



30 Sep 1982

## The Missouri Miner, September 30, 1982

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# MISSOURY MINER

For the students of UMR

Volume 71, Number 6

Thursday, Sept. 30, 1982

Twenty Pages

## Need based loans are "excellent programs"

By HERALEEN SPRENGER

Who can afford to borrow money these days? After all, interest rates are hung up around the 12 percent mark, aren't they?

For home builders and new car owners they might be, but thanks to the various types of student loans available, money for tuition, books, housing, transportation and even personal expenses can be obtained at much more affordable rates.

Such financial relief comes in the form of guaranteed student loans, short term loans, National Direct Student Loans and campus loans. All these are

administered at UMR by the financial aid office.

The campus loan is the only one of the four which isn't government funded. The money is provided by alumni, individuals, corporations, etc. There are around 10 different types of campus loans (e.g., alumni loan, Jacking loan). Interest rates range from 3-7 percent and repayment depends on the type of loan. Since qualification is based on need, applicants must fill out the ACT Family Financial Statement.

Another need-based loan is the National Direct Student Loan. It's interest free until six months after either

graduation or withdrawal. Then the rate is 5 percent.

The maximum offered by these two need-based loans is \$1,500 per year, according to Robert Whites, UMR financial aid director.

With interest rates of 3-6 percent, short-term loans must be repaid within 90 days. They are worth up to \$250 for fees and/or \$50 for personal expenses. There are no financial qualifications.

The guaranteed student loan program is the most popular, said Mr. Whites. These are worth up to \$2,500 per academic year and are repaid at 9 percent interest. The first payment is due six

months after the student graduates or drops out. The loans must be repaid within 10 years of that time.

Nearly 3,000 students are now receiving guaranteed student loans, up from about 2,100 last year, according to the director.

To receive such a loan, a student fills out federal and UMR loan applications and submits his family's income tax returns for the previous year. If the adjusted gross income was under \$30,000, the student is fully qualified.

If it is higher, the financial aid office decides how much he is eligible for. The papers

then pass through the hands of the university, a lending institution and the govern-

ment. In about seven to eight weeks, the money comes through.

The money and about 14 percent interest is actually repaid to the banks by the government.

"The banks aren't losing money," explained Mr. Whites. "It's usually not too hard to find a bank to process your loan. Most require you be a customer. Some also require parents' or spouse's cosignatures, but not generally."

Failure to repay these federal loans brings a collection agency onto the scene. The UMR

delinquency rate, however, is very small, about 3 percent, said Mr. Whites. A fine, up to \$10,000, can be imposed if a student is caught using

the money for other than educational expenses.

Though early summer is the most opportune time to apply for these loans, they are available year-round. All application forms can be obtained in the financial aid office.

"There has been an increase in this program since others have been cut," said Mr. Whites. "It's an excellent loan program. ... And in these days and times I feel these loans are being wisely used."

## Dept. of Eng. Mechanics to host, Society of Engineering Science

The Department of Engineering Mechanics of UMR will host the 19th Annual Meeting of the Society of Engineering Science on Oct. 27, 28 and 29, 1982. The Society, founded in 1963, is dedicated to the

advancement of interdisciplinary research and the establishment of bridges between Engineering and Science. The Society has over 400 members from all over the world. The focal point of the Society's activities is its annual meeting.

The technical program for this meeting consists of 48 technical sessions in which nearly 330 papers are scheduled for presentation. The conference is expected to attract over 300 people from 20 different countries including India, France, England, W. Germany, Israel, Saudi Arabia, Turkey, Mexico, Canada, New Zealand, Sweden, Italy, Brazil, Argentina, Nigeria, Egypt, Iraq, Venezuela, Singapore and the U.S.A. It will provide an excellent opportunity for some of our faculty and graduate

students to interact with their peers from other U.S. universities as well as other countries. The technical program also includes 3 general lectures. On Wednesday, Oct. 27, Professor J.L. Ericksen of the University of Minnesota will speak on "Some Phase Transitions in Solids." On Thursday, Oct. 28, Professor H. Grand of the Courant Institute will speak on "A Perspective on Magnetic Fusion Energy." The title of the third general lecture to be given Friday, Oct. 29 by Dr. Marvin Goldstein of the NASA Lewis Center is "Aeroacoustics - The Interaction of Sound and Flows."

Papers by leading researchers will be presented in the following areas: Continuum Thermodynamics, Oriented Media, Elasticity, Continuum Mechanics, Boundary Integral Methods, Finite Element Approximation, Geomechanics, Fracture Mechanics, Optimization, Dynamical System,

Nonlinear Differential Equations, Bioengineering, Composite Materials, Experimental Methods, Plasticity, Metal Forming, Lubrication in Metal Working, Turbulent Flows, Acoustics, Polymers and Non-Newtonian Fluids, Magnetohydrodynamics and Metallurgy.

The financial support to defray a part of the expenses of the conference has been provided by the U.S. Army Research Office and the Office of Naval Research. The U.S. National Science Foundation has provided travel grant to enable a few Indian Engineers-Scientists to participate in the conference.

The conference co-chairs are R.C. Batra, Professor of Engineering Mechanics and R.L. Davis, Dean of the School of Engineering and Professor of Engineering Mechanics. Any one interested in obtaining more information about the conference should contact R.C. Batra (341-4589), Charlotte Lewis (341-4581), Vicki Hudgins (341-4581), or Betty Morrison (341-4132).



## Kappa Delta's 10th anniversary

The Epsilon Alpha Chapter of Kappa Delta sorority announces, with great pleasure, its 10th year anniversary. The Epsilon Alpha Chapter was founded on Oct. 28, 1972, at UMR. Kappa Delta was the first

national Panhellenic sorority established on this campus. Kappa Delta is planning its reunion on Homecoming weekend and is expecting a great majority of its alumnae to attend. There are many activities planned for the reunion,

including a brunch, attending the Homecoming football game together and a banquet, later on in the evening. Congratulations to the Epsilon Alpha Chapter of Kappa Delta sorority on its 10th year anniversary!

SUB Concerts  
presents for  
Homecoming

# Michael Stanley Band

Friday Oct. 2 at 8 pm doors open at 7 Tickets: \$3 students, \$5 nonstudents

on sale  
9:30 - 2:30 thru Friday  
near hockey puck



# CALENDAR OF EVENTS

**Editor's Note:** If your organization is having a meeting, turn in details to the MINER office in the Rolla Building before Monday at 9 p.m. and we will list it in the Activities Section of the paper. No articles submitted will be printed unless written in complete sentences with proper grammar. No schedule or flyers will be rewritten and published by the staff for the Activities Section.

If your organization is sponsoring a campus-wide event for the benefit of charity, get us details before Monday at 9:00 p.m. We will advertise the event free of charge in this space.

The MINER reserves the right to edit any notices or ads for this page before publication.

## THURSDAY

### UMR FILM SERIES

UMR Film Series, "Atlantic City," with Burt Lancaster and Susan Sarandon, 7:30 p.m., Miles Auditorium, Mechanical Engineering Building. Season ticket or \$2.50 at the door.

### MSM CLIMBING CLUB

The MSM Climbing Club will meet at 6:30 p.m. Thursday, Sept. 30. Plans will be made for Johnson's Shut-Ins this weekend, and for Oklahoma next weekend. The new meeting room is 207, Norwood Hall. Everyone is welcome.

### CEA

The CEA (Co-op Association) will hold a meeting for all co-ops and other interested students Thursday, Sept. 30, at 7 p.m. in the Ozark Room. All are invited to attend.

### BOXING PRACTICE

Boxing practice for Lambda Chi Alpha's fourth annual "Night at the Fights" will be held from 7-9 p.m. Thursday, Sept. 30, and Tuesday, Oct. 5, in the Wrestling Room of the Multi-Purpose Building. Professional training is available; no experience is necessary. Anyone interested in boxing should contact Rusty Cooper or Brad Mason at 364-9901 or just come to practice.

### INTERCOLLEGIATE KNIGHTS

The Osage chapter of the Intercollegiate Knights invites anyone with a 2.5 GPA to attend our meeting at 7 p.m. Thursday, Sept. 30, in the Mark Twain Room for Formal Paging. Officers meeting at 6:30 p.m.

## Missouri Miner

The Missouri Miner is the official publication of the students of the University of Missouri at Rolla. It is published weekly at Rolla, Missouri. The Missouri Miner features activities of the student and faculty of UMR.

Editor-In-Chief	Rich Bee	364-9885
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Distribution	John Macke, Joe Dieters	

Subscriptions are available to the general readership at a rate of \$7 per semester. Articles and photos for publication in the Miner must be in by 9:00 p.m. on Monday before distribution on Thursday.

THE MISSOURI MINER  
303 Rolla Building  
University of Missouri-Rolla  
Rolla, MO 65401  
3414312

### UMR SCC

UMR Sports Car Club will hold a meeting Thursday, Sept. 30. All members are urged to attend. New members are welcome and memberships will be taken.

### UMR BOWLING CLUB

There will be a meeting of the UMR Bowling Club on Thursday, Sept. 30, at Colonial Lanes. Anyone interested in bowling for fun and competition is invited to attend. If you have any questions, or can't make the meeting but are interested, call Chris at 364-8968.

### M-CLUB

There will be a meeting Thursday, Sept. 30, at 7 p.m. in 114 C.E. Final work on Homecoming to be discussed. We need help, so all members should attend!

### HKN

HKN will hold a meeting Thursday, Sept. 30, at 8 p.m. in Room 105 E.E. Candidates will be voted on.

### UMR TARGET PISTOL CLUB

The UMR Target Pistol Club will meet Thursday, Sept. 30, from 6:30-8:30 p.m. The meeting will be held at the UMR Rifle Range, in the basement of the Military Science Building T2. Pistols and targets are provided by the club and ammunition may be purchased at the meeting. New members are always welcome!

### UMR PHOTO CLUB

The Photo Club will have a meeting Thursday, Sept. 30, at 7:30 p.m. in the Meramec Room, University Center-East. The topic will be film developing. New members are welcome!

### VARSITY SOFTBALL

Any women interested in varsity softball: There will be a meeting today, Sept. 30, at 4:30 p.m. in the Multi-Purpose Building classroom. Anyone interested but unable to attend, please contact Coach Preston at 341-4175.



## FRIDAY

### GREEN-GRAY GAME

On Friday, Oct. 1, at 3:30 p.m. on the Fraternity Row Field, the St. Pat's Board and the IFC will clash in the annual Green-Gray Classic Football Game. Free refreshments will be available for all spectators.

## SATURDAY

### GDI

GDI will have a Homecoming Party on Saturday, Oct. 2, at 8 p.m. at Tech Engine Club. UMR ID or GDI ID required for admission. All are welcome to help us celebrate Homecoming, so come enjoy!!!

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Held Over  
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**RITZ**  
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**HENRY WINKLER**

**NIGHT SHIFT**

Starts Friday  
Evenings 7 & 9:10

Adult Owl Show  
Fri. & Sat. 11:20 p.m.  
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**"American Pie"**  
No one under 18 years

An Event for the Entire Family!

## 4th Annual FORUM PLAZA FUN RUN!

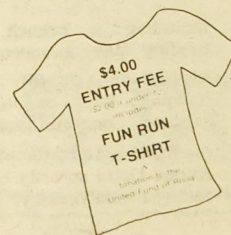
SATURDAY, OCTOBER 9th

6.2 MILE RUN

3.1 MILE RUN

A 6.2 Mile Fun Run — Starts at the Forum Plaza. 10 a.m.

A 3.1 Mile Fun Run — Starts at the Forum Plaza. 11 a.m.



Proceeds donated to the  
**UNITED FUND OF ROLLA**

### REGISTRATION

Register at any Forum Plaza Store before 6 P.M. Friday, October 8th. Course-map, race rules & instructions available upon registration.

### AWARDS

**6.2 MILE RUN**  
Top 10 Men Runners  
Top 10 Women Runners

**3.1 MILE RUN**  
Top 10 Men Runners  
Top 10 Women Runners  
Oldest & Youngest Fun Runners

**mazda**  
*Sakes Alive!*



**New 1983 B200 Sundowner**

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5-Speed overdrive  
•Steel radials •Tinted glass •Seats 3 adults  
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**Student Financing Available**

Allows you to buy that new Mazda now with full payments deferred. Subject to approved credit and job acceptance.

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**Hwy. 63 S.**  
**Rolla, MO**



## Missouri Industry Day,

# Companies came to "attract students"

By JENNIFER BARTON

Approximately 60 industries were represented in the 15th annual Missouri Industry Day, held Tuesday, Sept. 21, from 10 a.m.-4 p.m. in the UMR Multi-Purpose Building.

were on hand to discuss with students the services rendered by their organization.

The primary purpose of companies' participation in Missouri Industry Day is recruitment: making a contact with UMR students.

Vickie Thomas, representative from United

Telephone Co., stated that Missouri Industry Day was "a good way to get our (the company) name in the pot.

We can also let the students know what kind of job offers are coming up and what's open at the time."

Staff Sgt. Dennis Henry, of the Air Force, said, "Last

year we had four people join the Air Force after making their first contact here. I expect to have that many or more from this year.

"We come to Rolla for this event because it is the best place in the state to find engineers."

Staff Sgt. Henry commented that, "This is my

third year as the Air Force representative here. I've had more people stop and talk to me this year than last. In that aspect it's successful."

DuPont makes an annual visit to UMR's Missouri Industry Day. Their representative stated that her purpose was "to meet

students, mainly those graduating, and see what opportunities they're looking for."

"We want to show them that DuPont is interested in people. It really helps if the students have made contact with us here when they're scheduling interviews," she stated.



## Congress overrides veto

SOURCE: CPS

WASHINGTON, D.C. — Congress' override of President Reagan's veto of a "budget busting" appropriations bill will add

some \$217 million to two student aid programs this year.

The Pell Grant program will have an additional \$140 million to distribute to students, and the Sup-

plemental Educational Opportunity Grant program will get an extra \$77 million.

see Veto  
page 4

## The Acceptance

We the campus leaders on the Interfraternity Council fearlessly accept the challenge from the putrid professionals of prolonged academic probation, i.e., the St. Pat's Board. We realize the text of this acceptance may be difficult to comprehend for our anti-academic adversaries. However, we write this to the average UMR student in hope that he or she will read it and translate the jist of its contents to the 12-ounce kings with the 1-ounce minds.

The Gladiators in Gray, who have never been accused of spreading human excrement on their jackets, will totally humiliate the greem slime in front of thousands of our admirers and a handful of your mangy board rep groupees, i.e.,

your girlfriends.

We will beat you from the opening kickoff until the final gun and when the dust finally settles, the Green Goons will be just a wet spot on the turf.

If you Green Dukes of Puke, with pharmaceutically augmented minds and alcoholic altered bodies think that you're any match for collegiate leaders of our stature, then we feel obligated to make information available to you concerning the group rates available at drug rehabilitation centers in the area.

Accept your challenge ... We will.  
The St. Pat's Board ... We'll kill.  
So go ahead and show up, We Dare You!

LOWEST RATES ANYWHERE!  
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CALL TODAY 364-5268

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  - Restaurant is Open Tuesday thru Sunday
- Restaurant Lounge  
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## News briefs

### Red Cross Lifesaving

SOURCE: OPI

Red Cross courses in "Basic Rescue and Water Safety" and "Advanced Lifesaving" will be offered at UMR beginning Oct. 8.

The basic course will teach skills for saving one's own life in an emergency, the correct response to various aquatic emergencies and how to assist lifeguards in search-and-rescue procedures.

The advanced course will teach skills to save one's own life and the lives of others in an emergency. Successful completion of this course is a requirement for serving as a lifeguard.

Both courses will begin at 7 p.m. Oct. 8 in Room G26 of the Gale Bullman Multi-Purpose Building. Both courses will meet for instruction from 8 a.m.-noon and 1-4 p.m. on Saturday and Sunday, Oct. 9-10. The advanced course continues with the same schedule on Saturday and Sunday, Oct.

16-17.

Course director is Dr. Harry Weart, chairman of the UMR metallurgical and nuclear engineering department. Course fees, including textbook, are \$2 (basic) and \$4 (advanced).

Interested persons may sign up at the Phelps County Red Cross office in the basement of the Rolla Police Department Building, 204 E. Eighth St., Rolla, phone (314) 364-3947.

### Phi Kap's barbecue

Submitted By  
PHI KAPPA THETA

Sunday, Oct. 17 marks the date for the Fall Barbecue 1982 — Phi Kappa Theta's second annual benefit barbecue for the American Cancer Society.

This year's festival will be held at Lions Club Park from noon to 7 p.m. and will include country-western entertainment by "Nuthin' Fancy" and pop-rock music by the "Upbeats," both popular local bands. Chicken dinners including barbecued

chicken, coleslaw, baked beans and soda will be served for \$2.75 or for \$2.50 in advance. There'll be plenty of your favorite beverage on hand, also.

Tickets will be available Monday through Saturday, Oct. 11 through 15, at the Hockey Puck, Sunny Wall Flowers, Powell Lumber, Godfather's Pizza and Jerry's Beverage Mart, or from any member of Phi Kappa Theta by calling 364-9792 or 364-9769.

The brothers of Phi Kappa Theta and the American Cancer Society invite you to relax to some good food and good music while you help a worthy charity at the same time.

### ISC Soccer Tournament

The International Students Club (ISC) At UMR announces its first double elimination soccer tournament to commence on

cont. page 4

## UMR HOMECOMING FLOWERS

Corsages . . . . . \$3-\$15

Football Centerpiece \$10-\$25

Football Mum . . . . . \$4.50  
(Fancy & Lettered)

*sunny wall* FLOWERS 1107 Pine Rolla



# CALENDAR OF EVENTS

## MONDAY

### VARSITY GOLF

Anyone interested in playing varsity golf should meet in the UMR Pro Shop at 4:30 p.m. Monday, Oct. 4. Bring your clubs and be ready to play.

## TUESDAY

### SAE

The Society of Automotive Engineers will hold its second meeting Oct. 5 in the ME auditorium (ME 104). The guest speaker is Dave Sauer from DuPont, speaking on new materials for automotive applications. Everybody is welcome; refreshments will be served. New memberships will be taken.

### WOMEN AT WORK SERIES

Women at Work series, "Education in the '80s: A Look at Public Schools, Schools in the Home, and Parochial Schools," Ann Barefield, public school teacher and administrator; Lois Warnholz, parochial school teacher, and Carol Meyers Brown, alternative school teacher, speakers. You are invited to bring your lunch. \$3 for the series.

### SWE

The Society of Women Engineers will have a meeting Tuesday, Oct. 5, at 6:15 p.m. in Room 117 of the Civil Engineering Building. A representative from the Air Force ROTC program will speak. Memberships will be taken, and refreshments will be served.

### TAU BETA PI

Tau Beta Pi will hold a general meeting Tuesday, Oct. 5, at 7 p.m. in Room G-5 H-SS.

## WEDNESDAY

### ROLLAMO

Please notify the student body that they will be presented with one additional chance to pick up their 1982 ROLLAMO on the date of Oct. 6. They will be available in the basement of the Rolla Building from 11:30 a.m.-3:30 p.m.

### A.S.M.E.

The American Society of Mechanical Engineers will hold a meeting Wednesday, Oct. 6, at 7 p.m. There will be a film entitled "Energy Experience" shown and all members are urged to attend. Memberships will be taken, and refreshments will be served.

## NODAY

### A.P.O. DANCE-A-THON

Alpha Phi Omega will be holding its 6th annual Dance-a-Thon for Muscular Dystrophy. If you are interested in dancing, sponsoring a dancer, or just want to find out what it is all about, contact President Buck or John Werner at 364-6294. Applications for dancers are at the Candy Counter.

## Veto from page 3

President Reagan originally vetoed the appropriations bill — which totaled \$14.2 billion for a variety of programs, including student aid — because it spent too much on social programs, too little on defense programs, and would be a "budget busting" measure, he said in his veto message.

But Congress, in handling the president one of his legislative defeats since assuming office, overrode the veto Sept. 10.

Even with the additional funds, the total federal student aid budget for fiscal year 1982 is some 8 percent lower than the 1981 fiscal year budget.

## News briefs, cont.

Saturday, Oct. 9, on the soccer fields at the Multi-Purpose Building. Game times are not yet finalized, but will be on Saturdays between 10:30 a.m. and 3:30 p.m. All interested individuals, faculty, foreign student associations, independents and the like are invited to apply now. There is no application fee. Interested parties should contact Jeff Joseph at 341-2529; come to G-5, H-SS, at 6 p.m. Thursday, Sept. 30, or show up at the soccer field on Friday, Oct. 1, at 6 p.m. Applications deadline is Saturday, Oct. 2. This is a friendly competition, and a trophy will be presented by the ISC to the winner. Watch for further details in the Miner.

### Thank You

The men of Alpha Phi Alpha-Epsilon Psi would like to thank the students, faculty and friends of UMR who participated in our 1982 "Grand Book Give-A-Way." For those of you who are not familiar with this, in the

spring of every school year the men of Alpha Phi Alpha WILL SPONSOR a grand book give-a-way, in which we award three cash prizes for the purpose of aiding students in buying books for the following fall school term.

Now we would like to formally congratulate and announce our 1982 winners. First prize of \$100 was awarded to Jeff Schauer who lives at 1909 N. Pine, Apt. 21. Second prize of \$50

was awarded to Dan Wyk who lives at T.J. Hall. Leaving third prize of \$25 to David Bell who lives at Sigma Tau Gamma fraternity. Finally we would like to thank Cathy Lally of Zeta Tau Alpha and president of Student Council who did the drawing which was held on the second day of September, 1982 at the Alpha Phi Alpha fraternity house, Highway 63 and Elm Street.

## Tutorial Services

The Minority and Women Engineering Program invite you to use its tutorial services. These service are offered to all students free of charge.

302 Rolla Building

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Johnny Daniels Physics, Math 302 Rolla Building	8:30 a.m. to 10:30 a.m.	6:00 p.m. to 9:00 p.m.	8:30 a.m. to 11:30 a.m.		8:30 a.m. to 10:30 a.m.
Craig Gray Electrical Engineering 61, 63, 281, 265 302 Rolla Building	10:00 a.m. to 12:00 noon	7:00 p.m. to 9:00 p.m.	10:00 a.m. to 12:00 noon		10:00 a.m. to 12:00 noon
Denise Rost Mathematics 302 Rolla Building	2:30 p.m. to 4:30 p.m.	8:00 a.m. to 10:30 a.m.	2:30 p.m. to 4:30 p.m.	9:30 a.m. to 11:30 a.m.	1:30 p.m. to 3:00 p.m.
David Hendricks EM 50, EM 150, Math 302 Rolla Building	2:30 p.m. to 4:30 p.m.	1:30 p.m. to 3:30 p.m.	2:30 p.m. to 4:30 p.m.	1:30 p.m. to 3:30 p.m.	11:30 p.m. to 1:20 p.m.
Dale Abrahams Chemistry 1, 3 Chem Eng 20, 27, 141, 143, 253 302 Rolla Building	1:30 p.m. to 4:30 p.m.		1:30 p.m. to 4:30 p.m.	4:30 p.m. to 6:30 p.m.	
Chandrashekhhar Bapat EM 50, 110 & 150 Math 302 Rolla Building	10:30 a.m. to 11:20 a.m.	6:00 p.m. to 8:00 p.m.	3:30 p.m. to 5:20 p.m.	2:30 p.m. to 4:20 p.m. 6:00 p.m. to 8:00 p.m.	
Scott Zike ComSci 73, 168, 83, 183, 163, 218 302 Rolla Building		3:30 p.m. to 5:30 p.m.		3:30 p.m. to 5:30 p.m.	
Larry Beck English 1 & 60 Economics 110 & 111 302 Rolla Building	2:30 p.m. to 4:30 p.m.			9:30 a.m. to 11:30 a.m.	
Chemistry Society 127 Chem Eng		7:00 p.m. to 9:00 p.m.		7:00 p.m. to 9:00 p.m.	
KME Math Help Sessions Room 209 Math/CS	6:30 p.m. to 8:00 p.m.			6:30 p.m. to 8:00 p.m.	

NOTE: Students needing tutorial services in courses not listed above should contact Floyd, Synthia or Russell at the Minority Engineering Program Office. For evening tutoring, please use the west door of the Rolla Building.

## ROME PIZZA

1806 N. Bishop Rolla  
Open 7 Days 11:00 a.m.-2:00 a.m.  
Now Available

5% SUNDAY BEER  
& 6-Packs To Go

Fast Carry Out Service Free Delivery 364-0977

## The French Room

211 E. 8th Street

To introduce the UMR students  
to our staff,  
we are offering a

HAIR CUT SPECIAL

\$5.00 with I.D.

Call 364-4282

For Appointment

## AEROBIC DANCE CLASS

Magic Lantern Skate Center

1000 Hwy. 72 East Rolla, MO 364-3202

Tues. & Thurs. Mornings 10:00-11:00 a.m.

Tues. & Thurs. Evenings 5:30-6:30 p.m.

\$15.00 per month

2 classes per week

Classes Begin Oct. 5-Oct. 28

FREE BABYSITTING

Call 364-3202 or 364-4209

for more information.



# Associateships awarded

The National Research Council announces its 1983 Research Associateship Awards Programs for research in the sciences and

engineering to be conducted in 18 federal research institutions at laboratories located throughout the United States. The programs provide Ph.D. scientists and engineers of unusual promise and ability with opportunities for research on problems largely of their own choosing, yet compatible with the research

interest of the supporting laboratory. Initiated in 1954, the Associateship Programs have contributed to the

career development of more than 3,500 scientists ranging from recent Ph.D. recipients to distinguished senior scientists.

Approximately 250 new full-time associateships will be awarded on a competitive basis in 1983 for research in chemistry, engineering, and mathematics, and in the earth, environmental, physical, space, and life sciences. Most of the programs are open to both U.S. and non-U.S. nationals, and to both recent Ph.D. degree holders and senior investigators.

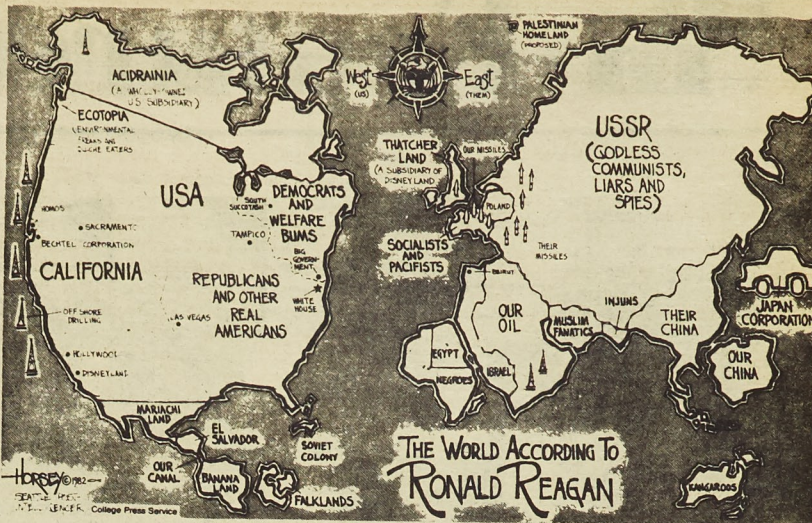
Awards are made in most programs for a year with possible extensions through a second year. Senior applicants who have held the doctorate at least five years may request shorter tenures. In a few programs, initial awards are made for two years with a possible third year of contractual support at an academic institution.

Stipends range from \$23,500 a year for recent Ph.D.s to a maximum of \$50,000 a year for senior

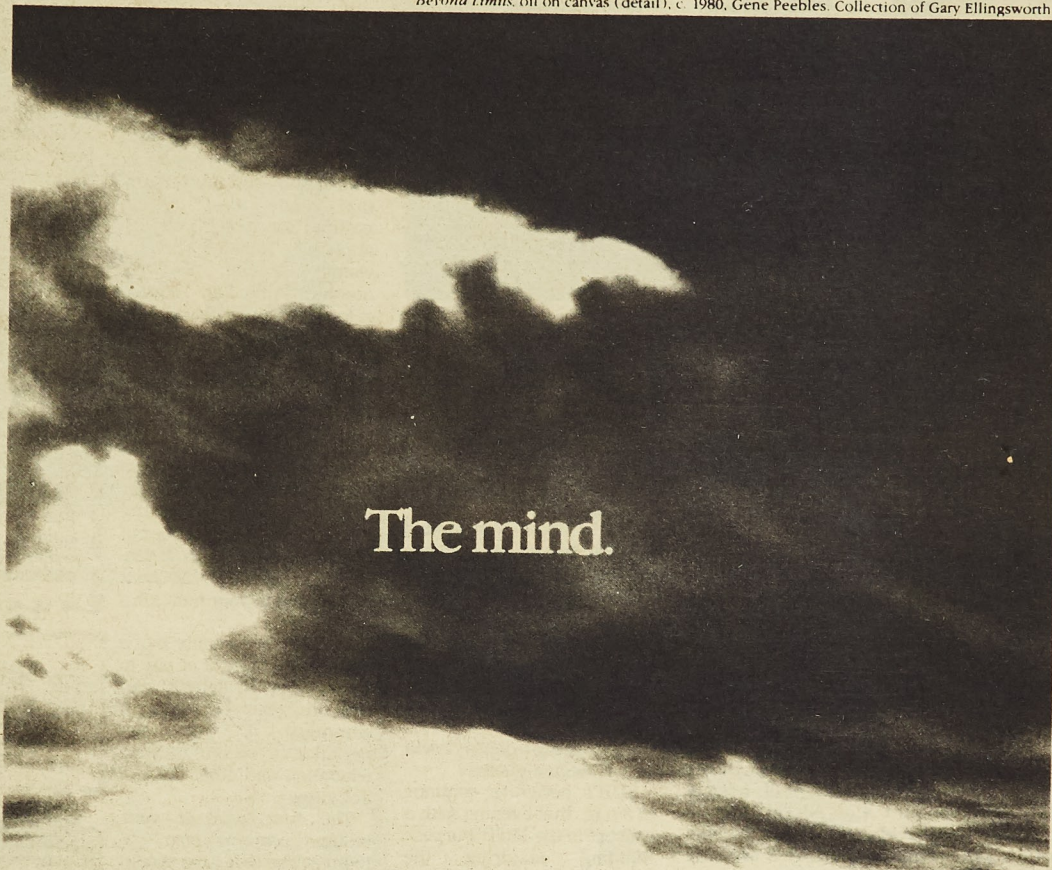
associates. A stipend supplement up to \$5,000 may be available to awardees holding recognized doctoral degrees in engineering, computer science, or certain areas of earth geological sciences. Allowances are made for relocation and for limited professional travel. The host federal laboratory provides the associate with programmatic assistance including facilities, support services, and necessary equipment.

Applications to the Research Council for current programs must be postmarked no later than Jan. 15, 1983. Awards will be announced in April.

Information on specific research opportunities and federal laboratories, as well as application materials, may be obtained from Associateship Programs, JH 610-D1, National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C. 20418, (202) 334-2760.



Beyond Limits, oil on canvas (detail), c. 1980, Gene Peebles. Collection of Gary Ellingsworth.



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Looks like a few CE's are out looking for a job. Think they'll find one?

SUB brings you

## Homecoming '82

By SUSANNE ORRELL

The Student Union Board is proud to bring you Homecoming 1982. Mike Lally, SUB's special events director, is in charge of this year's gala affair.

The results of all the planning done by the Special Events Committee began to show earlier this month with the nominations of Homecoming queen candidates and judges. Fraternities, sororities and other living units nominated UMR coeds as their candidates. Judges and queen candidates got a chance to meet each other prior to interviews at a Queens' Tea at Kappa Sigma. From this preliminary meeting, the queen candidates were interviewed by the judges last Saturday. From those interviews, campuswide voting on all candidates

commenced on Tuesday. Voting was conducted by members of the Special Events Committee in front of the Hockey Puck. After campus voting is completed on Thursday, votes are tabulated and the weekend begins.

Friday evening's events begin with the Student Union Board Homecoming Dance in Centennial Hall from 9 p.m.-1 a.m. Nickels will be providing the music for this semi-formal dance which is open to all students, faculty and alumni. During the dance, all the queen candidates will be introduced and the top 10 semifinalists will be announced. After these introductions, the four finalists will be announced.

SUB's festivities continue on Saturday after the IFC pajama race and prior to the football game, the top 10 semi-finalists will be in-

troduced and driven around the field in cars. At halftime the big moment arrives: the crowning of the Homecoming queen. After the announcement of the first, second and third runners-up, Chancellor Joseph Marchello and Laura Plyler, UMR's 1981 Homecoming queen, will crown the new queen.

SUB's activities continue at 8 p.m. that evening with a concert in the Multi-Purpose Building featuring the Michael Stanley Band. Tickets for the concert are \$2 per person with a limit of two per student. ID tickets will be on sale until Friday, Oct. 1, in the University Center. On Saturday, Oct. 2, tickets will be sold from 7-8 p.m.

The UMR Student Union Board hopes all students, faculty and alumni will participate and enjoy Homecoming 1982.

## St. Pat's Facts

### ST. PAT'S FACTS

Tomorrow at 3:30 p.m. on the Fraternity Row Field, the St. Pat's Board will take on the IFC in the annual Green-Gray Football Classic. Free refreshments will be available for all spectators. This will be a great way to kick off an exciting Homecoming

weekend, so come on out and join in the festivities.

The St. Pat's Board is trying to locate all the past Queens of Love and Beauty. Anyone with information pertaining to past queens, please contact Greg Monroig at 364-0508.

### 1983 ST. PAT'S GREEN PRICES

Sweatshirts	\$8.50
Baseball Hats	3.50
Visors	3.25
Goblets	3.00
Tumblers	2.00
Shot Glasses	1.50
Huggers	3.00
Pitchers	6.50
Buttons	.50
Garters	1.00
Derbys	3.00
Stocking Caps	3.50

## On the job.....

By BARB THOMAS

Always important in the procurement of a good job is the resume. A resume is a document that describes your abilities and past experiences.

A resume should be a concise listing of your most impressive and pertinent experiences as they relate to your specific objective. Since the average resume is only glanced at for a few seconds you should try to select only the most important information to put in it. Try to make it seem as though the next obvious step for you is the position you now seek. The information in your resume should be items that relate most to the position for which you are applying. Hobbies, height, weight, Social Security number, marital status, references and a photograph are not necessary for a good resume. Leaving a few questions unanswered is always a good idea. These questions may supply the motivation the employer needs to call you and discuss your resume with you or even to ask you for an interview. The sole purpose of a resume is to gain an interview which is the next major step in your hunt for a job.

The resume usually has a standard structure of one to two pages in length and contains your objective, a summary of your experience, a record of your education and other related activities.

The first part of your resume contains your objective. The objective should be one or two sentences that are a concise statement of what you want to do. It should give anyone reading it a general idea of the direction you wish your career to take and your major interests. One method for writing your objective is to indicate the major field you are considering or general job category and

then list your specific job title preferences.

Next on your resume is your experience. This information is probably the most important on the resume. This section of your resume should first state what you are presently doing and then tell of any jobs you have held in the past. Your past jobs should include three to four of the most relevant positions you've held. The following questions can help you choose your most relevant positions.

—How similar is the position or specific responsibilities to the one being sought? You should always emphasize any similarities between past experiences and a potential job.

—How long did you spend in that position?

—How recent was the experience?

The third part of your resume contains a record of your education. As a college student, this record should

contain the classes from your last three semesters and the grades you received in them. Also included in this record should be the courses in which you are now enrolled. Also, if any of your earlier courses seem especially important, such as those courses pertaining to your major, they might also be included. A record of all of your courses need not be sent unless they specifically request a transcript.

Finally, any other related activities should be placed at the end of your resume. Such activities include any professional organizations, committees, volunteer activities and special projects which relate to the position you are seeking.

A neat resume also has its effect on a possible employer. Typing them up yourself is always good and, if you really want a nice-looking resume, going to a professional printing company is an ideal solution.

### MARKETING COORDINATORS NEEDED:

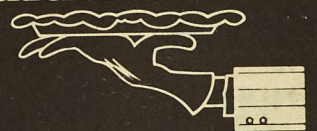
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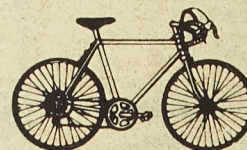
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# The migrants

By MIKE STRODER

Last week, our intrepid heroes, the migrant engineers (Bob and Mike) were heading back to Rolla from the Silicon Valley to accept jobs with UMR Auxiliary Services. We pick up our story in a desolate section of New Mexico. While Mike makes a futile attempt to find firewood, Bob snoozes away at camp. He is suddenly awakened by Mike's dramatic entrance into camp, complete with whooping and hollering.

"ZZZZZZZZZZ. ... Just four of you? You'd better go back and get some more women if ... Huh?? What??"

"Bob, wake up! This is great!"

"It better be! Do you realize what you interrupted?"

"Whatever it was, it can wait."

"Wait!!! There were four of them ... they were so good looking. ..."

"Listen, Bob! I got us jobs!"

"So soft ... so talented! I never saw a girl who could. ... You what?"

"I got us jobs."  
"Great! Who are we working for?"

"Well, I answered an ad in this paper I found for engineering consultants. It seems that this poor fellow's independent projects are always going awry."

"But what's the name?"  
"I forgot! But I've got one of his business cards in my wallet. ... Ah, here it is. W.E. Coyote, genius by trade."

Bob moaned in dismay. "You moron! Don't you know who that is? Doesn't that name ring any bells?"

Mike contemplated a moment. Suddenly it all fell together. "Not THE W.E. Coyote?"

"Probably so."

"Well, that would explain why our first project is a new catapult system design."

"Mike, we can't take this job! Don't you know that the fundamental laws of physics

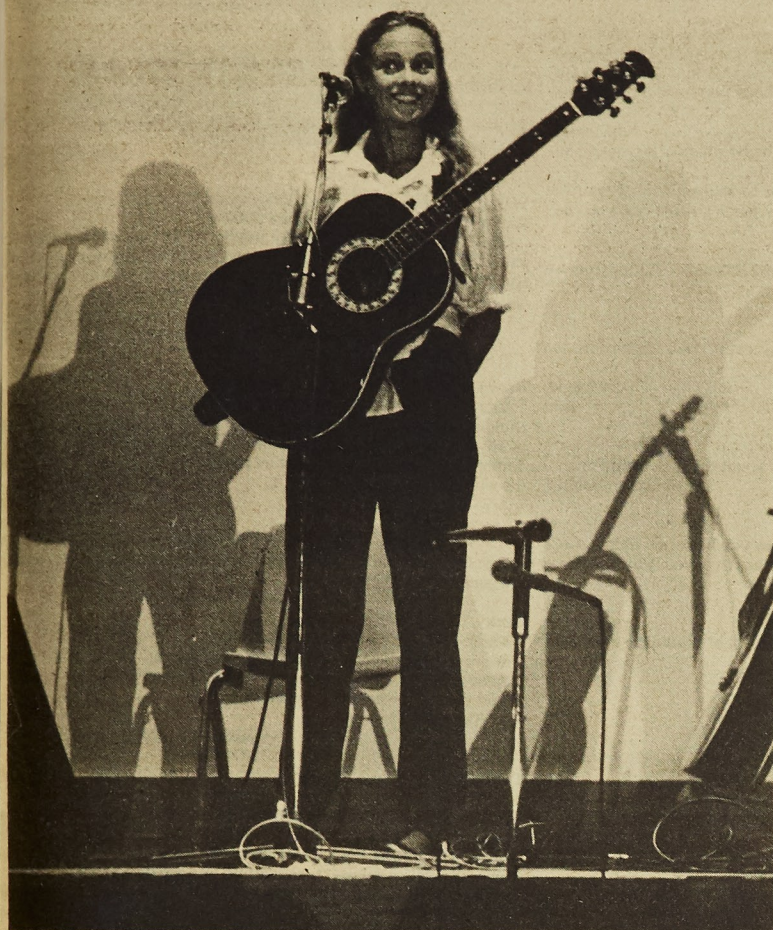
are not strictly obeyed in this section of New Mexico? Entire cliffs crumble, yet a portion can just hang in midair! Matter, usually freight trains, suddenly appears out of imaginary tunnels painted on rock walls! Neither mass nor energy is always conserved! You want to try developing new theories to explain this phenomena? The Theory of Roadrunner Relativity, perhaps?"

"OK, you've got a point. But what do I tell Wile E.?"

"Tell him it's hopeless. It's probably for the better. Vegetarians live longer, anyway."

"Desert vegetarians? Saguaro cactus isn't very tasty, you know."

"Oh well, that's his problem. Let's get back to Rolla. The bookstore must have expanded halfway to St. James by now."



(Photo by Stanfield)

Smiling Helen Hudson performed last Friday night in Centennial Hall on the UMR campus, and charmed the audience with her unique music.

Big schools get higher

## Admission scores

IOWA CITY, Iowa (CPS) — Students who attended larger high schools and took more basic math, science and English courses got higher scores on their college entrance exams, a recent University of Iowa study shows.

The study showed that average ACT (American College Testing Assessment) scores rose in direct relation to the size of the student's graduating class.

"Basically, we found that size does make a difference," says George Chambers, Iowa Humanities Department chairman and the study's supervisor.

"But we see it as being more a function of the diversified curriculum that larger schools offer, not necessarily the quality of the teaching," he adds.

"Test scores," he found, "increase in direct proportion to the number of courses they take in traditional academic subjects such as math and science."

College admission test scores nationwide improved slightly last year. Average

ACT scores for last year's freshman class rose for the second consecutive year, and SAT (Scholastic Aptitude Test) scores held steady for the first time in 17 years.

Department of Education Secretary Terrel Bell, in his annual Back to School Report issued last week, saw the score changes as a beginning of an upward trend, attributing it to the setting of "rigorous standards for promotion and graduation" at the primary and secondary school levels.

Since the decline began, observers have tried to explain scores as functions of everything from income levels of the student to federal financial aid funding.

Chamber's Iowa study implicates school size in score averages, but Chambers' "guess is that size makes a difference only because the breadth of the curriculum is wider at larger schools."

"I do think the study results clearly indicate that students who decide to go on to college should be coun-

seled into taking more basic, traditional courses."

But a recent Northern Illinois University survey shows a majority of high school students "don't see their guidance counselors as serving any useful function," summarizes Russell J. Watson, who conducted the study for his dissertation.

The 6,000 students he surveyed generally felt their high school counselors were lax in giving them advice that would help them in their college and career plans, the survey says.

Even attending a larger high school, despite its more extensive curriculum, can have its disadvantages.

"You have 1,300 or 1,400 kids in a school, and they have to have a generic way of processing all of them no matter who you are or what you do," one student commented on the survey. "They don't push you to excel. They don't push you to do poorly. But just stay normal. Take your normal classes. Go to a normal college. Nothing less, nothing more."

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# Classifieds Classifieds Classifieds Cla

Classifieds are offered free of charge as a service and source of entertainment to the readers.

•The MINER will not print the combination of first and last names.

•The MINER will print phone numbers only in business-related ads.

The MISSOURI MINER reserves the right to edit or to refuse publication of any classifieds that its staff finds offensive or libelous.

Classifieds should be submitted by 9 p.m. the Monday before the issue in which it is to appear.

FOR SALE: Washer and dryer, \$70 for both. Call 364-5048.

FOR SALE: Weights of York Olympic quality. Other accessories also available. For more information contact the UMR Athletic Dept. call 364-0940. Ask for Merle.

FOR SALE: 1972 Maverick, 3 speed, must sell, 364-0318.

WANTED: Someone experienced in patching damaged ceilings. Call Ken Ludwig at 364-6778.

Dr. Van Doren, EE 265,

How about showing us how to do the problems before the quizzes!

Notice to all fun loving, Greek-oriented girls on campus,

A new sorority is about to be formed on campus. All ethnic groups are welcome, even Asians. The name will be Rho Omicron Chi. If you are interested, call Suzi S., 364-1722.

The Women of POX

Interested in representing International Students Club in the intramurals? Contact Murat, 341-4660 (office), 364-0815 (home), or Kamran, 364-8535 (home), for table tennis, volleyball, basketball and swimming. Contact Jeff, 341-6760 (office), 341-2529 (home), for soccer.

Ernie,

Six wise men from a distant town,  
Will give you a clue to where it can be found,  
The town is North and South and is the village of the tree,  
Seek out these men to find the next key.

Signed,

People United to Save Seat Belts

To Whoever Made Our Sign,  
Thanks, we LOVE it.

The Phi Kappa Theta Little Sister Annex

To Last Week's Horny Algebra Student,

If you think quadratic formulas are appealing, just wait until Math 21 integrals!

Swany,

How we love ya  
How we love ya  
Our dear old  
Swany

Love,

K., K., K., H. and D.

P.S. We love you too, Alf.

P.P.S. Thanks for the dinner and the bottle.

Dear Angels,

Thanks for the great orgy we had last weekend, You finally got your wish, to totally have control of my body. It was great getting a head start for the new week. Remember, my bathtub is always open. I can't wait for more.

Love,  
Rosey

Janet and Sheila,

You too goos are in big trouble now. Just wait till I get some cooking lessons and get mean and vicious. I'm gonna trash your rooms with chocolate chip cookies. Oh yeah Sheila, I almost forgot: M.H. says, "Hi."

Little Blister

Jackie,

I enjoyed dancing with you Saturday night.

The Doctor

Hose Queen #2,

Happy birthday, and I'd like to warn you of the ill effects of eating too many hot dogs at one sitting.

Hoser

Dear C.Q. and the Bear,

Thanks for inviting us to such a totally awesome Room 17 party. You know we had fun. Next time it'll be till 6. Go for the record, for sure! "We got the beat."

B & P

P.S. How 'bout rescheduling the water fight, you guys?

NASTY'S LEG(AL)!! Watch out, world.

Hey J.W.,

Do you always share like that?

NEED A USED CAR? Talk to Sobo to see how to get one free.

We would like to extend our best wishes and congratulations to the new Little Sigmas of Sigma Chi Mu: Nancy, Carolyn, Linda, Marlana, Kathy, Cheri, Charlene, Jackie, Laura, Jennine and Sandy. We are very happy to have you with us and we hope you have a fun and enjoyable semester!

Sincerely,

The Brothers of Sigma Chi Mu

The men of Sigma Chi Mu would like to thank the sisters of Chi Omega for their cooperation in our "Jim Jones Drink Until You Die" Party. Let's do it again!

There is a T.G.I.F. at Sigma Chi Mu, 1208 R Oak St., Friday from 2-6 p.m. Refreshments will be served.

Natalie,

Hope you have the happiest birthday ever! Don't celebrate too much.

Your friend,  
Tom

Linda,

Looking forward to meeting you. Sorry about the G.B. comments.

The Clowns in Room O

Preppies Beware!

Al I. Gator is back! He is here to harass you back into hiding. Let's face it ... the guys at the zoo have more class than you. You have been warned. ...

Signed,

Al I. Gator

President of "Nuke the Preppies"

Dianne V.,

Hi again, it's Boop!

I'm just wanting to know,  
Why not come over the loop?  
Which way dost thou wind blow?

Twice now on one of the four days,  
Your face I have not seen,  
Oh! Of me it quite dismays;  
The absence of a queen.

Another hunt if you don't know,  
Some places here to look:  
Underneath a bright rainbow,  
Or pages 50-60 Blue Key Address Book.

Boop De Button

The Partiers of Beta Sigma Psi:

Thanks so much for the tasty watermelons; the kick in them added a kick to our party.

Love,

The Party Animals Inc.

Pete,

Just a note to say thanks for the good times. Let's keep them rolling.

We Love Ya,

J. & W.

To D. and D. of SN,

A little kindness goes a long way. Thanx for the "note" that says you care. My best to everyone else, too. I gotta love ya.

W.

To Tom P.,

The Richard Simmons of Rolla: I like your hairstyle. It's just supra swell!

Ta Ta,

Don Ho-Ho-Ho

Paige,

Thanks for being a friend! Happy birthday!

Your GAD Crew Chief

Tittel,

Happy 22nd birthday! Hope it's a terrific one.

Fellow Zoom Player

To the Little Sisters of the Gold Rose,

Thank you very much for the fine work you did on our trophy case.

The Men of Beta Sigma Psi

Hey Ken T., the Sigma Pi Pledge,

Do you have any idea who I am yet? Here's another clue: Red is beautiful.

YES

On behalf of the International Cabron Society, I would like to commend the efforts of NAAMWE, Beta Sig and the St. Pat's Board. In the formation of NAAMWE here at UMR and with their activities in conjunction with Beta Sig and the St. Pat's Board, they demonstrate the true spirit of Cabrones all over the world.

Pinchegabachos

YOU FOUND IT!!!!

To those Fabulous Girls from Fort Collins,

Hope you had a really superly wonderful far out cosmic birthday party! Wish I was there (!!!!!!!), but now you have to go back and study wildlife some more! (And you know I'm not talking about classes.)

Hugs and kisses,  
Greg

P.S. Here's to Christmas!

Dear Dead Meat,

You stole my brown wallet Friday 9/24 in the Multi-Purpose Building. I suggest you turn it in to the Campus Police. From looking in my wallet, you know I'm a black belt. If you want a personal demonstration of my karate just let me know your name. If you tossed the wallet, tell me where to find it.

You know my name  
Tell me yours  
Box 519 RHA

P.S. My friend thinks he saw you. When we put a name to your face it's gonna be Dead Meat.

Becky, Cathy, Debi and Joan,

There once were four girls from Zeta.

Some organizations thought they were great-a.

So now they're up for queens,

And you know what that means,

ROTSA RUCK!!

The Almost Ready for Prime Time Poets.

To the person who stole my board jacket from Bruno's last Wednesday night,

I have a pretty good idea who you are. There weren't that many people in Bruno's that night. I will give you until the end of this weekend to return my jacket, unharmed, to the Pike house or to University Police before I take matters into my own hands.

As an added incentive to the thief, I am offering a \$50 reward for information leading to the return of my jacket and the identity of the thief. Call Greg at 341-2317; I will keep your name confidential.

Believe me buddy, more people know about this than you think and it's just a matter of time till I find you.

Attention Potential Boxers:

Have you ever wondered what it would be like to fight in a professional boxing ring? Well, here's your chance! Lambda Chi Alpha is once again sponsoring its Amateur Boxing Tournament. If you would like to try your hand at boxing, come to practice on Tuesday or Thursday nights from 7-9 p.m. in the Wrestling Room of the Multi-Purpose Building, or contact any member of Lambda Chi Alpha, 364-9901.

Are you ugly?

We can't help you with that, but we can help you with chemistry and chem eng problems. Alpha Chi Sigma Help Sessions, Tuesday and Thursday, from 7-9 p.m., Room 126 Chem Eng.

Nathan,

We have the negatives. Your pride is in our hands.

YFPB

Stairway to Cleveland: Love or leave it.

Charlie,

Remember last year's Big Bash at AEPI? I had so many cool ones that I couldn't help forget about my mid-term blues. Hope to see you there this year.

Joe Co



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# More and More Classifieds

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Brad D.,  
Are your clothes still hanging out the window?

M.D.,  
When do you get rid of that cane? You look old enough.

Congratulations, President of the Pledge Class!  
You're the only person I know that has ever been TeePeed!  
P.S. I'm talking about "Mouth Shadley"

Linda,  
Happy anniversary baby,  
Got you on my mind.  
Two years and going strong.

P.S. UTMO  
Barbecue Burger Sale at TKE Sunday, Oct. 3, 4-6:30 p.m.

To Kevin G. of Sigma Pi,  
Have you figured out who I am yet. And how were the cookies?

P.S. See ya soon!  
"Covering the head probably has some utility value to it."

Could "Endless Love" start at 209? I knew that night we were meant to be together. It might have taken awhile, but I'm sure happy now. I've never felt this way — I love you — "I want our story to continue ... even if it's a novel!"

XOXO your baby,  
Boo-Boo?

Apt. 44

Love,  
Jim

Dr. J.

UMR Panhellenic congratulates Homecoming queen candidates Paula Brewer, Debi Buckwalter, Cindy Farina, Cathy McCain, Joan Maruska, Lisa Mateker, Becky Moritz and Laura Pagano. Good luck this weekend!

Blue Key national honor fraternity welcomes 14 new pledges for the fall semester: Lisa Baganoff, Andy Cox, Dan Dziedzic, Cindy Farina, Bob Heligman, Janet Jansen, Becky Kovarik, Lisa Mateker, Susanne Orrell, Karen Penney, Robert Schmitt, Joan Snider, Susan Wieting and Joe Wolf. New members are chosen on a basis of character, scholarship, student activities and service. The pledges will be distributing Student Directories this fall and working on other service projects as well.  
Congratulations to these outstanding individuals!

Moomie,  
You're special; I have this empty seat that waits for you. Keep in touch.

Charlie

Dr. Grimm,  
The students who have signed this statement are concerned about the loss of the math study room (337). This deprives us of a central area to study where assistance is readily available. Faculty have used the study room to tutor students and conduct informal help sessions for any student having a problem with his studies.

We request the math seminar (conference) room (327) be open for students' use from 9 a.m.-5 p.m. Monday through Friday and upon specific request. We realize the room will not be available during scheduled faculty conference times. We understand the math department has many space assignment problems but we trust our needs will not be neglected or ignored in this very important matter.

C. Godfrey,  
Sorry about your great aunt, but what are you going to do with the \$3,000,000 you inherited?

WANTED: File for Professor Garver's calc 8 class. Please call 364-0498.

The International Moslem Student (IMS) organization at UMR is condemning the barbaric action and the massacres of the Palestinian civilians that took place in west Beirut, Lebanon.

In IMS' point of view, that kind of action will help to complicate the peace process in the Mideast and it will never help to solve the conflict between the opposing forces because fighting never helped to solve problems. Thank you.

Dear Rosey,

We are three freshman women who have been terribly attracted to you! It's taken us four weeks now to find out your name. Please tell us how we can meet you, you're so terribly sexy.

Love,  
Three Anxious Coeds

T,  
You left your rattle in my room, but don't worry. I'll mail it.

S.

To the Mission Impossible Agents,

Your mission, should you choose to accept it, will be to steal tutus from every little girl at the dance studio. We need drapes!!

Agents 34A, 34B and 34C

Hey There Yogi B.,

I bet at this minute you are reading this aloud to me like you always do. Whattsamatta U? Is it Ted? Didn't you get any mail? The Grand Poobah says that this as good as any mail you're ever likely to get, even though it's not perfumed. Don't get bummed out on Rollamo, you bum or I'll have to sic Cindy-Lou-who on you. C'mon ... can't you fake like this is a good time? Whose turn is it to entertain anyway? Hope this discombobulated your head!

Signed,  
The ugliest human bean I know

K.K.,

You should have brought your towel to practice at SEPTEMBER FEST!

B.

## Party Line

The Missouri Miner will print free of charge any party announcement for campus organizations which are submitted before 9:00 p.m. Monday at the Miner box in the Rolla Building. Announcements should be submitted a week before. Hand in announcement in paragraph form with complete sentences (Read: no flyers). We cannot print prices for alcoholic beverages.

### AEPIs 5th ANNUAL BIG BASH

Don't forget to come to Alpha Epsilon Pi's 5th Annual Big Bash. If you remember last year's Bash you won't want to miss this year's.  
BE THERE, Oct. 16, 8 p.m., ALOHA.

### GDI HOMECOMING PARTY

GDI is having a Homecoming Party Saturday, Oct. 2, at 8 p.m. at Tech Engine Club. Come help us enjoy Homecoming. All are welcome to attend. UMR ID or GDI ID are required!!!

### CAMPUS CLUB HOMECOMING PARTY

Campus Club's Annual Homecoming Party will be held Oct. 1 at 8 p.m., 13th and Pine streets. Be there!

## Honeywell announces

# Futurist contest

MINNEAPOLIS, Sept. 13 — Any references to "blue books" makes most college students pale and tremble at the knee. Flimsy and soft-covered, the blue-jacketed booklets have provided generations of sweat-palmed students with the ruled pages needed to answer essay questions. The dread associated with blue books has been understandable, until now. Today, Honeywell is offering \$2,000 prizes for blue books filled with convincing visions about the world in 2000 A.D.

The Honeywell Futurist Awards Competition asks college men and women to identify the most significant technological developments by the year 2000 and to predict how they will affect our world's society, economy and environment. Students wishing to participate must request a special, competition blue book, and direct their essays to topics like computers, energy, aerospace, marine systems, biomedical technology and electronic communications.

A panel of experts, led by Dr. Gerald Dinneen, Honeywell vice president, science and technology and Fred Golden, senior science editor of Time magazine, will select the 10 winning forecasts. In addition to the cash prizes, summer internships will be offered to winners with declared majors in electrical engineering, computer engineering, mechanical engineering or computer science.

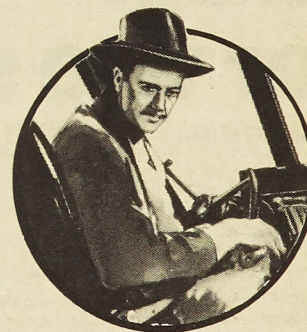
Open to all undergraduate and graduate students enrolled in any accredited college in the United States,

the contest began Sept. 13 and closes Dec. 31, 1982. Winners will be announced Feb. 3, 1983. These young visionaries will be toasted at a special awards dinner shortly thereafter.

The Honeywell Futurist Awards Competition Blue Books can be acquired by writing to: Official Futurist Blue Book, Honeywell Futurist Awards Competition, P.O. Box 9017, St. Paul, MN 55190.

The discoveries continue . . .

# Hughes Story



In 1947 a man flew the Flying Boat, "Hercules" — the largest airplane in the world.

The man was Howard Robard Hughes.

His ingenious ideas and explorations brought new discoveries in aerodynamics, communications, avionics, electronics.

And the early years of Hughes Aircraft Company.

Today, Hughes no longer builds airplanes but the discoveries and exploration of ideas continue.

The company's long history of technological firsts, including the first working laser, first 3-D radar, and first synchronous-orbit spacecraft, position Hughes as a world leader in today's electronics industry. If your degree is in:

- Electrical, Mechanical Manufacturing or Industrial Engineering
- Materials
- Computer Science
- Physics
- Industrial/Electronic Technology

Find out how you can be part of the continuing Hughes Story in twelve Southern California locations and Tucson, Arizona.

Hughes Story. Write yourself in.

Hughes Corporate College Relations  
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Hughes Ground Systems and Space & Communications will be on campus Oct. 1  
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Equal Opportunity Employer  
U.S. Citizenship Required

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**HUGHES**  
HUGHES AIRCRAFT COMPANY

# Write yourself in.

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SUB Welcomes

# Michael Stanley Band!

By JANET JANSEN

Can you identify the bands these lyrics belong to?

Band #1 — "Chemistry ... don't think about it. ..."

Band #2 — "Hosannah! Ole!"

If so, you are an A No. 1 super Michael Stanley Band and Carlos Montoya fan. If not, you may still love their music and be happy to hear they will be coming here, to Rolla, Mo.

It is amazing how Rolla, certainly not the music

For school and fun

## Europe is 'IN' expensive

### Inexpensive student trips.....

Students considering going to Europe between now and the end of next June can go for about half the regular economy fare by taking advantage of a new fare being introduced by Air France this fall.

The Youth fare, \$629\* round trip from New York to Paris, is effective October 1 through June 25, 1983, and is available to anyone between the ages of 12 and 22 at time of departure.

The student must stay for a minimum of two weeks, but can stay for a maximum of one year. Both outbound and return bookings must be made at the time of reservations and ticketing; however, the return portion

capital of the Midwest, or even Missouri, can attract such quality entertainers. Maybe the Concert Committee of the Student Union Board and Jerry Schlueter, director, informed the Michael Stanley Band UMR is a jammin' place to put on a show. Regardless, the group will be appearing to perform such hits as "He Can't Love You," "In the Heartland" and "Hearts on Fire." The concert will be held Oct. 2 at 8 p.m. in the Multi-Purpose Building.

Campus ticket sales began last Monday and will continue until Friday, Oct. 1, from 9:30 a.m.-2:30 p.m. near the Hockey Puck. Tickets will also be available at the door Saturday night. The price for students is \$2.

The explanation of Carlos Montoya's engagement is more reasonably clear. He is returning for his third performance because he has been so well received in the past. The captivating star rouses his audience to thunderous applause

wherever he performs. Wherever includes virtually everywhere from the United States and Canada to Europe and the Orient. He is, in fact, the living symbol of flamenco music the world over. The Spanish gypsy, born in Madrid, was the first guitarist ever to dare to display his artistry in solo concert. His concert, arranged by the Student Union Board Fine Arts Committee, will be held Oct. 6 at 8 p.m. in Centennial Hall. Admission will be free.



may be left open for a \$50 additional payment. There is also a \$50 surcharge for students departing the U.S. between Dec. 11 and 24th.

The special Youth fare is available on all Air France flights departing New York at 7 p.m. weekdays, and all 9:30 p.m. departures except Tuesday and Wednesday. Ask for more details from your travel agent or Air France.

\*Subject to governmental approval.

### .....And low college tuitions

Because the U.S. dollar has strengthened in recent months vis-a-vis the French franc and the Spanish peseta, Academic Year Abroad, an educational

service organization which arranges individualized study in the Universite de Paris and the Universidad de Madrid, announces that costs will be greatly lower beginning with the spring semester of 1983. In France, for example, where the rate of exchange is the most favorable for Americans that it has ever been, the reduction is more than \$800 per year, \$400 per semester. Thus, the costs are often much less than the cost of a semester in an American university.

Applications for spring and fall 1983 at the new rates are now being received by:

Academic Year Abroad  
17 Jansen Road  
New Paltz, NY 12561

Students wishing a brochure and application should send two 20-cent stamps to the above address.

A separate announcement of small grants in support of such study by qualified

applicants will be forthcoming from the C.E.E.U.

## Weekend update

### UMR HOMECOMING UPDATE

#### FRIDAY, OCT. 1:

Registration at the Miner Lounge, University Center, 9 a.m.-4:30 p.m.

Panel discussion on campus updating at 2:15 p.m. in Miles Auditorium.

Silver and Gold Party from 5:30-8 p.m. in St. Pat's Church Parish Hall.

M-Club sponsored bonfire at intramural field beginning at 7 p.m.

Miner soccer game against Sangamon State at 8 p.m.

Homecoming Dance at 9 p.m. in Centennial Hall, University Center-East, with introduction of queen finalists.

#### SATURDAY, OCT. 2:

Registration at Miner Lounge, University Center, 8 a.m.-noon.

Fieldhouse Feed begins at

11:30 a.m. at Gale Bullman Multi-Purpose Building.

Miner football game at 1:30 p.m. against the Lincoln University Blue Tigers including pre-game festivities and crowning of queen during halftime show.

Alumni Awards Banquet at 7 p.m. in Centennial Hall, University Center-East, to be followed by MSM-UMR Alumni Association meeting.

SUB sponsored concert at 8 p.m. in Gale Bullman

Multi-Purpose Building featuring the Michael Stanley Band.

Tickets for alumni events may be purchased until today through the Alumni Office, 101 Harris Hall, 341-4172.

SUB concert tickets are available at the SUB Ticket Table in the University Center through Friday and on Saturday they will be sold at the door beginning at 7 p.m.

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### Student Council is

## For the students

By HEIDI FLUEGEL

Upon reading about the proposed supplemental fee increase, many students were shocked. The supplemental fee is but one of the propositions concerning the financial aspect of the university system. These proposals have come about because of the financial situations of the campuses. These propositions are emergency measures, for the campuses to meet their financial obligations. At this time, the four universities of Missouri have a 16 percent increase in appropriations before the Missouri General Assembly. If this proposal does not pass, then the campuses are faced with cutting back in their budgets. One area which will not be cut back will be in teachers' salaries. Therefore the universities

are faced with creating more revenue. One proposal is the surcharge. This will be a set amount of \$200 to \$400 which will be tacked on to everyone's tuition per semester, if the need should arise. The second proposal is the supplemental fee for engineers. This fee is being "justified" in various ways.

The Student Council is aware of the students' reaction. Up until this time Chancellor Marchello has assured Student Council that the supplemental fee was only a study. But, as a memo dated Sept. 24, 1982, indicates, Chancellor Marchello has stated his views: "I have reviewed the report and recommend the proposals to you for your consideration. Since the loan program minimizes the impact of the supplemental fee, I recommend adoption and implementation of both the engineering sup-

plemental fee and the loan program beginning in fall 1983." Student Council has contacted the Associated Students of the University of Missouri (ASUM) as a source of information. Jim Clarke, a lobbyist for the group, offered these comments. The supplemental fee will become a reality if three things happen:

1. The president of the universities will have to like it.
2. The Board of Curators will have to be in favor of it.
3. It will not meet with much public uproar.

Currently, President Olsen has not expressed an opinion on the fee. Nor have any members of the Board of Curators. Student Council has sent a letter to President Olsen asking him about the intended future of the supplemental fee. Pending his reply, council will take the necessary action.

### PAINTER PANTS 13.89 ANDERSON'S PAINT & WALLCOVERINGS

Forum Plaza Center

### HOMECOMING SPECIAL

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14 Steps Down  
To  
Cool Comfort

Offer only good till 8:00 p.m., Oct. 2, 1982



# Pac-Man expelled

LEXINGTON, KY (CPS) — Pac-Man, along with video sidekick Donkey Kong, almost made it through two days of classes at a Kentucky high school before being expelled by the district superintendent.

Students and faculty at Fates Creek High School originally admitted the two electronic wonders in hopes of making extra money for the school while giving students an entertaining way to spend their free time.

College officials have already found the video games extremely lucrative. In an average campus arcade, each game can rake in \$200-\$300 a week, according to various estimates.

At the University of Arizona, students plunked in over one million quarters — some \$280,000 — at the 35-game arcade in the University Center. The school's profit was \$150,000.

Texas Tech, which converted a meeting room into an arcade two years ago, now has 75 games that bring in \$300,000 a year.

The universities of Illinois, Washington, Cincinnati and Tennessee, to name a few, also report fiscal success with the machines.

"But I haven't seen any evidence to prove they have anything to do with education," dissents Dr. Guy Potts, Lexington's school superintendent who ordered the two machines out of Fates High.

"It was strictly a fund-raising project as far as I could see, and didn't meet any criteria for fund-raising as established by the board of education," he explains. "So I thought they should go."

In addition, Potts says, "based on my experience and knowledge of the problems we've had in the schools with discipline and tardiness, I felt the games would be fairly disruptive."

Some psychologists have even warned the games can foster anti-social behavior — from increased violence to alienation and withdrawal — among children who play them excessively. One expert claims the colorful and pulsating lights on game boards can pitch players into seizures, comas and cardiac arrest.

Brownsville, Texas officials recently complained teenagers are sniffing painted quarters to get high

at local video game arcades.

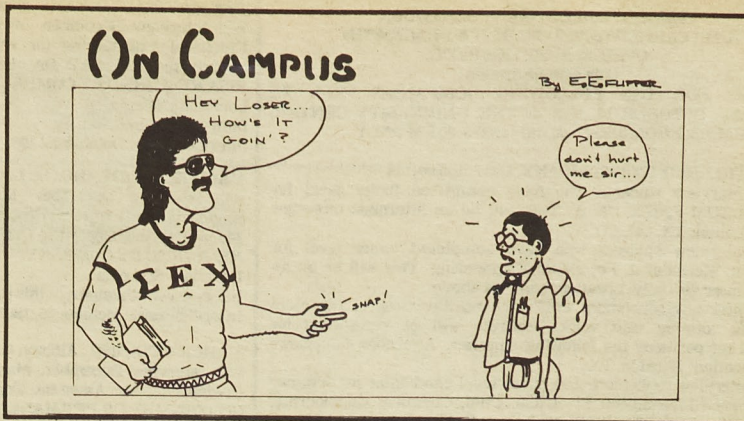
But so far, none of the dozens of colleges that have installed the games has reported such side effects. In fact, some college union officials claim the games are good outlets for student stress.

There's also some evidence the games are actually good for players.

A California physician, for one, says the games keep kids active and alert, as

opposed to watching television, a passive activity. Optometrist John Rogers prescribes video games to children with coordination problems, claiming the games can improve hand-eye coordination.

The games don't lead to stealing, truancy or drinking, either, says B. David Brooks, a juvenile crime consultant who has studied the games' effects on children.



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care of sophisticated equipment worth millions of dollars.

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a comprehensive package of benefits, including special duty pay. The starting salary is \$16,400 — more than most companies would pay you right out of college. After four years, with regular promotions and pay increases, your salary will have increased to as much as \$29,800.

As a Navy officer, you grow, through new challenges, new tests of your skills,

and new opportunities to advance your education, including the possibility of attending graduate school while you're in the Navy.

Don't just take a job. Become a Navy officer, and take charge. Even at 22.

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Age \_\_\_\_\_ College/University \_\_\_\_\_  
Year in College \_\_\_\_\_ GPA \_\_\_\_\_  
Major/Minor \_\_\_\_\_  
Phone Number \_\_\_\_\_ (Area Code) \_\_\_\_\_ Best Time to Call \_\_\_\_\_

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**SUMMER EMPLOYMENT SCHEDULE  
UMR CAREER DEVELOPMENT & PLACEMENT  
OFFICE, BUEHLER BLDG.  
9th & Rolla Streets**

**SIGNUPS FOR THE FOLLOWING COMPANIES WILL BE  
TUESDAY, OCTOBER 12, 1982 IN THE UNIVERSITY CENTER-  
WEST, RM 216, FROM 8:30-11:00 AM; 1:00-3:30 PM ONLY.**

**ATLANTIC RICHFIELD COMPANY, Los Angeles, CA**

Will interview students who have completed junior level for PETROLEUM ENGR. ONLY. This will be an afternoon interview only. Location: TX, OK, CO, WY, AK

Will interview students who have completed junior level for Chemical, Mechanical, Petroleum Engineering. This will be an afternoon interview only. Location: same as above.

Will interview sophomore CHE's for positions out in the plant requiring rotating shift work. Students will be considered for engineering positions the following summer. Afternoon interviews only. Location: Houston, TX

Will interview sophomore and junior level candidates for summer assignments, Mechanical, Electrical, Civil, Chemical Engineering, AFTERNOON INTERVIEWS ONLY. Location: Independence, KS

Will interview students graduating Dec. 83, May 84, in Chemical, Mechanical, Petroleum Engineering for SUMMER ROUSTABOUT. Location: Texas and New Mexico

**US CITIZENSHIP OR PERMANENT VISA REQUIRED ON ALL  
SCHEDULES.**

Interview date: October 12, 13, 1982

**GETTY OIL COMPANY, Tulsa, OK**

Will interview advancing sophomores, advancing juniors, advancing seniors in Petroleum Engineering for summer roustabout, summer assistant engineer.

Location: Tulsa, OK

Interviewers: R.J. Johnson and D.J. Steinnard

Interview date: October 25-27, 1982

**GETTY OIL COMPANY, MINERALS DIV.-COAL ENGR. GROUP,  
Salt Lake City, UT**

Will have a group interview for students in Mining Engineering on Tuesday, Oct. 26, from 3:15-3:45. Please sign list to indicate attendance.

**AMOCO CHEMICALS (STD. OIL OF INDIANA), Naperville, IL**

Will interview advancing juniors, advancing seniors in Chemical Engineering.

Location: Naperville, IL

Interviewer: Terry Lappin

Interview date: October 28, 1982

PERMANENT VISA REQUIRED BY COMPANY

The following companies will collect resumes only; please turn in on Tuesday, Oct. 12, 1982, University Center-West, Room 216, during sign-up hours.

**THE NAVAL WEAPONS CENTER, China Lake, CA**

Will collect resumes from students in Mechanical, Aerospace, Electrical Engineering, Engineering Management, Computer Science, Physics, Math, Chemistry.

**MARATHON PIPELINE CO., Martinsville, IL**

Will collect resumes from students in Mechanical, Electrical, Civil Engineering.

**CENTRAL ILLINOIS PUBLIC SERVICE CO., Springfield, IL**

Will collect resumes from students in Electrical, Mechanical Engineering.

**PERMANENT EMPLOYMENT SCHEDULE  
UMR CAREER DEVELOPMENT AND  
PLACEMENT OFFICE, BUEHLER BLDG.  
9th and Rolla Streets**

Campus interviewing for week of October 25, 1982

**BENDIX CORPORATION, Kansas City, MO**

Will interview December, May grads with BS/MS/Electrical, Mechanical Engineering for Engineer (associate), Kansas City Division, HQ Southfield, MI. US CITIZENSHIP REQUIRED BY COMPANY.

Location: KC, MO

Interviewer: E.L. Roy Sawyer

Priority sign-up: October 11, 1982

Interview date: October 25-27, 1982

Regular sign-up: October 12, 1982

**CENTRAL ILLINOIS PUBLIC SERVICE CO., Springfield, IL**

Will interview December grads with BS/MS/Electrical Engineering for General Office staff and division field electrical engineering (Trans. & Dist.); BS/Mechanical Engineering for Power Plant Engineering in results and efficiency of operation. PERMANENT VISA REQUIRED BY COMPANY.

Location: Mattoon, Marion, Beardstown, Springfield, IL; Coffey, Moredosia, Newton, IL.

Interviewer: H.L. Gaffney

Priority sign-up: October 11, 1982

Interview date: October 25, 1982

Regular sign-up: October 12, 1982

**GETTY OIL COMPANY, Tulsa, OK**

Will interview December 1982, May, July 1983 GRADS ONLY, with BS/MS/Petroleum Engineering for Oil & Gas Production, Engineering, Central E&P - Production Dept. US CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.

Location: OK, TX, NM, IL

Interviewer: D.R. Greenwalt and

R.N. Davis

Priority sign-up: October 11, 1982

Interview date: October 25-27, 1982

Regular sign-up: October 12, 1982

**THE MAYTAG COMPANY, Newton, IA**

Will interview December, May, July grads with BS/Mechanical, Electrical Engineering for Production and Design Engineer in manufacturing & R&D Div. US CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.

Location: Newton, IA

Interviewer: Bob Stanley

Priority sign-up: October 11, 1982

Interview date: October 25, 1982

Regular sign-up: October 12, 1982

**MALLINCKRODT, INC., St. Louis, MO**

Will interview December, May, July grads with BS/Chemical Engineering for Project, Process Engineer in Engineering Div., Manufacturing Dept. US CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.

Location: St. Louis

Interviewer: Unknown at this time

Priority sign-up: October 11, 1982

Interview date: October 25, 1982

Regular sign-up: October 12, 1982

**MERCK & CO., INC., Albany, GA**

Will interview December, May, July grads with BS/MS/Chemical Engineering for Assistant Engineer/Technical Services Dept. US CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.

Location: Albany, GA and other MCMD locations as specified.

Interviewer: Steve Dickman

Priority sign-up: October 11, 1982

Interview date: October 25, 1982

Regular sign-up: October 12, 1982

**MODINE MFG. COMPANY, Racine, WI**

Will interview December grads with BS/Mechanical Engineering for Process/Manufacturing Engineer, Design Engineer.

Location: Corporate HQ in Racine, WI; Mfg locations, IL, MO, KS, OH, IN & TN

Interviewer: D.H. Hammelman

Priority sign-up: October 11, 1982

Interview date: October 25, 1982

Regular sign-up: October 12, 1982

**NAVAL AVIONICS CENTER, Indianapolis, IN**

Will interview December, May, July grads with BS/MS/PhD in Electrical Engineering for wide variety of projects, such as microwave systems, telemetry, missile guidance, etc.; BS/MS/PhD Mechanical Engineering for wide variety of projects, such as microwave systems, telemetry, missile guidance, navigation, etc.

FOR CIVILIAN EMPLOYMENT. US CITIZENSHIP REQUIRED BY COMPANY.

Location: Indianapolis, IN

Interviewer: Ginny Twell

Priority sign-up: October 11, 1982

Interview date: October 25, 1982

Regular sign-up: October 12, 1982

*continued page 14*

**1982-83 EE'S and Computer  
Engineering Graduates**

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Interviews:  
MONDAY  
OCTOBER  
11**

Sign up for an interview at your Placement Office, or write directly to: **Ms. Colette Deeds-Conner, Professional Recruiter, Dept. UM, NCR Corporation, 3718 North Rock Road, Wichita, Kansas 67226.**

**NCR**

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m=  
=m

# Comments

MISSOURI MINER

Thursday, Sept. 30, 1982

Page 13

## There is a recession

By LARRY BECK

There's a recession; everybody knows that. What they want to know is how to get out of it. Better yet, since recessions are so painful to people, how can we prevent them from occurring?

By "we", of course, I mean our government. There's not much most individuals can do about a recession. Take you, for instance. How are you going to get us moving again, take your money out of the bank and spend it to provide jobs? What if that doesn't work? You'll be broke and we'll all still be in a recession. Or how about slacking off at work, so that your boss will have to

hire more people? No, that won't work either. You'll probably just get fired, leaving one job lost, one gained, and no recovery.

Our government, with its powerful influence on the economy, must act. We know that, and our elected representatives do, too. So they have come up with a bunch of plans to bring prosperity back. Those plans can be separated into two neat categories: defensive and offensive. The former are intended to keep things from getting worse. The latter are meant to actually help things get better.

The defensive plans, which are probably more numerous, are not very well

thought out. If adopted, they would hurt the economy in the long run and simply yank money out of your pocket and give it to somebody else in the short run. Needless to say, the Reagan administration has been responsible for a number of these. It was their idea to "negotiate" car import ceilings with the Japanese. This has caused Japanese car prices to rise. It has also encouraged them to build larger (more profitable) cars which compete more directly with the most popular U.S. made models. And, finally, it has worked against us in our efforts to get the Japanese to lower barriers they have to our

goods.

Another Reagan administration plan was the sugar quota. In order to encourage the use of domestic sugar (and to save money on sugar crop price supports), the administration reduced the amount of sugar that could be brought into the country. Unfortunately, unrefined domestic sugar costs over twenty cents a pound. Sugar produced elsewhere was less than six cents a pound last week. Be sure to thank the beet and cane growers of the country and the President next time you buy a Coke. Also, be ready to ante up for increased foreign aid payments to the countries

that can't make money selling us sugar anymore.

But Reagan and his underlings aren't the only dopes running loose on Capitol Hill. Our own Senator Danforth has a plan to defend the economy. It's called reciprocity legislation. Reciprocity, in this case, means that if "they" don't let our goods into their countries, we won't let theirs into our country. An eye for an eye, you say; doesn't that make sense? Well, yes and no. It is true that many countries have erected barriers to imports of goods that we produce. But, just because their governments force them to pay higher prices for things,

should we have our government do the same to us?

And it's not just the Republicans. Democrats, on behalf of a number of unions, want to pass "domestic content" legislation. This would require that products sold in the U.S. be composed of a certain percentage (the most widely quoted figure is ninety percent) of U.S. made parts. Obviously, they want to eliminate your ability to choose whether or not to "buy American". You wouldn't mind paying more for your shoes, your clothes, your car or motorcycle, your typewriter, or your stereo, would you? Aren't you patriotic?

## How many bombs are enough?

By GREG HARVEY

I must respond to the articles submitted by George Benson entitled, "What's Past Is Prologue" and "Soviet Strategy Has Not Changed." His articles remind me of what someone once said, "Both the Soviet and American people are brainwashed, but only the Soviets know they are."

The so-called "window of vulnerability" is one of the current arguments for unneeded defense spending. Our government claims we're behind the Soviets in our nuclear arsenal but they wouldn't exchange places for one moment. Our defense department, as well as George Benson, would like us to believe that we're only safe when we have excessive nuclear superiority with Russia hurrying to catch up.

Wouldn't we be less likely to fall under Soviet domination if we had a healthy economy, low unemployment and the national debt under control?

The countries with the highest growth vigorous

economies, today, are the ones, such as Japan, with small military budgets. Facts have shown that each extra billion dollars spent on defense doesn't create jobs but, in the long run, actually costs, our country about 10,000 jobs. Couldn't that money also be better spent on helping to feed the Earth's one billion malnourished people? In 1953 President Eisenhower — sounding like a biblical prophet — said, "Every gun that is made, every warship launched, every rocket fired signifies in the final sense a theft from those who hunger and are not fed, those who are cold and are not clothed." Should we follow the Soviet example and starve our people to build more bombs.

One question many people have today is, "Why do we need so many bombs?" Is it to keep the Soviets in line? It didn't keep them from cracking down on Poland and Afghanistan. Their weapons likewise didn't keep

us out of Korea, Vietnam and now El Salvador. If their weapons are meant to blow

up the U.S. and all her allies, then why do we have so many? Do we want to do the same thing to them or do we just want to keep them from doing it? Why do we need MX missiles and their first strike accuracy if we don't intend to strike first? These questions need to be honestly answered by our government.

How many nuclear bombs are necessary for a barebones, no frills national defense? That question has often been asked and answered. In the beginning of the Cold War, President Truman was told that 400 atomic bombs would "keep the Soviets in line." In 1958 the National Planning Association concluded that 200 warheads would be enough to devastate a large country. President Kennedy's aides privately argued that 100 missiles carrying one bomb apiece would be enough. Secretary of Defense, Mac Namara,

estimated we only need 400 one megaton warheads to have an effective deterrent against nuclear war. That

amount is capable of destroying 76 percent of the Soviet industrial strength and 74 million of its people. That amount is less than 5 percent of the U.S. strategic arsenal alone without counting the over 7,000 tactical weapons in Europe. What do we do with the other 95 percent or "leftover" bombs. Its a problem of not having enough targets for all the bombs. The question today should not be, "Are we ahead?" but "How much is enough?"

The U.S. has some 26,000 nuclear bombs capable of destroying every Soviet city 40 times over! Each new U.S. Trident sub equipped with the Trident II missile in the mid-1980's can carry 408 bombs able to destroy 408 different cities. Unbelievable! Each bomb, carrying a blast five times greater than Hiroshima's, could easily flatten a city of 100,000 people. These Trident

submarines are next to invulnerable unlike land based missiles, so it seems to have an effective deterrent we would only need one or two of these subs and could dismantle everything else. We are planning to build 15 of them now at a cost of \$1.6 billion each!

We can change this situation today but it will

take effort. Walter Wink describes our choice this way: "We can today choose faith or paralysis. Which we choose may well determine the future of the Earth." In the words of the Old Testament: I have set before you life and death, blessing and curse; therefore choose life, that you and your descendants may live. — Deuteronomy 30:19.

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**THE NATIONAL SECURITY AGENCY, FT. MEADE, MD**

Will interview May, July grads with BS/MS/PhD Electrical Engineering for design, develop, test and evaluate communications, recording and deve.; BS/MS/Comp Science for performing systems design and systems programming, computer applications, etc.; BS/MS/Applied Math to research and solve complex problems in cryptography, cryptanalysis, etc. More details with NSA signups. US CITIZENSHIP REQUIRED BY COMPANY.

Location: Ft. Meade, MD  
Interviewer: Jeffrey Grady Priority signup: October 11, 1982  
Interview date: October 25, 1982 Regular signup: October 12, 1982

**MOTOROLA, INC., Schaumburg, IL**

Will interview DECEMBER grads with BS/MS/Electrical Engineering Computer Science for Corporate Software Program, IL, AZ, TX, FL, MA (schedule #1); Schedule #2 and 3 will interview May, July grads with BS/MS/Electrical Engineering for product design and mfg., Communications Sector, Schaumburg, IL; Schedule #4 will interview May, July grads with BS/MS/Electrical, Mechanical, Chemical, Ind. Engineering for Communications Sector — Portable Products and Paging Div., FL; Schedule #5 will interview December grads with BS/MS Electrical Engineering for Government Electronics Group — six month Engineering Training Program leading to positions in R and D of military/space communications equipment; Schedules #6 and 7 will interview May, July grads with BS/MS/EE, Computer Science for Communications Sector — Mobile Products Div., Ft. Worth. US CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.

Interviewers: Bill Gatley, Jack Waters, Rick Murray, Barry Jason, et al  
Interview date: October 26, 1982  
Priority signup: October 12, 1982  
Regular signup: October 13, 1982

**NORTHERN ILLINOIS GAS COMPANY, Aurora, IL**

Will interview December, May grads with BS/Geological, Petroleum, Civil, Mechanical Engineering, Engineering Management — Engineering department assignments in the first 12-18 mos. typically include project experience in pipeline, underground storage and station design engineering as well as experience in gas system planning. US CITIZENSHIP REQUIRED BY COMPANY.

Location: Naperville, IL  
Interviewer: Unknown at this time Priority signup: October 12, 1982  
Interview date: October 26, 1982 Regular signup: October 13, 1982

**GETTY OIL COMPANY, Minerals Division-Coal Engr. Group, Salt Lake City, UT**

Will interview May grads with BS/MS/Mining Engineer in-training, until foreman, then production and various assignments in Plateau Mine. US CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.

Location: Lattis, CO; Yamba, CO; Steamboat Springs, CO  
Interviewer: Unknown at this time Priority signup: Oct. 12, 1982  
Interview date: October 26, 27, 1982 Regular signup: Oct. 13, 1982

**INGERSOLL JOHNSON STEEL COMPANY, New Castle, IN**

Will interview all grads with BS/Metallurgical Engineering for Process Metallurgist. US CITIZENSHIP REQUIRED BY COMPANY.

Location: New Castle, IN Priority signup: October 12, 1982  
Interviewers: Michael G. Riebe & William L. Wimmer  
Interview date: October 26, 1982 Regular signup: October 13, 1982

**JONES & LAUGHLIN STEEL CORP., Pittsburgh, PA**

Will interview December, May, July grads with BS/MS/Electrical, Mechanical, Metallurgical Engineering for Steel Production Management Trainee Program or QC Management Trainee. Formal, on-the-job management trainee program up to 12 mos duration. US CITIZENSHIP REQUIRED BY COMPANY.

Location: various  
Interviewer: Unknown at this time Priority signup: Oct. 15, 1982  
Interview date: Oct. 29, 1982 Regular signup: Oct. 18, 1982

**HONEYWELL, INC., Minneapolis, MN**

Will interview December, May grads, with BS/MS/Computer Science, Electrical Engineering, Physics/Comp Sci; Math/Comp Science (BS) for software engineering in Avionics Div.; BS/Electrical Engineer for Associate Evaluation Engineer, Product Assurance Engineer, Production Engineer. US CITIZENSHIP REQUIRED BECAUSE OF GOVERNMENT CONTRACTS.

Location: Minneapolis, MN  
Interviewer: Unknown at this time Priority signup: Oct. 15, 1982  
Interview date: Oct. 29, 1982 Regular signup: Oct. 18, 1982

**MARATHON PIPELINE CO.**

Will interview December, May grads with BS/MS/Mechanical, Electrical Engineering for Pipeline Engineer, Eastern Div. (Civil Engineers may sign back up list). US CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.

Location: IL, OH, TX, WY  
Interviewer: Kevin B. Sparks Priority signup: October 15, 1982  
Interview date: October 29, 1982 Regular signup: October 18, 1982

**THE NAVAL WEAPONS CENTER, China Lake, CA**

Will interview December, May, July grads with BS/MS/PhD in Mechanical, Aerospace, Electrical Engineering, Engineering Management, Computer Science, Physics, Math, Chemistry. Details attached to signups. US CITIZENSHIP REQUIRED.

Location: China Lake, CA  
Interviewer: Ray Van Aken and Win Johnson Priority signup: October 15, 1982  
Interview date: October 29, 1982 Regular signup: October 18, 1982

**CANCELLATIONS:** Chicago Bridge & Iron (Oct. 25); Iowa Electric Light & Power (Oct. 25); Wisconsin Power & Light, Mare Island Naval Shipyard, Missouri Public Service Company, (Oct. 26); Ford Motor, Universal Electric (Oct. 27); GTE Electric (Oct. 28); Rexnord (Oct. 28-29); Dow Chemical, Midland, MI, Illinois Power, M.W. Kellogg, Sverdrup Tech (Oct. 29)

**ADDITIONS FOR WEEK OF OCTOBER 18-22, 1982****CLEVELAND PNEUMATIC COMPANY, Cleveland, OH**

Will interview December grads with BS/MS/Civil, Aerospace, Mechanical Engineering, Engineering Management for Assoc. Engr (structures emphasis) and Operations Engineer. US CITIZENSHIP REQUIRED BY COMPANY.

Location: Cleveland, OH  
Interviewer: Penny Sisson Priority signup: October 7, 1982  
Interview date: October 22, 1982 Regular signup: October 11, 1982

**U.S. NAVY HAS ADDED A SCHEDULE FOR OCTOBER 5, 1982.****FT. LEAVENWORTH PERSONNEL**

Will interview on October 29, 1982; date originally on October 15, 1982. See week of October 18-22 for further details.

**PEABODY COAL**

Will have an information meeting in the UMR LIBRARY on Oct. 13. DETAILS WILL BE AVAILABLE WITH SIGNUPS.

**HEWLETT PACKARD, Loveland, CO**

Will collect resumes from all levels Computer Science, Electrical Engineering for review. PLEASE TURN IN TO PLACEMENT OFFICE BY OCTOBER 11, 1982. INTERVIEWS WILL BE SET UP BY RECRUITER ON NOVEMBER 4. (May be turned in to Jane, signup office.)

**ESL**

INFORMATION MEETING ON OCTOBER 17, 1982, HAS BEEN CANCELLED.

**KANSAS CITY POWER & LIGHT**

WILL BE INTERVIEWING ON NOVEMBER 4. ONLY SCHEDULE ON NOVEMBER 3 HAS BEEN CANCELLED.

**CENTRAL ILLINOIS LIGHT COMPANY, Peoria, IL**

Will interview May, July grads with MS/MS/Electrical Engineering (Power Opt.) for Plan & design elec. transmission, substation, and distribution facilities; BS/MS/Mechanical Engineering (Thermodynamics requested) for power plant related projects, performance evaluations of equipment, and economic studies. USE OF FORTRAN COMPUTER LANGUAGE REQUIRED FOR BOTH DISCIPLINES. US CITIZENSHIP REQUIRED BY COMPANY.

Location: Peoria, IL  
Interviewer: Sam Petty Priority signup: October 12, 1982  
Interview date: October 26, 1982 Regular signup: October 13, 1982

**BABCOCK & WILCOX, New Orleans, LA**

Will interview December, May grads with MS/Ceramic Engineering for Tech. Laboratory, Product Dev.; BS/Electrical Eng., Comp Science for Controls & Instrumentation, Design, Field Service, Software Support, Hardware Support, Systems Design & Analysis-Fossil & Nuclear; BS/MS/Mechanical Engineering, Engineering Mechanics for Analytical design & calculations in heat transfer, etc.; BS/MS/PhD in Met Eng. for Met. Analysis, Materials Eng., R&D; BS/MS/PhD in Nuclear Engineering for Field Engineering; Safety Analysis; Power Systems & Controls; Fuels; Design & Analysis; Reactor Technology, etc. US CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.

Location: OH, VA, PA, GA, WI  
Interviewer: Unknown at this time Priority signup: October 13, 1982  
Interview date: October 27, 1982 Regular signup: October 14, 1982

**MCDONNELL DOUGLAS CORPORATION, St. Louis, MO**

McDonnell Aircraft Company/McDonnell Douglas Astronautics — Will interview December, May grads with BS/MS/EE, ME, AE, Eng. Mgmt, for engineering, design, research, development, analysis, testing, computer aided design & software development for aircraft, etc.

McDonnell Douglas Automation Company — Will interview December, May grads with BS/MS/Comp Science  
McDonnell Douglas Electronics Company — Will interview May, December grads with BS/MS/Electrical Engineering, Computer Science. Details will be attached to signups for MDEC. US CITIZENSHIP REQUIRED ON ALL SCHEDULES.

Interviewers: Unknown at this time Priority signup: October 13, 1982  
Interview date: October 27, 28, 1982 Regular signup: October 14, 1982  
NOTE: MDEC REQUESTS THAT STUDENTS REVIEW TAPE ON FILE AT UMR LIBRARY PRIOR TO INTERVIEW

**FBI, Rolla, MO**

Will interview December, May grads with BS/MS/PhD in Electrical, Mechanical Engineering, Computer Science, Physics. US CITIZENSHIP REQUIRED.

Interview date: October 27, 1982 Priority signup: October 13, 1982  
Regular signup: October 14, 1982

**PETRO-LEWIS**

Will interview on October 27, 28, 1982. No details available at this time.  
Priority signup: October 13, 1982  
Regular signup: October 14, 1982

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**DAVID TAYLOR NAVAL SHIPYARD**

Will interview December, May, July grads with BS/MS/PhD in Aerospace, Civil, Electrical, Metallurgy, Mechanical Engineering, BS/MS/Computer Science, Math, Physics for R&D, Test & Evaluation of Naval vehicles. US CITIZENSHIP REQUIRED BY COMPANY.

Interviewer: Unknown at this time Priority signup: October 13, 1982  
Interview date: October 27, 1982 Regular signup: October 14, 1982

**FACTORY MUTUAL ENGINEERING CORPORATION, Maryland Heights, MO**

Will interview December, May grads with BS/Chemical Engineering, Civil, Electrical, Mechanical Engineering, Engineering Management for Industrial Loss Prevention Consultant in area of fire, explosion, wind storm, flood, etc.

Location: St. Louis  
Interviewer: Unknown at this time Priority signup: October 13, 1982  
Interview date: October 27, 1982 Regular signup: October 14, 1982

**AMOCO CHEMICALS (STD. OIL OF INDIANA), Naperville, IL**

Will interview December, May, July grads with MS/PhD in Chemical Engineering in areas of process development, product development, process design, economic analysis, operations research & computerized control. PERMANENT VISA REQUIRED BY COMPANY.

Location: Naperville, IL  
Interviewer: Terry Lappin Priority signup: October 14, 1982  
Interview date: October 28, 1982 Regular signup: October 15, 1982

**HEWLETT PACKARD COMPANY, Corvallis, OR**

Will interview December, May grads with BS/MS/PhD in EE, Comp Sci for Design, Production, Marketing — Digital hardware and/or software, analog, integrated circuit; BS/MS/PhD in Mechanical Engineering for Design, Production, Manufacturing, Marketing, Sales.

THERE WILL BE AN INFORMATION MEETING IN THE UMR LIBRARY ON WEDNESDAY, OCTOBER 27, FROM 4:00-6:00 PM.

Location: various  
Interviewers: Bob Livengood, Jerry Hild, Dave Carver, Will Pomeroy, Tom Nebel Priority signup: October 14, 1982  
Interview date: October 28, 1982 Regular signup: October 15, 1982

**B-LINE SYSTEMS, Highland, IL**

Will interview on October 28, 1982. No details available at this time.  
Priority signup: October 14, 1982  
Regular signup: October 15, 1982

**BECHTEL POWER CORPORATION, Houston, TX**

Will interview DECEMBER grads with BS/Civil, Mechanical, Electrical, Nuclear, Chemical Engineering for Design, Field Construction, Cost/Scheduling/Estimating Engineer; will interview December, May grads with BS/Electrical Engineering (power option) for entry-level electrical design engineering. STUDENTS ON THIS SCHEDULE ARE ADVISED OF A PRE-RECRUITING MEETING ON THURSDAY, OCTOBER 28. DETAILS WILL FOLLOW.

Location: various (see signups)  
Interviewers: Fred Meyer, Carl Kreutziger Priority signup: October 15, 1982  
Interview date: October 29, 1982 Regular signup: October 18, 1982

**E SYSTEMS, INC., Greenville, TX**

Will interview December, May grads with BS/MS/PhD in EE; MS/Civil, Mechanical Engineering, MS/PhD/Math, Physics; BS/MS/PhD Computer Science for Structural, Mechanical Design, Stress, Software Engineer. US CITIZENSHIP REQUIRED. STUDENTS ARE TO BRING COMPLETED COMPANY APPLICATION AND A LIST OF COURSES COMPLETED TO INTERVIEW.

Location: Greenville, TX  
Interviewer: Unknown at this time Priority signup: Oct. 15, 1982  
Interview date: Oct. 29, 1982 Regular signup: Oct. 18, 1982

**FRITO LAY**

Will interview DECEMBER grads (May grads, sign back-up list); with BS/Chemical, Civil, Electrical, Mechanical Engineering for Engr. & Technology Program. COMPANY HAS INDICATED THAT RECRUITER WILL REVIEW RESUMES FROM BACK-UP LIST, THEN CONTACT ON HIS OWN. US CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.


Location: Unknown  
Interviewer: Unknown at this time Priority signup: Oct. 15, 1982  
Interview date: Oct. 29, 1982 Regular signup: Oct. 18, 1982

**PUBLIC SERVICE OF INDIANA** will interview on Oct. 29, 1982. No details available at this time.

Priority signup: Oct. 15, 1982 Regular signup: Oct. 18, 1982

2009 TAVERN

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## Miners make Aces 'birthday gift'

By JOHN GALT

The Miner football club merrily sang "Happy Birthday to You" for tight end Keith Markway on the bus ride from the stadium to the

motel after thumping the Purple Aces of the University of Evansville, Ind., 14-10. Although inactive against the Aces, Markway, a sure-handed receiver, accepted the victory as a

fitting birthday gift from his fellow Miners. The Miners also enjoyed their victory over the Aces because there is certainly no love lost between the two clubs. The Miner offense was

acutely balanced in its attack providing 107 yards rushing and 107 yards passing. Dennis Pirkle's passing together with the hard nosed running of Jon Falke and Randy Shed combined together on two strong scoring drives that ended in touchdowns. The first scoring drive covered 52 yards and was highlighted by excellent blocking and running, as well as fine passing. Falke and Shed made appropriate use of big holes provided by offensive linemen Doug Ely, Dan Obrycki, Jim Lloyd, Jeff Heger and Kevin Griesmer. Pirkle made key passes to David Stevens, Shed and Kurt Lorenzen. Falke plunged over from one yard out to cap the scoring drive. Craig "Winkie" Thomas

provided the extra point. The second scoring drive covered 51 yards and brought the Miners back from a 7-10 deficit for the victory. Falke, who rushed for 93 yards on 23 carries, and the offensive line were largely responsible for the Miner come-from-behind TD. Falke scored the winning TD from one yard out again.

The Miner defense allowed the Aces 238 yards in the air, but brought the hammer down on the ground allowing only 36 rushing yards. The defense was led by seniors Paul "Scrap Iron" Demzik, Bob Pressley and "Boom" Fizer. Demzik had two drive-stopping interceptions and made five tackles. Pressley had seven tackles

and a QB sack. Fizer also had seven tackles and on one play sacked the QB, caused a fumble and then recovered the ball — good job Boom. The Aces' last opportunity to score was nipped in the bud when Craig Thomas intercepted with just over a minute left in the game — way to go Winkie.

This Saturday afternoon the Miners will meet the Blue Tigers of Lincoln University here at Jackling Field for Homecoming '82. The Blue Tigers are the Miners' first MIAA Conference opponent. Kickoff is at 1:30 p.m. this Saturday — admission is free to students with ID. Get out and see the Miners start the Homecoming festivities off right.

### Men's Soccer

## Take 1 - 1 home stand

By PAUL THOMAS

On Saturday, Sept. 25, the Miners played host to the UMKC Kangaroos. The UMR side played a hustling game and dominated throughout. Steve McVey opened the scoring with a nice shot from outside the area on an equally nice feed from senior Don Anselm. Anselm then narrowly missed twice before UMKC came back to tie it and lead before the half. UMR outshot UMKC in the first half 15-3 yet trailed 2-1.

The second half was all

Miners. UMR scored four unanswered goals in that second half. The tying goal came from Andy Carpenter, the winning goal came from Scott Jaskowiak and additional goals came from Drew Wilson and Chris Hayes. Offensive standouts were McVey and Jaskowiak with a goal and an assist apiece and Anselm with two assists.

Sunday brought strong NAIA 8th ranked Rockhurst College to town. The final was 2-0 in favor of the bad guys. UMR played well until they got the bad end of three distinctly questionable calls

by the officials. This is never an excuse for a loss but is worth mentioning as a reason. Rockhurst goals were scored by Skip Ray and Chris McCarthur.

The Miners next home game will be Friday night at 8 p.m. against yet another NAIA school, Sangamon State. Saturday night the Miners face Division I school Illinois State, also at 8 p.m. The Miners are 5-2.

TILL NEXT TIME: Friday, Oct. 1, HOME vs Sangamon State, 8 p.m.

Saturday, Oct. 2, HOME vs Illinois State, 8 p.m.



A Rockhurst player attempts to stop the Miners progress last Saturday. Rockhurst downed UMR 2-0.

### Women's Soccer

## Stays 500

By NANCY REITER

After four games women's varsity soccer is still a .500 team. This weekend UMR split a pair of games in the Lindenwood Tournament on Saturday. In their morning game, the Miners battled the host team and the eventual

tournament champion, Lindenwood, to a 0-0 tie at the end of regulation play. It took two 5-minute overtime periods for Lindenwood to overpower UMR by a 2-0 score. Outstanding defensive performances were contributed by sophomore Chris Waeckerle and by freshman

Lisa Frumhoff who tallied up several saves for the Miners against their nationally ranked opponent.

In afternoon action, UMR

see Soccer

page 16

### Men's Cross Country

## Captures 7 places

By SCOTT WHITE

In the comfortable setting of their home course, the Miner cross country team showcased their running talent Saturday by claiming seven of the top 11 places in a quadrangular meet with Lincoln University, School of the Ozarks and Southern Illinois University-Edwardsville. The Miners easily captured first place by defeating SIU-Edwardsville 21-40, School of the Ozarks 20-42, and Lincoln University 15-50.

A fast course and a clear

day provided for some extremely fast times. Chris Marcak from the School of the Ozarks was the top finisher covering the 5 mile course in 25:46. Jeff Peterson of the Miners grabbed second place in 26:05. Taking third place was Dan Lichtenwalner in 26:10. SIU-Edwardsville took fourth and fifth places, then the Miners put together a string of four runners, Pete Lichtenwalner 26:48, Clint Campbell 26:49, Dave Moore 26:50, and Joe Henze 26:55, to take sixth through ninth places. Dan Ray was the last

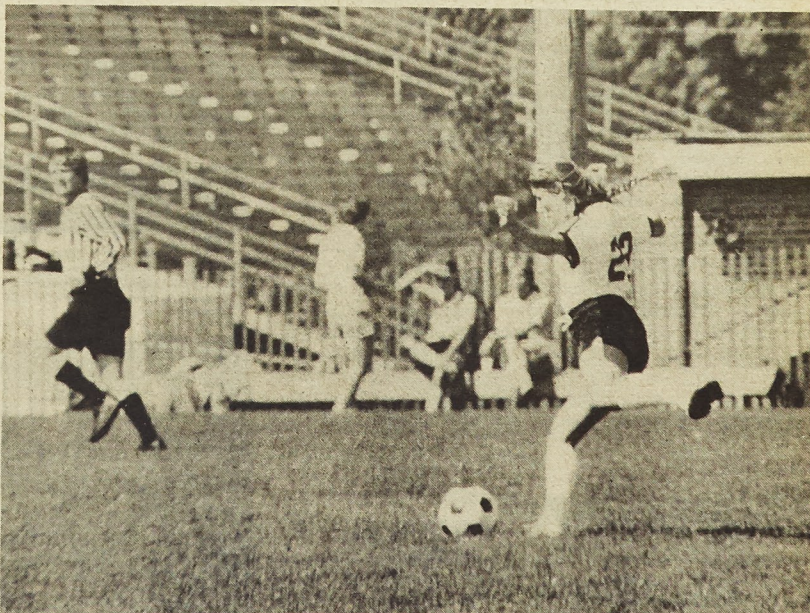
varsity runner finishing in 27:02 in 11th place.

"I was very pleased with our performance and the times that we turned in. It was a great boost for us to have Clint (Campbell) and Dave (Moore) up there with the top runners again," commented Coach Dewey Allgood.

The Miners should be primed and ready to take on Southwest Missouri State

see Runners

page 16



Val Schafner takes a shot on goal in women's soccer action.



## Women's Cross Country

# Improve times, but fall short

By NANCY REITER

The varsity women's cross country team welcomed some new team members, but still came up short in Fridays dual meet against School of the Ozarks. The competition was on the same course and against the same team as the first meet three weeks ago, and thus allowed the runners to appraise their

progress on two fronts.

In points, the Miners were out-placed by a score of 22-33. The fact that both schools had added new members to its ranks along with some injuries on the UMR squad had an impact on the outcome.

On the personal side, all returning UMR runners improved their times tremendously for the course.

Another outstanding performance by Jan Hierholzer placed her first in the meet with a time of 18:36. This time is a women's course and a personal best for Jan in a 5,000-meter race. The second Miner to cross the line, for fifth in the meet was Karen Penney at 20:45. The remaining UMR finishers were Jill Cameron (22:11), Gail Halsey (22:42), Laurie

Behm (22:59), Leslie Behm (23:37), Kim Murphy (24:17), and Amy Noel (25:12). Gail, Laurie, Leslie, Kim and Amy are the newcomers to cross country competition. Although their workouts are not yet even with the rest of the team in distance, they have now set their marks and Coach Preston expects to see rapid improvement.

The women will host their homecoming meet Saturday at 10:30 against Westminster

on the UMR golf course. Come on out and cheer the Lady Miners on to victory.

## Hookers defeat SLU 13 - 4

By MAET T. SMITH

The UMR rugby team continued its winning ways Saturday by defeating St. Louis University by the score of 13-4. Scoring for the UMR club was by Mike Dell-

Orco with one try and Mike Eversman with two penalty kicks and one drop kick.

The second side won its first game of the young season by the score of 8-0. Scoring in this game was by Perry Harris and Harley

Meyer. The showing by both squads again bolsters the belief that this will be a productive season for the club.

The UMR rugby club would like, at this time, to

express its gratitude to all the fans who showed up at the game. Thanks for all the support. And a special thanks to Mr. Lee Kimmel for officiating the game and his excellent help with coaching the club.

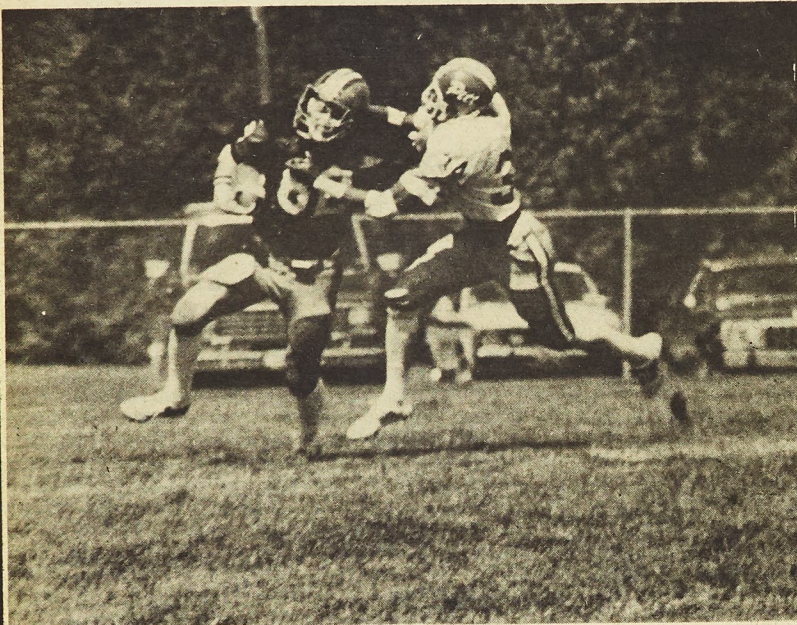
The next game will be this Saturday at 11:00 on the fraternity row fields. The team will host the Bomber Rugby Club of St. Louis. The team appreciates all the support it gets; so come out and yell for the Ruggers.

### What be "Rugby"?

Don't fully understand the game of rugby? The following series of articles will explain various aspects of the game. This week we will outline the basic scoring of the game. A try is similar to a touchdown in football, but in rugby the person scoring the try must put the ball on the ground. This is worth 4 points. After the try, the scoring team is awarded a chance to kick for two points. This kick is moved out from where the ball is touched down a discretionary distance by the kicker until he is comfortable with the kicking angle.

The other scoring plays are worth 3 points. These are the drop kick, which can be attempted by anyone at anytime, and a kick for post that may be attempted only after a penalty has been awarded.

Still confused? Well, there will be further explanation in the upcoming weeks, but until then, come out to the games to get some first-hand information.



A Pittsburgh state defender holds back Scott Stephens in Sept. 18 action.

## Soccer

from page 15

gained a few more tangible benefits from their effort as they topped Southeast Missouri State by a score of 2-0. Both Rolla goals came just over halfway through the second period. Credit for the first is given to freshman Jan Wilkerson with an assist going to Waeckerle. Five minutes later, Chris used a penalty shot to give UMR its final score. A mix-up regarding Washington University prevented the

team from competing in Sunday's play.

Coach Paul McNally was generally happy with his team's performance in the tourney. He sees the second half of the Southeast game as the Miners' "best half of the weekend." Although there was evidence then of a united offense, he hopes soon to see a significant increase in the amount of scoring opportunities. This, it is

hoped, will directly influence "goal production."

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## Brano's

P.O.E.T.S. Meeting  
Fridays 2:30-4:30

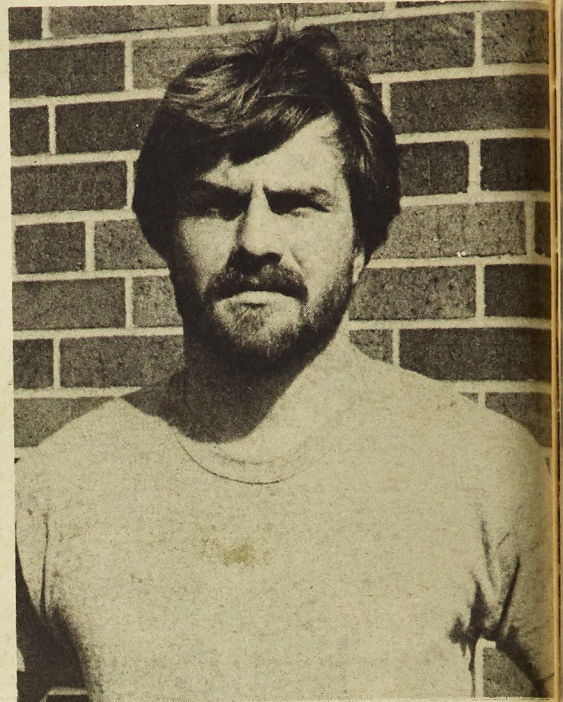
P --- on Everything,  
Tomorrow's Saturday!

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## Runners from page 15

when they travel to Springfield next Saturday for the SMS Invitational. SMS, having finished eighth

in the Nationals last year, will be a very tough challenge for the Miners indeed. Go get 'em Miners!



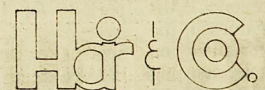
## M-Club Athlete of the week

Submitted By  
M-CLUB

The M-Club is proud to present Paul Demzik as "M-Club Athlete-of-the-Week." Paul, a senior defensive end on the UMR football team, had two interceptions one of which helped set up the first Miner touchdown, broke up another pass and had four

unassisted tackles along with one assisted tackle. Paul's performance helped the Miners' defense hold Evansville to only 36 yards rushing and a Miner 14-10 victory.

The M-Club is having a meeting tonight at 7 p.m. in 114 C.E. All members are encouraged to attend.



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# Men's IM Tennis, Football roll on

By LARRY TIPTON

Intramurals are really swinging now, literally. The tennis tournament is already going, and quarterfinal matches in both singles and doubles are coming up fast.

The men's racquetball tournament was held entirely this weekend at Vessel's Courts. In singles competition, Greg Raymer of Kappa Sig captured the crown. BSU's Mike Middleton placed second, while three-time defending champion Rich Henry of PiKA had to settle for third.

Independents Dave Carl and Mark Grossbacker won the doubles title, with John Kurz and Mike Beckman of TKE placing second. Dave Vitale and Todd Rush of Kappa Sig took third place.

"Although some of the guys complained about playing so much in a short span of time, this year's tournament went much smoother than last year's," stated intramural director Dewey Allgood.

In flag football action, Beta Sig, A Phi A and GDI

are the only remaining undefeated teams.

Beta Sig and Sig Nu are battling it out in Division I, League 1 action, while Phi Kaps and KA are currently on top in League 2.

AEPI and Campus Club are well in front of the other League 1 teams in Division II action, while A Phi A and GDI lead League 2. Total standings follow.

I.M. NOTES: The intramural swim meet has been moved up one day. Prelims are on Tuesday,

Sept. 5, with finals scheduled for the next day. Entries are

due tomorrow, Oct. 1. The annual cross country meet

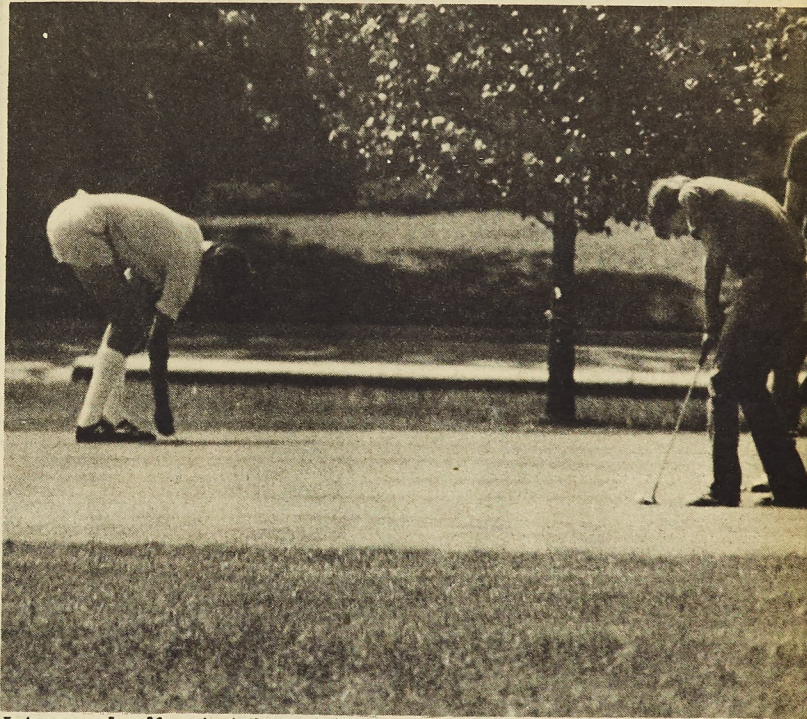
will be held on Oct. 15, so start training now!



Beta Sig defenders put on a mean rush against RHA in Division I action.



Between plays in the KD-RHA game. RHA was victorious, 13-8.



Intramural golfers test their skills on the 9th hole at the UMR course. Campus Club won the tournament.

## Women's

# Intramural News

By NANCY REITER

It's "that time of year", again — everything is getting into full swing: classes, labs, partying. Women's intramurals are no exception.

In this week's flag football, TJHA shut out ZTA by a score of 48-0. The speed of TJ's Gail Cooper lead them to the victory as she accumulated six of their eight touchdowns. RHA used the talents of Lisa Hesser and Beth Ann Ryan to take KD 13-8. KD's touchdown was scored by Carol Bornman

and they ran the conversion successfully for two points. Chi O. moved up the charts with a forfeit from White Stars.

Women's racquetball is just underway; final results won't be in for a week or so. In tennis, KD's Bornman is dominating the singles bracket at this time. RHA and TJHA will vie for the winner's bracket title in doubles competition. In both cases, it will take some time for the losers side to produce a challenger for the championship.

The intramural swimming meet will be held next week on Tuesday, Oct. 5 (prelims) and Wednesday, Oct. 6 (finals). Note that this is a revision from the original schedule. Spectators are welcome!

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# around the miaa

By GREG WEHKING

## UMR 14, EVANSVILLE (IND.) 10

UMR increased their record to 3-1 by defeating Evansville of Indiana. The Miners were losing 10-7 in the third quarter after a 31-yard field goal by Evansville. Jon Falke regained the lead for UMR after a one-yard touchdown run in the fourth period. This is the third win in a row for the Miners. The Miners will host Lincoln University of Jefferson City for their first conference contest this next weekend.

## CENTRAL MISSOURI 13, ARKANSAS TECH 10

CMS remains the only undefeated team in the MIAA after gaining their third win over Arkansas Tech. The Mules led 13-0 until the fourth period when Arkansas Tech finally put some points on the scoreboard. The Mules' first points came late in the first half when Barry Doty hit a 23-yard field goal. In the third quarter, Adrian Andrews added a touchdown with a two-yard run into the end zone. Steve Huff connected on a 43-yard field goal which proved to be the winning points.

Central Missouri will meet with Nor-

thwest Missouri in Warrensburg for their first conference game.

## SOUTHWEST MISSOURI 51, LINCOLN 3

Lincoln was smashed by former MIAA opponent, Southwest Missouri, this past Saturday. The Bears scored 23 points in the third quarter to add to a pair of first half touchdowns. This was Lincoln's second loss of the season which brings their record to 1-2.

Lincoln travels to Rolla to face UMR in their first conference bout of the season.

## DELTA STATE (MISS.) 42, SOUTHEAST MISSOURI 15

Southeast Missouri lost to undefeated Delta State at Cleveland, Miss. Delta, after leading 14-7 at halftime, broke the game open in the second half. Delta scored four touchdowns on four consecutive possessions to put the game out of reach for Southeast.

Southeast Missouri hosts the Southwest Missouri State Bears this upcoming Saturday.

Scores and information for Northeast and Northwest State football unavailable.

### MIAA FOOTBALL

	NON CONF			CONF		
	W	L	T	W	L	T
CMS	3	0	0	0	0	0
UMR	3	1	0	0	0	0
NEMS	3	1	0	0	0	0
SEMS	1	2	1	0	0	0
LU	1	2	0	0	0	0
NWMS	1	3	0	0	0	0

### MIAA SOCCER

	NON CONF			CONF		
	W	L	T	W	L	T
UMR	5	2	0	0	0	0
UMSL	2	1	2	1	0	0
SEMS	3	5	0	0	1	0
NEMS	2	4	1	0	0	0

## Men's Flag Football Standings

### DIVISION I

League 1		League 2	
	W L		W L
Beta Sig	4 0	KA	4 1
Sig Nu	4 1	Phi Kap	4 1
MHA-East	3 1	Kappa Sig	3 1
TKE	3 1	Lambda Chi	3 1
Triangle	3 1	Sig Ep	3 2
RHA	1 3	Tech	1 3
PIKA	1 4	Sig Tau	0 4
Delta Sig	0 4	Sig Pi	0 5
Wesley	0 4		

### DIVISION II

League 1		League 2	
	W L		W L
AEPi	4 1	A Phi A	4 0
Campus Club	4 1	GDI	3 0
Kappa Alpha Psi	2 1	TJHA	3 1
Newman	2 1	Delta Tau	2 1
Vets	2 2	ABS	1 3
Acacia	1 3	Pi Kappa Phi	1 3
CCH	1 3	Theta Xi	1 3
BSU	0 4	Sigma Chi Mu	0 4

## Flag Football Schedule Revisions

	EAST		WEST	
Oct. 12	6:30	*AWS - Chi O	*ZTA - RHA	
	8:00	*KD - White Stars	MHA-East - Wesley	
	9:30	Sig Nu - Triangle	Newman-Kappa Alpha Psi	
Oct. 13	6:30	*KD-ZTA	GDI-Delta Tau	
	8:00	Beta Sig-RHA	Delta Sig-MHA East	
	9:30	Sig Pi-Sig Tau	KA-Tech	
Oct. 14	6:30	GDI-Sigma Chi Mu	PiKA-Delta Sig	

## Intramural Flag Football Schedule

	EAST		WEST	
Oct. 4	6:30	RHA - Triangle	Beta Sig - Pi KA	
	8:00	Sig Nu - TKE	Sig Pi - Lambda Chi	
	9:30	Sig Tau - Tech	Acacia - Vets	
Oct. 5	6:30	BSU - Kappa Alpha Psi	MHA-East - Triangle	
	8:00	A Phi A - Sigma Chi Mu	Wesley - RHA	
	9:30	Theta Xi - Pi Kappa Phi	Sig Ep - Kappa Sig	
Oct. 6	6:30	*AWS - KD	*TJHA - RHA	
	8:00	*ZTA - Chi O	Phi Kap - Lambda Chi	
	9:30	Campus - Newman	CCH - Vets	
Oct. 7	No games played			
Oct. 11	6:30	AEPi - Kappa Alpha Psi	Acacia - BSU	
	8:00	Delta Tau - Pi Kappa Phi	A Phi A - Theta Xi	

## Women's Football Standings

	W	L
RHA	3	0
TJHA	3	1
AWS	2	1
Chi O.	2	1
ZTA	1	1
K.D.	0	3
White Stars	0	4

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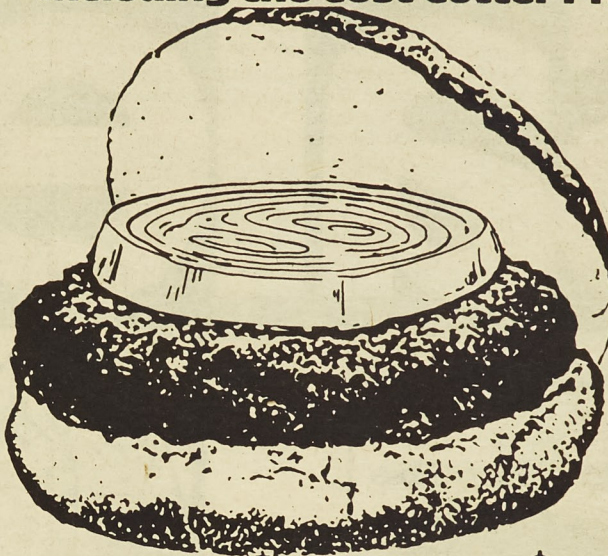
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