



16 Sep 1987

## The Missouri Miner, September 16, 1987

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# missouri miner

Wednesday, September 16, 1987

University of Missouri-Rolla

Volume 76, Number 4

Twenty Pages

Note: The deadline for submissions for next week's Miner is Thursday at 4:30. If this is not convenient, bring submissions to the staff meeting Thursday at 6 p.m. There are no exceptions.  
—Managing Editor

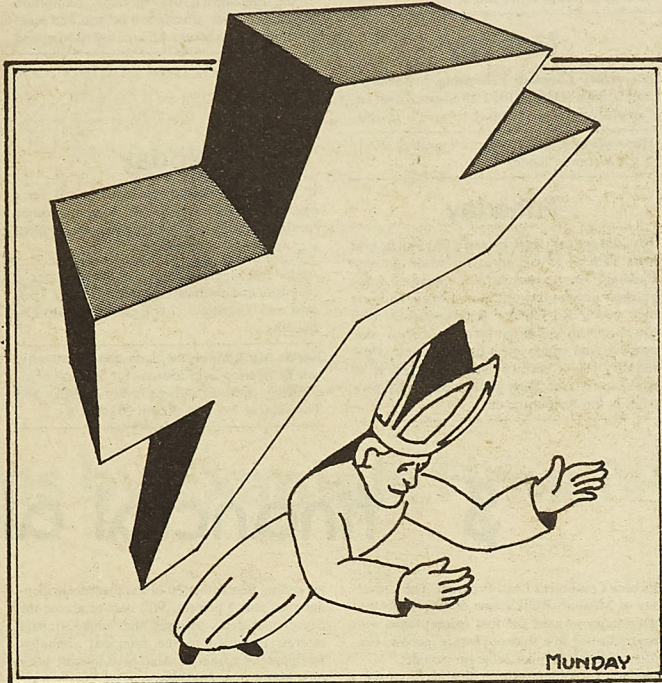
## Rolla students travel to see the Pope, John Paul II

By Jim Harter Editor in Chief

A roadtrip originated in Rolla last Friday at 6 a.m. full of anticipation. Orchestrated by Fr. Charles Pardee it involved eight students from UMR: Laura Mesa, Diane Burke, Robert Phillips, Greg Neubig, Jim Harter, Daniel Schaubroeck, Patrick Gripka, and David Keller, plus Stacie Pottinger from Rolla High School. The journey's destination was New Orleans, and its goal was to see His Holiness, Pope John Paul II.

The 12 hour trip to view Karol Joseph Wojtyla, born May 18, 1920 in Wadowice, Poland, grew exciting, full of anticipation. As bishop of Rome and head of the Roman Catholic Church, he is regarded as the earthly representative of Christ.

This unique individual became a stonemason at the age of 19 to support himself and avoid deportation or imprisonment from the Nazis. During this period he helped Jews find refuge from the Nazis. After a streetcar accident and being hit by a German army truck, he strayed away from the theater as a profession and considered the priesthood. At 26 years of age he was ordained a priest. After earning a Ph.D. in philosophy and theology, he



was named Auxiliary Bishop of Krakow in 1958, and later appointed the resident Archbishop of Krakow in 1964. In 1967, Pope Paul VI exalted Wojtyla to Cardinal. On October 16, 1978, he succeeded Pope John Paul I, whose office lasted only 34 days. As the 263 successor to St. Peter, Pope John Paul II survived an assassination attempt on May 13, 1981. A peerless individual who enjoys hiking, skiing, swimming, soccer, music, and theater, has travelled to more than 60 countries since 1978, more than any other Pope in history.

The Papal visit by John Paul II was his second trip to the United States. New Orleans was his third city on a tour of nine cities in ten days. The Archdiocese of New Orleans is rich in tradition and is the nation's second oldest behind Baltimore. New Orleans offered John Paul II that renowned southern hospitality. New Orleans greeted John Paul II with open arms on the evening of September 11, 1987. A city with diverse culture but recently hit hard economically by the oil crunch was delighted to have His Excellency in their presence. In a dominantly strong Protest-

ant south, New Orleans remains a vibrant Catholic community witnessed by Mardi Gras. The hub of New Orleans, The French Quarter, had a lot to offer as John Paul II toured the area. A street that ran in front of the St. Louis Cathedral in the French quarter was dedicated in honor of John Paul II, Jean Paul Deux.

On the morning of September 12, 1987, his motorcade from the French Quarter to the Louisiana Superdome created a lot of excitement. Spectators were only yards away as John Paul II scooted by in his Popemobile. The aura of John Paul II is something to behold and experience first hand. His ever present smile and gentle waving to the crowd left observers breathless with an overwhelming spirit.

The Louisiana Superdome played host to a youth rally. Over 80,000 spectators cheerfully greeted John Paul II. He addressed the predominately young crowd with current topics that face the youth of our society. His address was stern with occasional inserts of humor. The gathering was captivated with floats from Mardi

see Pope page 8

## Presidential hopeful Gephardt to speak on campus

Submitted by: Gloria Brown

Richard Gephardt's arrival to Phelps County, Rolla on Thursday Sept. 17 is progressing very well according to Gloria Brown, coordinator for the public event. Phelps County and surrounding area residents could not ask for a better opportunity to meet and hear Congressman Gephardt, the Missouri Democratic Candidate for President of the United States.

The public event, to which there is no admission, will be held from 12 noon to 12:20 p.m. at the University of Missouri-Rolla Quadrangle, located north of the University Center-East on 11th and Rolla streets. In case of rain he is scheduled to speak in the



Student Lounge, University Center-East.

Prior to the speech outside by

Gephardt, a fund raiser reception from 11:00 until noon will be held in the Missouri Room, University Center-East. For further information concerning the reception or tickets contact Mel Carnahan 364-5134 or 364-4267.

Parking is being allowed, during the events, on any University lot including those from 9th to 11th streets off State and Park streets. Also, Christ Episcopal Church lot on 11th and Main streets may be used.

Everyone is invited to meet and hear Congressman Gephardt during his time in Rolla. For further information, call 364-0388 or 364-2938.

## CROP walk next Saturday

By Bill McCrary  
Staff Writer

The Rolla chapter of CROP, Christians for Rural Overseas Projects, is seeking walkers, runners and ordinary people to take part in the Rolla CROP walk on Sunday, September 27.

The event is being organized by the Phelps County Local Organization for Various Emergencies (LOVE). This year's theme is: 'The Rolla CROP Walk: Do it with LOVE.'

One quarter of the proceeds earned will go towards helping people in emergency situations who need assistance from LOVE. The

funds will be donated to CROP to help support other self-help projects around the world.

Co-coordinators of the CROP walk are Richard Cavender, the Meramec Regional Planning Commission director, and Jeff Dalton, a UMR student.

Cavender, Dalton and other CROP members have contacted approximately 50 groups in the Phelps County area to ask for their support and participation in the walk. They are also encouraging any and all individuals or interested parties to partici-

see CROP page 8

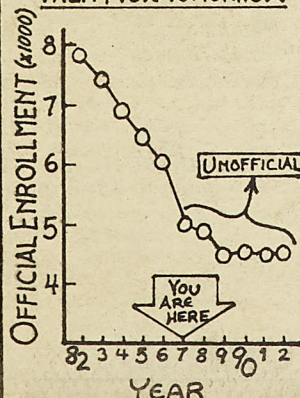
## Enrollment to decrease over next five years

By Randy Richardson  
Staff Writer

"Where is everyone this year?" This question has probably been asked by many people this semester. And according to the Registrar's office, this is a good question. The unofficial enrollment for the 1987 fall semester at UMR is 4,930. Last year at this time the total was 5,308. This decline in enrollment has been the trend for the last five years. According to Carol Heddinghaus, an analyst for UMR, it will continue to be a trend for the next five years with some fluctuations. (See graph.)

Why is there such a decline in enrollment? Ms. Heddinghaus and Ernie Gutierrez, of the News and Publications Office, attribute it to low enrollment in the high schools. Public high schools are not turning out as many

UMR ENROLLMENT  
THEN NOW TOMORROW



graduates, thus there are fewer students continuing their educations in college.

According to Myron Parry, UMR registrar and associate professor of mechanical engineering, registration will continue, and it is expected that an additional 140 to 150 students will enroll. That would bring the total to more than the 5,059 projected enrollment. "The total number is down from last year's count, but this year's freshman class is larger than last year's," Parry said. "The numbers are on line with our projections," he added.

These facts help to explain the noticeable decline in enrollment during the past five years. It is also obvious that the University is aware of the situation.

## Derby Days competitions start today

By John Skiffington  
Staff Writer

During the week of September 14th-19th, the Theta Eta Chapter of Sigma Chi Fraternity will sponsor their 4th Annual Derby Days. This usually means a good time for those who participate, but more important is the cause behind it—Wallace Village.

Wallace Village concentrates on a segment of the population whose needs are seldom realized or met: children with minimal brain damage. An important part of the Village philosophy stresses that these children are not mentally retarded, but rather have suffered specific brain damage which affects specific areas of behavior. In all other areas children are believed to have normal or above normal intellectual potential. It is hoped that most of the children will return to a regular classroom or vocational situation within three to five

years.

Wallace Village has been the Fraternity-wide service project for Sigma Chi since 1967. A majority of the donations originate from active chapter projects, such as Derby Days. Last year the Theta Eta Chapter sent a check for \$500.00 to Wallace Village. This year the goal is \$1000.00.

During the week's activities five teams compete to accumulate the most points. The teams are Kappa Delta, Chi Omega, Thomas Jefferson Hall, Little Sigmas, and Zeta Tau Alpha. The week's events include skits, house decorations, games, and a Derby Day Queen Contest. The Queen Candidates are: Rebecca Brinkley, Kappa Delta; Deirdre McDaniel, Chi Omega; Kathy Stone, Thomas Jefferson Hall; Mary Gasper, Little Sigmas; and Sandra Huellinghorst, Zeta Tau Alpha. Good luck to all the teams!



# calendar of events

## Wednesday

Beta Chi Sigma smoker, 6:30-8 p.m. former Boy or Girl Scouts or those interested in Scouting are invited to an informal "Smoker" at Schuman Park (14th St. Pavilion). In case of rain, we will meet at Sigma Phi Epsilon, 801 Park St.

AEG meeting will be held in Room 204 McNutt Hall at 7:30. Speaker to be announced, free refreshments following meeting. Everyone is encouraged to come. \$5.50 student membership, \$25.00 national membership.

Formal pledging for Alpha Phi Omega (APO) will be held at 7 p.m. in the Mark Twain Room, University Center-East. Pledges should be there at 6:45 p.m. There is a \$20 pledge fee which may be paid at that time. Dress is formal (coat and tie, or dress).

Sigma Xi luncheon meeting, "Modern Day Reproduction and Analysis of a 2,000-year-old Cretan Windmill," Dr. Stewart Stanton, noon, Mark Twain Room, University Center-East. Dutch treat.

Men's soccer, Washington University, 7:30 p.m., soccer complex. Free.

## Thursday

Intercollegiate Knights will have its smoker at 6:30 in the Missouri Room.

Intercultural Club will be holding its first meeting of the semester at 3:30. Dr. Lance Haynes will be speaking on intercultural communication. Look for flyers on campus announcing location. ICC is a student club promoting cultural understanding and is open to all faculty and students. We have several activities planned for the semester—so take a little time and open your eyes to the world around you.

Intervarsity Christian Fellowship is holding a weekly Bible Study at 627 TJHA, at 7. Everyone is welcome to attend.

The UMR College Republicans Club will hold its first meeting of the semester at 7:30 in Room 111 of the Engineering Management Building. The meeting will feature a one-hour videotape, "No Place to Hide," relating to terrorism, its goals, and its sponsors. If anyone needs further information, call Tim Scott at 364-1490. There will be a membership and publicity table near the Hockey Puck the morning before the meeting.

There will be a Trap and Skeet Club meeting in EE104 at 6:30 p.m. Everyone is welcome.

Physics colloquium, "Electron-Impact Ionization of Laser Excited Barium," John C. Nickel, University of California-Riverside, 4 p.m., Room 104 Physics. Free.

UMR Film Series, *Crossover Dreams*, 7:30 p.m., Miles Auditorium, Mechanical Engineering Building. Admission by season ticket or \$3 at the door.

## Friday

Intervarsity Christian Fellowship invites everyone to attend their general meeting on Fridays, 7 p.m., in Room 139 Chemical Engineering Building.

Kappa Mu Epsilon, the national math fraternity at UMR, will be having a picnic at Schuman Park starting at 4 p.m. All active members, faculty of the math department, and students wishing to pledge KME are invited.

## Monday

Intervarsity Christian Fellowship is holding a weekly Bible Study at 101 15th Street, Town and Campus Apt. G, at 7 p.m. Everyone is invited.

There will be a GDJ Governor's meeting at 6:15 in the Meramec Room.

## Tuesday

The 20th annual UMR Industry Day will be held from 10 a.m. to 4 p.m. at the Multi-Purpose Building. Approximately 50 companies doing business in Missouri will have displays showing their goods and services. Representatives from the businesses will be on hand to discuss their products and employment opportunities. UMR Industry Day is open to the public. There is no admission charge. Door prizes are awarded periodically throughout the day.

## Next Wednesday

USAF Band and Singing Sergeants, 8 p.m., Multi-Purpose Building. For tickets or further information, contact Alan Davis, G-10 Harris Hall, 341-4698.

The Society of Manufacturing Engineers, a technical society dedicated to advancing scientific knowledge in the field of manufacturing, will hold their first meeting of the semester at 7 p.m. in the Engineering Management Auditorium. Nominations for officers will be held and memberships will be taken. All are invited to attend.

## Noday

If you will be completing requirements for a degree next May, you should make application for that degree by going to the Registrar's Office at your earliest convenience.

Alpha Chi Sigma/Omega Chi help sessions in chemistry and chemical engineering classes, Tuesdays and Thursdays, 7-9 p.m., 126 Chem Eng Building.

Kappa Mu Epsilon, the math honor fraternity, will be offering help sessions for algebra, trigonometry, calculus, diff. eq. every Tuesday and Thursday at 7-8 p.m. Room 203 M-CS.

The UMR Parents' Association is seeking nominations for its 1987 "Parents of the Year." This year's winners will be honored during halftime of the Parents' Day football game Saturday, Oct. 24. According to Larry Allen, assistant director of alumni and constituent relations, the UMR Parents' Association is expanding its Parents of the Year competition for 1987 by opening up the nominating process to all interested persons or organizations. Previously, nominations have been accepted only from UMR students. This year, all UMR students, academic and administrative departments, fraternities, sororities, student organizations, as well as faculty members and other interested persons are eligible to nominate parents. The only requirement is that the nominees be the parents or legal guardians of a student attending UMR full-time during the 1987 fall semester. Entries, which must be limited to 500 words or less, should detail the parents' qualifications—what they have done for their hometown, UMR, UMR's students or a campus group. The entry must include the name, address and telephone number of the parents being nominated, as well as the name, address and telephone number of the person or organization making the nomination. All entries must be sent to Allen, Parents' Association, Alumni/Development Office, 107 Harris Hall, UMR, by 4:30 p.m. Monday, Oct. 12. No late entries will be accepted. For further information contact Allen, phone 341-4145.

# \$ financial aid \$

## PERSONAL RESOURCE DEVELOPMENT PROGRAM

### GET INVOLVED!

Your grade-point average is important to employers but it is not the only criterion considered in selection among potential employees. Employers look for individuals who possess interpersonal skills that enable them to work effectively with others in accomplishing tasks. They are also interested in individuals who they believe will become involved with their organization, and will be active contributors.

These abilities can best be developed and perfected by interacting with others in some of the activities available to you as a student. Tuesday, Sept. 22 from 3:30 to 4:30 p.m. in the Meramec Room, University Center-East, Ms. Linda Martin will discuss how you can increase employment options by participating in non-academic programs and activities.

**Income Contingent Loan Program.** The University of Missouri-Rolla is one of 10 colleges and universities to issue the first federal loans with paybacks tied to a student's future income. Features of this loan pilot program include: Eligibility Requirements: Available to students who do or do not have a demonstrated financial need. An ACT Family Financial Statement must be completed to determine eligibility. Available to U.S. citizens and permanent residents only. Available to undergraduates only. Must be at least half-time enrolled.

Annual Maximum Loan Amounts: \$2500 for a freshman or sophomore; \$3500 for a junior; \$4500 for a senior or fifth year student. Interest: A variable rate based upon the equivalent rate of the 91 day treasury bills for the quarter ending September 30 of the preceding calendar year plus 3 percent. Will start to accrue the day the students receives the funds. Unpaid interest is added to the principal annually. Recommended that student pays interest on a monthly or quarterly basis.

Repayment: Begins 9 months after students ceases to be enrolled at least half-time and will be based on percentage of opening ICL balance, not to exceed 7 percent. Future payments would then be based upon the student's (and spouse) adjusted gross income on the most recent federal income tax return. (Payments will be no more than 12 percent of the adjusted gross income.) To inquire about receiving funds under this loan pilot program, contact UMR's Student Financial Aid Office, 106 Parker Hall, phone 341-4282.

All students who wish to be considered for additional need-based aid (work and/or loan) for the 1987-88 academic year, F-87 and/or W-88 semester) should sign up in the student financial aid office, 106 Parker Hall, from Sept. 21 through Oct. 1. This assistance will be distributed based upon a student's remaining need, and in order to be considered for this aid, you must have completed a 1987-88 ACT Family Financial Statement.

**Knights Templar Education Loan Foundation.** Amount of Loan: \$2500 (when one scholastic year is required to complete), \$1500 (when two scholastic years are required to complete).

Details of Loan: The Knights Templar Education Foundation is a non-profit organization created for the express purpose of assisting students in obtaining a college education. The Missouri Division is part of a national organization and can loan only to residents of Missouri. The Fund, as established, is a Revolving Fund. New loans are possible only when money is available through repayment by former students. For this reason, loans are made only to students who have two years or less remaining before graduation. The money cannot be out more than two years before repayment begins. There is no interest while the student is in school and simple interest at the rate of 5% beginning on the day of graduation. The loanee is given a four-year repayment schedule at that time. Loans are made without regard to race, creed, or religious background.

Qualifications for Loans: 1. Must be Missouri resident; 2. Must be 3rd or 4th year student (can be graduate student); 3. Must furnish two guarantors or co-signers (Missouri residents). How to Apply: Obtain application and instructions from: Bruce H. Hunt, Secretary-Treasurer, P.O. Box 188, Kirksville, MO 63501.

## Missouri Miner

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

**Submissions for publication** must be in our drop box (first floor of the Rolla Building) by 4:30 p.m. on the Thursday before publication or may be brought to the staff meetings at 6:30 p.m. on the same Thursday.

**Advertising information** may be had by contacting the Advertising Director at 341-4235.

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## PERSONAL RESOURCE DEVELOPMENT PROGRAM

### TIME MANAGEMENT WORKSHOP

Time is the most important, and limited, resource that we have. We all have an equal amount of time each day, but some people use their time more effectively than others. Students seem to have a limitless number of things that need to be done as well as many things that they would like to do.

Dr. Wendell Ogorosky will discuss various time management techniques to enhance personal and academic success on Thursday, Sept. 24, from 3:30 to 4:30 p.m. in the Missouri Room, University Center-East.

## Student Union Board presents

### MOVIES FALL SEMESTER 1987

Sept. 18 & 19  
Sept. 25 & 26  
Oct. 1 & 2

Oct. 6  
Oct. 9 & 10  
Oct. 23 & 24  
Oct. 30 & 31  
Nov. 6 & 7  
Nov. 13 & 14  
Nov. 20 & 21  
Dec. 4 & 5  
Dec. 11 & 12

*Running Scared*  
*The Raiders of the Lost Ark*  
*Hustler*  
*The Color of Money*  
*Something Wild*  
*Crocodile Dundee*  
*Young Sherlock Holmes*  
*North By Northwest*  
*Top Gun*  
*Star Trek IV*  
*Ferris Bueller's Day Off*  
*The Good, The Bad and The Ugly*  
*Blind Date*

All movies are shown in M.E. 104.  
Friday at 6:00 and 9:30 p.m.  
Saturday at 6:00 p.m.

Free with UMR ID

## Commonwealth

FORUM TWIN  
1101 E. 18th ST.

THE PRINCIPAL (R)  
7 & 9 p.m.

ROXANNE (PG)  
7:10, 9:10

UPTOWN  
11th & PINE ST.

STAKEOUT (R)  
7 & 9:15

RITZ  
809 ROLLA ST.

HELLRAISER (R)  
7 & 9 p.m.

MOVIE HOT LINF 341-2418



# comments

## Persuasion, Logical Fallacy, or Complete B.S.?

By Marcia Waggoner  
Staff Writer

"Strong Persuader" is a recent popular album by Robert Cray. However, most of us have probably met a strong persuader of a different sort—someone who has the knack of getting you to agree with him, even when you're not sure that he's right. Some of the techniques used by such talkers (and writers) are common enough that they've been identified and defined as logical fallacies. Such fallacies occur when the conclusion does not necessarily follow from the given premises, even though it may appear to.

One trick your local "strong persuader" may use is the simple question, "Why not?" The implication is that if you can't think up some reason right away, then their argument must be true. It just might be. But it may not. Lack of evidence to the contrary is not enough reason to base a major decision on.

Related to the "Why not?" trick is the false dilemma. Usually two options are stated, then one of them is proven to be ridiculous. If you

believe that those are your only two options, then you will "have" to pick the other one. The implicit suggestion is that all of the options are given, when in fact they are not. A famous one, sometimes used in police interrogations, is "If you've got nothing to hide, then you won't mind being asked personal questions." This makes it seem that if you do mind, then you have something to hide, which means you're probably a criminal. This argument overlooks the fact that personal information can be used against you, and some people are just not into talking about themselves.

Another false dilemma I've seen a lot of lately is Conservatism vs. Liberalism and all the implications that go along with each position. This is especially prevalent in the Iran-scam controversy. It seems that you have to say that either Reagan was acting completely in our country's best interests and did nothing wrong, or that he's an absolute criminal and ought to be impeached. Obviously, both these stands are wrong, but controversies like this tend to polarize that way. I don't believe in false dilemmas and don't think that anybody should. They lead to everyone overlooking what really happened or what should be done.

## UMR Teaches by Example How NOT to Run a Business

By Bob Hansen  
Staff Writer

During the past five years, enrollment at UMR has been on a steady decline. According to the registrar, enrollment projections continue to show a decrease for the next five years. While it is clear the administration is aware of the situation, what is being done about it?

Because of the enrollment, the residence halls became less populated. To adjust to the problem, the "Freshman Live-In" rule was created. Unfortunately, this was insufficient to correct the problem. Next, two buildings of the Quad were converted to TA offices...still not enough. Most recently, all but two of the remaining buildings of the Quad were closed including Rayl Cafeteria.

Next, new facilities were built. The campus now has a new police office and health center. These were built at the same time the new McNutt Hall was under construction. Of course, the newest plans include a new alumni

auditorium to be constructed south of the Chemical Engineering building. All of these facilities will be built so that fewer students can occupy more space.

Possibly the only action that appears relevant, is the elimination of most student parking. With fewer students enrolling it might be assumed that less parking would be needed. If this assumption was made, one important factor was overlooked. We didn't have enough parking to start with! As pointed out in a previous *Miner*, the University's response was, "Change gold lots to red lots, shuffle the numbers, and raise the fee."

Well, now it should be perfectly clear. When we are running our own company, our business drops off for five years, and we project further decreases in the future, we should: tell everyone we know what's going on; make public our projections for the future; close several of our old buildings; construct new buildings for what remaining clientele we have; take away customer parking; pass the cost on to the consumer; and hope nobody notices.

## letters to the editor

Dear Editor,

I want to congratulate your staff writer, Cordell Smith, on a very good and timely article on the Iran-Contra Scandal. When will the liberals take note about what most Americans believe in? i.e. that the communist insurgency in Central America must be stopped at ALL costs. Furthermore, the Central American Peace Plan must not stop our resolve to keep alive the freedom fighters in Nicaragua. Although it would be fantastic if peace came to that region, one must recognize this will never happen unless the people of Nicaragua are free to choose their own form of government, a democracy. I have never heard of a communist regime ever allowing, of its own free will, itself to become a democracy. This simply doesn't happen. Communism is based on expansion and world domination, not on appeasement and forfeiting land. Therefore, the U.S. government should push hard for more funds to the Contras, our freedom fighting allies. And, if the Congress doesn't approve military funding this fall, President Reagan will be left with two choices: either to blame Congress for allowing Nicaragua, and thus Central America, to go commu-

nist, or send U.S. troops in. Of course, the latter means the shedding of blood, but the price of freedom is expensive. To me, it is far easier to justify sending money and arms to people who want to fight for their country instead of the U.S. doing it for them.

In any event, the liberals and left-wingers will have an impact on the decision.

—Seth Brundel

Dear Editor,

In response to the article about the closing of Rayl Cafeteria, it is my opinion that Mr. Calandro and Mr. Jones need to spend more time on research and less time on assumptions.

It is true that students must eat breakfast and dinner in the University Center East, but the article also states, "However, they do have the option of having lunch in the overcrowded Deli across from the bookstore."

Any Quad resident can explain that most of us do not choose to eat in the Deli, but that we have nowhere else to go. Our regular meal plan is not honored in the UCE Cafeteria at the noon meal. We can choose to eat there, but must use points or cash.

At the moment, the hike to campus for dinner is not bad. However, with rain, cold, and the threat of snow in future months, the residents of the Quad are reluctant to say we like the idea.

Beginning September 21, Rayl is

going to be open for continental breakfast and dinner, however, for lunch we still will be required to use the all-purpose Deli.

In conclusion, I feel the sentence, "We can probably assume that the closing was initiated..." is in very poor

taste. Assumptions do not belong in a news article, especially the lead story of the paper. If you cannot give the pure facts, you should not print anything at all.

—Barbara Bird





# Sigma Chi



# Derby Days

FEATURING  
music by  
BIG FUN

SEPT. 19  
8-?

cups & shirts available

1310 PINE

364-1433

## The Milk

By: Tracy B.  
Staff Writer

continued  
the Miner

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## UMR

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# features

## The Board

### Milk and Cookie Boys?

By: Tracy Boland  
Staff Writer



continued from last issue of the Miner

Laura had stopped on page 18. "You guys sell flatware?"

Andrews was non-plussed. "Sure. A lot of UMR newlyweds can't afford real silverware, when they're just starting out, but with our shamrock stainless, not only can they entertain, they can also be reminded of the first days of their love that began at UMR every time they eat."

"Wow, how romantic."  
"We like to think so."

But Laura was still paging. "What's this shuffle business?" She pointed to an item.

"Oh, you mean the Shamrock shuffle. That's a rap song the Reps perform, written especially for us by Run-D.M.C. We're going to release it nationally at a strategic point next year, so it should be number one on the charts by St. Pat's Day. We just finished wrapping up the video. That won't be available for another month, but you can buy the cassette now for \$5.95."

## UMR to offer courses in London

Source: News and Publications

The University of Missouri-Rolla, through the Missouri London Program (MLP), will offer three credit courses in London from Dec. 27, 1987, to Jan. 10, 1988.

Participants in these intersession courses will enroll for only one of the courses and will receive full credit and transcript from UMR. The courses offered are two credit hours each and can be used for credit toward graduation. The program is open not only to UMR students but also to townspeople who may also register as hearers or for credit.

The three courses and the faculty teaching them are:

History—A Medieval Window. Dr. Wayne Bledsoe, UMR professor of history and Dr. Harry Eisenman, UMR associate professor of history. This team-taught course will explore the Gothic cathedral as a symbol of the medieval era in Europe. It will use these structures to portray the medieval world from the perspective of art, culture, history and technology.

London Art. Dr. Samuel Bishop, Southeast Missouri State University. A study of the great masterpieces of art located in the museums of London.

English—Shakespeare Page to Stage. Faculty to be announced. A small supplemental fee may be charged for theatre performances associated with this course.

The program includes time for personal sightseeing as well as guided tours which include visits to Windsor

"I've got to hand it to you Reps. This is really impressive," Laura said, still turning. "This is not what I expected at—I don't believe it! cookies?!"

"Oh, yes. Board Rep Cookies are going to be sweeping Missouri. We have all the regular flavors: peanut-butter, shortbread, chocolate-covered mint, plus a new beer flavored cookie we think will be popular."

Laura nudged Alan. "Isn't this unbelievable?"

When Alan made no response, Laura looked at him closely and noticed that he was in a daze.

"Alan, Alan," she said as she poked him.

"Alan, psst, Alan, wake up," Fred hissed in Alan's ear. "You're falling over."

"Huh, what?" Alan jerked awake, sat up in his chair, and looked around. The Professor was still droning on, oblivious to the fact that half the class was comatose. Outside, Alan could see that two Board Reps had cornered a Baby Rep near the Puck, and were force-feeding him bumper stickers.

A dream, it was all a dream! He thought. Hooray! Drunken debauchery refuses to knuckle under to capitalism.

And with that, he let his head sink back to rest on his chest and nodded back off to sleep.

My dreams have been getting weirder and weirder, thought Pam Ewing. First Bobby and now this. I had better make an appointment with a therapist tomorrow.

And with that, she let her head sink back into the pillow and nodded back off to sleep.

Castle, Buckingham Palace, Westminster Abbey, Trafalgar Square, St. Paul's Cathedral, the Tower of London, Oxford, Stratford-on-Avon and a full day excursion to the city of Bath and to Stonehenge, England's ancient megalith.

Cost of the program includes regular UMR fees plus a non-academic program fee of \$1,399 which includes round-trip transportation from St. Louis or Kansas City; airport transfers and taxes; accommodations in London; luncheon vouchers which can be used for breakfast, lunch or dinner in restaurants all over London; cultural and social activities; and course-related excursions.

Social and cultural activities to support personal or academic interests include visits to museums and galleries, West End theatre performances, rock concerts, walking tours, day excursions and many others. Also available will be several optional weekend tours.

Non-academic fees for the December/January intersession are due by Nov. 1. Students eligible for financial assistance at UMR may be able to apply this aid to the MLP. Also available for the spring semester are two \$500 scholarships to assist with the cost for students that qualify.

For information about academic details and an application booklet, contact Dr. Wayne Cogell, director of MLP, G-4 Humanities-Social Sciences Bldg., UMR, phone: 341-4869.

## Bugs hold vengence against UMR student

By Jon Groves  
Staff Writer

I don't know what it is, but I can't stand bugs. Ever since I can remember I have hated them. Spiders, flies, wasps...if they crawled or buzzed, I would kill them. A fly wouldn't last five minutes with me in the room.

One thing I've noticed is that when I am anywhere where bugs are, the insects always seem to find me. There may be a hundred people out there, but they always come to me. It doesn't matter if I've killed the last five insects that have landed on me; one more will crawl on me. It's like they have a vendetta against me.

I have my defenses though. I can slaughter an entire roomful of flies with my fly swatter. Or a newspaper. Or my Physics book, if I'm really ticked. Another great defense is a can of insect killer. That stuff is great; you can see the bugs fall right out of the air. Or watch them squirm on the ground as they feebly try to hold on to life.

\*\*\*

Today started normally. I woke up;

not to the sound of my alarm, but to the buzzing of a fly. I grabbed my fly swatter (which is on my night table for easy access) and spent five minutes chasing that little scum until I got him.

It was weird though. I didn't think about it at the time, but it was mid-November. Where did that fly come from? Are they hibernating in my apartment? I'll find them if they are.

I went to the kitchen and there were five flies in there! What the hell. They must be hibernating. I got out my trusty can of KILL! insect spray, and watched those five fall to their deaths. When will they learn that they're always going to lose to me?

Work passed by uneventfully. There were two flies; but that was over the course of the entire day. I got both of them too. It was strange though; as I killed them (with my newspaper) I could smell KILL! It just wasn't a whiff, either, it was a strong distinct odor. After they died, it went away. Weird.

I stopped by the store to pick up two more cans of KILL! I was going

to need them to get those hibernating ones. As soon as I walked into the store, a strong blast of KILL! smell hit me. It wouldn't go away. I figured when I'd exit the store it would go away.

It didn't. When I got home, I could still smell that stuff. It was probably on my clothes. I went to go wash them, but when I opened the washer, six flies came out. That's where they must be hiding. I killed those six with a quick shot of KILL! and then fumigated the entire laundry room. I couldn't see any more bugs, but I knew they were there.

An hour later, I finally washed my clothes, but I could still smell insect killer. I took a shower, but that didn't help. The smell wouldn't go away.

It's still with me here now. I don't know what the deal is. Every now and then a fly comes by, and I kill him. I know it's weird, but before he dies, I can hear laughter. Like he's laughing. I can still smell that stuff, and I can still hear the laughter. It won't stop until I get them all. Every last one of them.

## Board counting Daze til Septemberfest

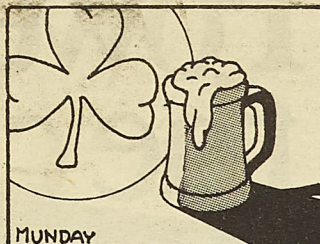
By Chris Layton  
Staff Writer

The week is coming to an end and in three days the "10th Annual" Septemberfest will be underway. The festivities go from 11 a.m. to 4:30 p.m. The St. Pat's Board encourages you to ride the busses to Lions Club Park so you don't have to drive. There will be a \$10 parking fee at Lions Club Park. Busses will be running from the EE building, Multipurpose building, and Frat Row to Lions Club Park.

This Friday the St. Pat's Board will be holding the "Psych-up for Septemberfest" at the Cavern beginning at 9:00. Come on out and join the fun while we count down the hours til the "Best Septemberfest Ever."

Then, bright and early (11:00) Saturday morning, the fun begins at

Lions Club Park. This year we have an obstacle course which will consist of four people to a team. Each person



will run a separate leg of the course which includes running, jumping, boat racing, climbing trees and casually

drinking a few along the way. Organizations will be able to earn points towards St. Pat's '88 for winning and entering a team in the obstacle course. First place will receive 25 points, second place will receive 10 points, and third place will receive 5 points. You can also earn 1 point just for

entering a team in the competition. Among other attractions "Alpha", a rock band straight from St. Louis, will be providing entertainment for the afternoon.

We also encourage you to buy your Septemberfest button in advance for only \$3.00. Buttons will be \$4.00 at the gate so buy your buttons now. Let's get psyched up this semester because in only 183 days the "Best Ever" will be here.



The 1987 UMR Cheerleaders Squad Front Row: Jenni Peterson. Middle Row:(left to right) Kathy Reinhardt, Beth Cook, Michelle Milton, Kelly Jozwiak, Tina Casto, and Debbie Murphey. Back Row (left to right) Mark Anderson, Dale Vehlewald, Todd Davidson, Bill Rodewald, Dan Gualtieri, and Matt Johnson.(Photo by David Libiez)



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Ladies' Night—Thursday  
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## Equinox to be Sept. 23

Source: News and Publications

The autumnal equinox is Wednesday, Sept. 23, and the equinoctial sunrise and sunset may be viewed at the University of Missouri-Rolla's replica of Stonehenge, which is located near Highway 63 South and St. Patrick's Lane.

According to Dr. Joseph Senne, UMR professor emeritus of civil engineering who did the astronomical calculations for UMR Stonehenge,



the equinoctial sunrise will be at 6:55 a.m. and the equinoctial sunset at 7:03 p.m. The official time for the equinox (when the sun crosses the equator) is 8:46 a.m.

"The true position of sunrise can be observed by standing on the UMR Stonehenge marker in the center of the monument and sighting above the notch on top of the east compass stone, while the true position of sunset can be observed by sighting above the notch on top of the west compass stone," Senne explained.

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(A division of Student Council's Recruiting Committee)

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To recruit a significant amount of excellent new students for the University of Missouri-Rolla for the academic year 1988-89.

### Goals to fulfill SAA's purpose:

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- Visit hometown high schools.
- Attend "Rolla Night" in St. Louis.
- Attend the chancellor's recruitment banquets.
- Send letters to national merit scholars.

### Benefits of SAA:

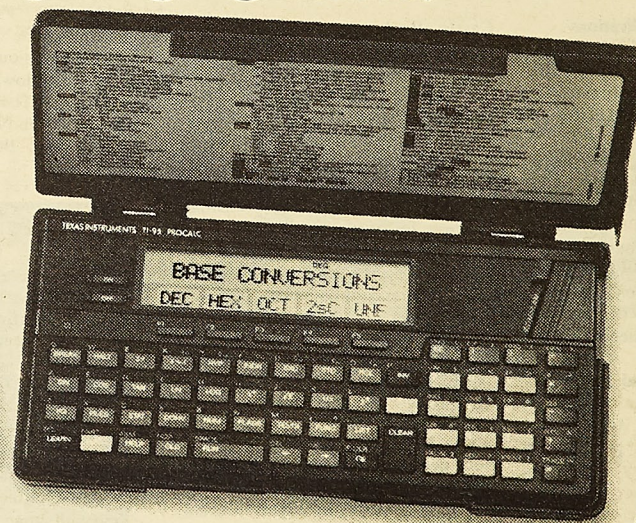
- Improvement of communication skills.
- Meet and speak to many interesting people.
- Personal satisfaction of recruiting quality students.
- Looks good on a resume.

Applications are now available at the Student Council office (202 University Center-West). All applications must be returned on Friday, September 18 by 5 p.m.

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stration of our power tools. They build such a strong case for themselves, our competition doesn't know what to make of them.

**TEXAS INSTRUMENTS**



# sports

## Missed chances leave UMR short in opener

By Mark Buckner  
Staff Writer

The Vikings of Missouri Valley upset the Miner football team last Saturday in the Miners' home opener, 13-10. This evens the Miners' record at 1-1, as UMR won its first game over Missouri Western by a score of 19-7.

The key factors in Saturday's game were missed chances to get into the end zone and some crucial turnovers by the Miners.

The only lead UMR had for the entire game came midway through the first quarter. Jim Zacny kicked a 26 yard field goal to give the Miners a 3-0 lead. But the second quarter was like a bad dream for the Miners.

The Miners were moving the ball very well before they fumbled the ball over to the Vikings. Later in the quarter, the Vikings fumbled and lost the ball on their own 19-yard line. Four plays later, the Miners had a fourth down and one at the 10-yard line, and instead of settling for just three points, the Miners went for the first down.

The Miners couldn't get the extra yard they needed and that seemed to give Missouri Valley a big boost of confidence. On a second down and eight from their own 12, the Vikings' running back Brian Clayton ran up the middle, broke two tackles, and then outran the rest of the Miner defense for an 88-yard touchdown run. The Miners just couldn't completely recover after that.

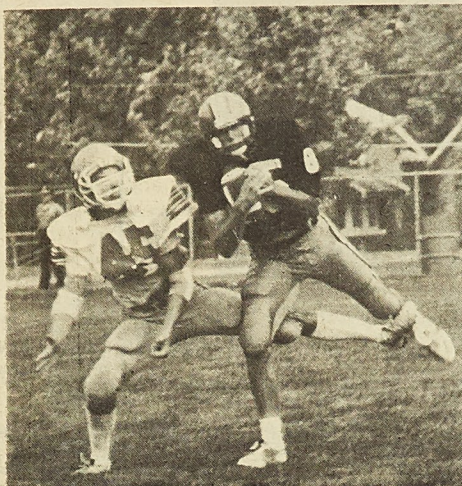
The Vikings' second touchdown came after Miner quarterback David Andrzejewski threw an interception. Missouri Valley quarterback Steve Slate hit Mike Polk for a 35-yard TD pass.

After a UMR interception by Bret Riegel in the third quarter, the Miners moved the ball all the way down to the Vikings' six-yard line. Just when it looked like the Miners were going to score again, running back Mike Vehige was hit and fumbled the ball over to the Vikings.

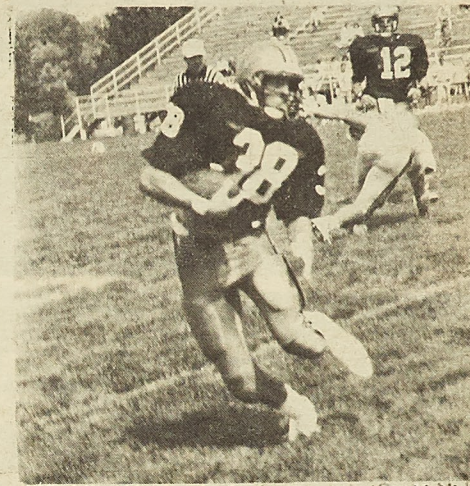
The Miners did get a late touchdown with just over 2:30 left in the game, on a nine-yard TD run by backup quarterback Ty Dinsdale. What contributed to the touchdown the most was a 45-yard punt return by John Meyers down the Vikings' 17. The Miners had one more chance to tie or win the game, but UMR wasn't able to gain any yards, and the game was over.

The Miners had 17 first downs while the Vikings had only seven. Vehige led the Miners with 54 yards rushing on 15 carries. Andrzejewski completed 9 of 19 passes for 94 yards and Dinsdale was 7 for 15 for 101 yards.

Wide receiver Ron Reimer suffered a foot injury in Saturday's game and may miss the next two games due to this injury. Chris Hawkins had a terrific game with 11 catches for 135 yards. This Saturday the Miners will be in Kansas against Pittsburg State, and the following Saturday they will be at home against Evangel.



Chris Hawkins brings down one of his 11 catches. Hawkins' 135 yard total was a bright spot in the 13-10 loss



#38, Mike Vehige looks for an opening. Vehige went 54 yards in 15 carries. (Photos by David Libiez)

### Women's Soccer

## Highlights from U. of Tulsa game

By Tracy Boland  
Asst. Sports Editor

The Lady Miners overcame a number of obstacles en route to a heart-breaking 3-3 draw last Monday with the University of Tulsa. Among the disadvantages UMR faced were a short roster allowing no substitutions and the fact that the team is, in

essence, composed of sophomores and freshmen.

The problem of lack of depth on the team reared its head about 25 minutes into the match when Michelle Ditton left the game momentarily to attend to an ankle injury. As there were no substitutes on the bench, the Miners played a 10-person field while she was off and Tulsa took advantage of their extra player by scoring. UMR came right back, though, when Mary Gasper converted on a Tulsa pushing penalty three minutes later. The Miners took the lead with roughly 14 minutes left in the half when freshman forward Teresa Dickenson crossed the ball to fellow freshman forward Lisa Giblin, who sent the ball in for her first official goal as a Miner.

Tulsa refused to stay down, however, as a fleet-footed forward intercepted a pass from defender Gina Dressel to goalie Greta Stromburg about 25 minutes into the second half. She was then able to take the ball past Stromburg for the tying goal.

But again Giblin, obviously inspired by her previous goal, came through for the Miners with what Coach Paul McNally described as the play of the game. Upon receiving a pass down the right side from defender Lisa Burwell, she took the ball to within 25 yards and boomed a shot that sailed past the Tulsa keeper to the opposite post and into the goal.

It looked as though UMR would emerge victorious, but a ball flicked into the Miner goal with a mere ten seconds left in the game salvaged some pride for the Tulsa team.

Despite the depressing ending to the women's first official game of the season, McNally had plenty of good things to say about the team's underdog effort. "They play very well for their first time out." The women played their hearts out against a difficult opponent, and really gave 110%. I am expecting good things in the future, as long as we can keep people healthy."

## UMR Ruggers open against the Falcons

By Chip McDaniel  
Staff Writer

The UMR Rugby Club will be opening its fall season this Saturday at 12:30 with a match against the St. Louis Falcons. The game will take place at the Langenberg Rugby field in Forest Park in St. Louis. Anyone planning on being in the St. Louis area over the weekend is invited to come support the team and socialize after the match.

Returning from a third state championship, which was won with overtime kicks against Mizzou last spring

in the Langenberg Collegiate Tournament, the UMR team is hoping to use this fall season as a training and building time. Many of the club's veteran players will be leaving at the end of this semester. Keeping the team at a state-wide competitive level will require that younger players be brought up to pace quickly. Although this sounds like a tall order, team captain Al Bess expresses confidence: "We have some very good talent out now waiting for a chance to take a starting position. Some of the guys already have several semesters of

experience here at UMR, and we've got a couple of new transfer students who have played for other clubs. Rugby is a game of experience. With the players we have, I'm not overly worried. Two years ago, we were in the same position. Most of our regular starters had graduated and we younger guys had to fill the gaps. They were worried that we couldn't do the job, but I think we've proven that we could. I think the same thing will happen again."

The team has been practicing since the first day of the semester. Some of the players worked out over the summer with clubs in St. Louis. All this, combined with strong team camaraderie, should make for a successful season. The St. Louis Falcons are one of the strongest teams in the area and will undoubtedly provide a tough, physically demanding game. UMR hopes to be able to learn from the match and hone their techniques as they gear up for their annual Homecoming match versus the UMR rugby alumni players and the all-important Halloween match versus arch-rival Mizzou.

Because collegiate players come and go with differing graduation dates, the Rugby Club is continually looking for new players. Contrary to common belief, physical size and strength are not absolute requirements in rugby. The requirements for the differing positions vary greatly. Often quickness and speed are more valuable than sheer bulk. If you are interested in finding out more about the team or the club, contact captain Al Bess at 364-8074.

## MIAA Coach's poll predicts football Miners fifth of six

By Tom Duggan  
Sports Editor

Recently released results of the MIAA Football Coaches' Preseason poll predicted UMR would finish fifth. Last year's winner, CMSU, is predicted to repeat.

The poll was based on each head coach's prediction on the order of finish of the six MIAA football schools. Each place was assigned a point value in reverse order. For instance, Central Missouri received 6 points each for the two coaches that picked them to finish first, for a total of 12 points. Likewise, they got five points each for three second place predictions. Oddly enough, they also were picked to finish last by one

coach, bringing their total to 28 points.

The complete standings in the poll were Central Missouri first, Northeast Missouri second, Southeast Missouri Third, Northwest Missouri fourth, UMR fifth, and Lincoln sixth.

Four coaches predicted UMR would finish fourth, while none thought the Miners would do better than third. Last year's poll placed the Miners fourth, which is where they finished, with a 2-3 record in the conference.

UMR opens conference play at home against CMSU in the Homecoming game October 10 at 1:30 p.m. CMSU was the fifth place pick last year and won the conference with a perfect 5-0 record.

## Cross Country men exhibit unity in Cougar Classic

By John Stetzer  
Staff Writer

The UMR Men's Cross Country team continued their season Saturday, competing in the Cougar Classic at Southern Illinois University at Edwardsville. Racing against about 160 other runners from as far away as the Air Force Academy, the Miners finished 8th out of the 16 teams represented at the meet.

Leading the way for the Miners for the second straight week, Ron Rosner was the Miners' only medalist on the 8000 meter (5 mile) course, with a time a 27:02. He was followed by John Conrad, who finished second on the team, moving up from third last week. Jeff Balmer, despite a minor foot injury, continued to improve, moving into the team's third place spot with a time of 27:23. Next came Tim Bauer, running a strong race but

moving down two spots from the previous week. The Miners' top five was completed by sophomore and returning letterman Tim Cross, who improved his time over two minutes from last week.

The Miner runners were not completely satisfied with their performance, but were pleased with the closeness of their squad. Their top five finished within 50 seconds of each other, and their top eight were finished within a minute and a half. The 6th through 8th runners helped each other along and finished the race together.

The Miners are looking forward to next week, when they will run a 10,000 meter course against some tough NCAA Division I competition at the University of Kansas Jayhawk Invitational.

Note: Intramurals appear on page 17



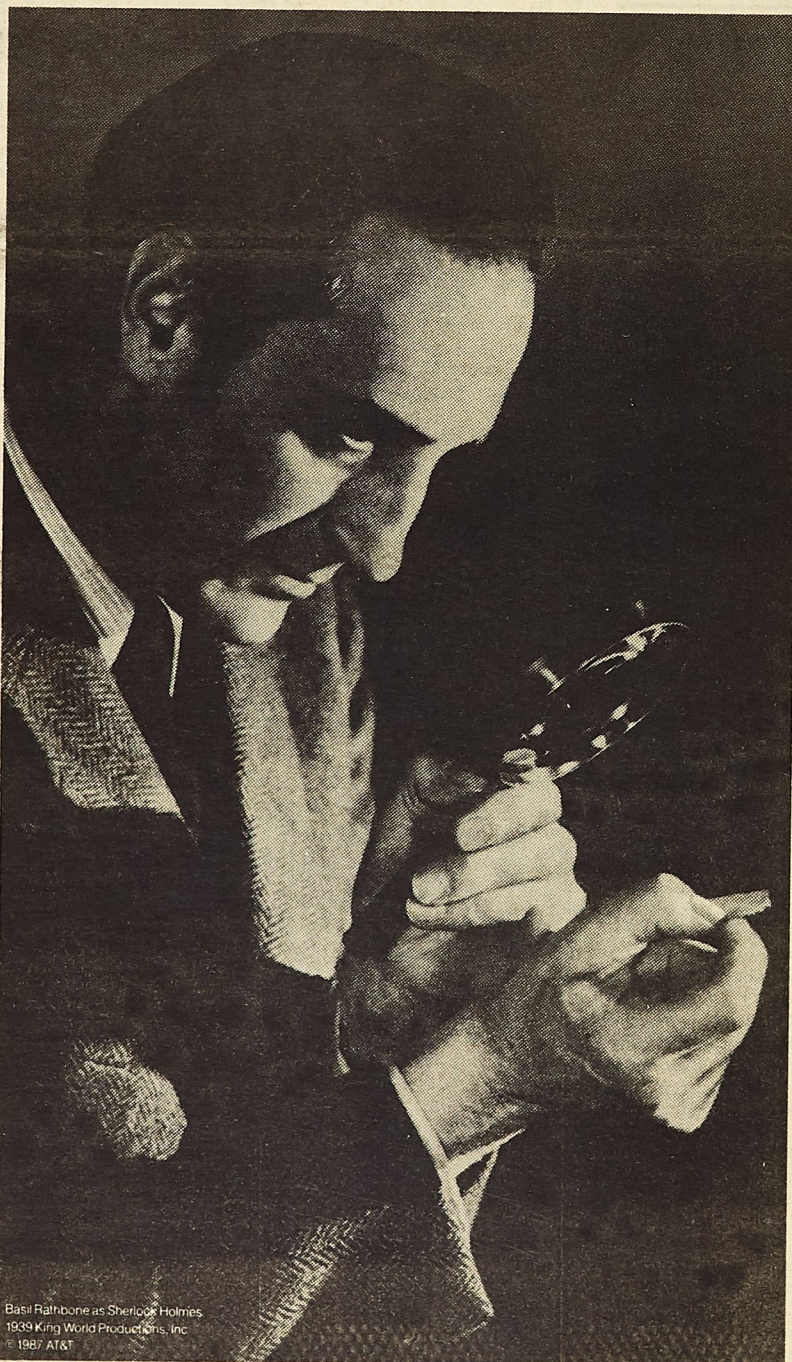


Members of Tech Engine Club take a break during the GDI social on Sept. 10. (Photo by David Libiez)



(Pictured left to right) Carolynne Weiss, Madonna Klaesner, Amy Nash, and Cindy Stafford party it up during Triangle's Taco and Tea party Saturday, Sept. 12. (Photo by Ron Stoops)

## Before you choose a long distance service, take a close look.



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Basil Rathbone as Sherlock Holmes  
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### Pope from page 1

Gras as well as bands in addition to various other activities that entertained John Paul II.

Later on that afternoon, the scene shifted outdoors. John Paul II celebrated mass at the East Lakefront Campus at the University of New Orleans. A delay of sudden rain showers did not dampen the spirits of approximately 200,000 people. The crowd witnessed over 650 priests, 175 deacons, and 200 eucharistic ministers assist John Paul II. Pete Fountain played 'Just a Closer Walk' while Al Hirt also played 'Ave Maria' furnishing a New Orleans flavor to the Papal liturgy.

The day was filled with excitement. The security was overwhelming yet the peaceful nature of John Paul II stimulated the huge mass of people. Hordes of secret service men were everywhere and helicopters hovered overhead while John Paul II captivated the eager listeners. One of the greatest humanitarians of this century delighted well-behaved crowds who listened attentively. The experience was enthralling to those who were able to see John Paul II, and the event will be long remembered by many. His motto 'Totus Tuus' (totally yours), lingers in the hearts of all those who were able to witness such a memorable event.

### CROP from page 1

pate in the walk.

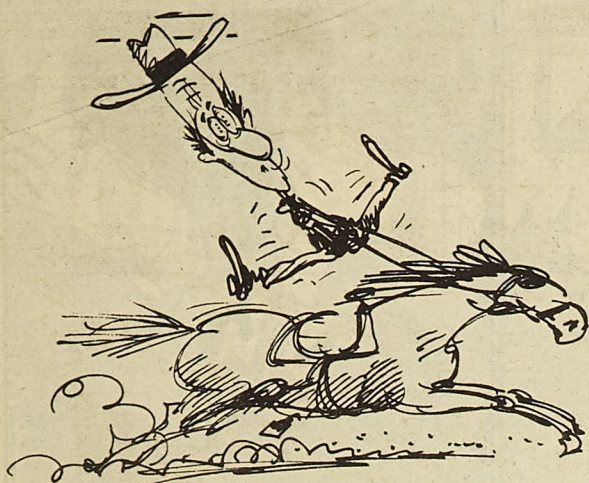
According to Gretchen Thompson, Rolla CROP Week recruiter, it is not necessary or mandatory to have sponsors or definite money pledges to be a contributing walker. Anybody interested can sponsor him or herself.

Groups already planning to participate in the walk are: Beta Sigma Psi, Lambda Chi Alpha, Kappa Delta, Phi Kappa Theta, Pi Kappa Phi, Sigma Nu, Sigma Pi, the St. Pat's Board, RHA and TJHA, the Wesley house, the Newman Center, and even the UMR juggling club.

The walk will begin with a rally to be held at the UMR campus University Center at 1:30 p.m. on Sunday, September 27. Dr. V.E. Falkenhain, a Rolla optometrist with experience from several Latin American assistance programs, and Chancellor Martin Jischke of UMR will give speeches before the walk.

For more information, please contact any of these CROP members: Judy Doyen (364-3463), Annie Johnson (265-3725), Cleo Kottwitz (364-1061), Mary Sheffield (364-4320), Edna Bridges (364-7931), Jeff Dalto (364-4857), or Gretchen Thompson (341-3820).





## Induction Motor course offered in St. Louis

### Source: News and Publications

A short course and workshop to provide engineers with a better understanding of the design of single phase motors will be offered by the University of Missouri-Rolla in St. Louis this fall.

The course and workshop, "Single Phase Induction Motor Design," will be held Oct. 12-16 in the Holiday Inn Riverfront, 200 North Fourth St.

The course will cover methods of performance prediction and test analysis, air-gap mmf and flux waves, calculation of motor constants, design philosophy, stator core design, computer-aided design, tapped-winding

capacitor motor design, and shaded-pole motor analysis and testing.

Workshops, which will be held in the afternoons, will give participants the opportunity to engage in the design analysis of a practical motor design problem including methods to calculate the flux densities, resistance, reactances and losses of a given single phase induction motor design and to calculate starting and running performance.

The registration fee is \$950 and includes course notes, coffee breaks, a banquet, and a copy of the book

"Theory and Design of Small Induction Motors." Early registration is requested as class size is limited.

For technical information about the course and workshop contact Dr. Earl F. Richards, UMR professor of electrical engineering and course director, Room G-14 Electrical Engineering Building, UMR, Rolla, MO 65401, phone: 314-341-4524.

For registration information contact Tom Bryson or Connie Allen, Engineering Continuing Education, 111 Engineering Research Laboratory, UMR, Rolla, MO 65401, phone: 314-341-4200.

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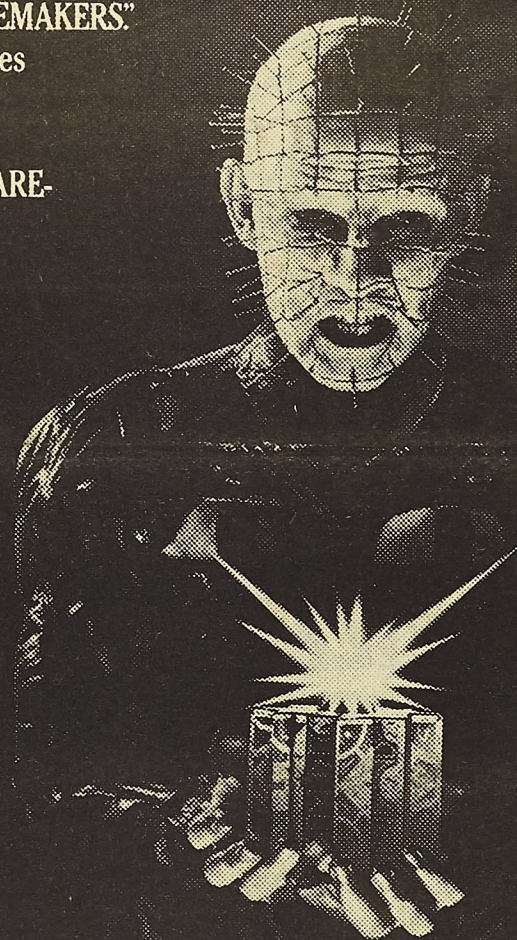
—Bill Harris, At The Movies

"THE BEST SLAM-BANG,  
NO-HOLDS-BARRED, SCARE-  
THE-\_\_\_\_-OUT-OF  
YOU HORROR MOVIE  
FOR QUITE A WHILE."

—Screen International

"I HAVE SEEN THE  
FUTURE OF HORROR  
AND HIS NAME  
IS CLIVE BARKER."

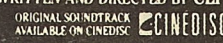
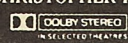
—Stephen King



# HELLRAISER

He'll tear your soul apart.

NEW WORLD PICTURES IN ASSOCIATION WITH CINEMARQUE ENTERTAINMENT B.V. PRESENTS  
A FILM FUTURES PRODUCTION A FILM BY CLIVE BARKER HELLRAISER STARRING ANDREW ROBINSON  
CLARE HIGGINS AND INTRODUCING ASHLEY LAURENCE MUSIC BY CHRISTOPHER YOUNG  
EXECUTIVE PRODUCERS DAVID SAUNDERS CHRISTOPHER WEBSTER AND MARK ARMSTRONG  
PRODUCER CHRISTOPHER FIGG WRITTEN AND DIRECTED BY CLIVE BARKER



STARTS EVERYWHERE  
FRIDAY, SEPT. 18



JOIN  
CONGRESSMAN RICHARD GEPHARDT  
MISSOURI DEMOCRATIC CANDIDATE

FOR  
PRESIDENT OF THE UNITED STATES  
ON THURSDAY, SEPTEMBER 17, 1987

12 NOON

AS HE SPEAKS FROM THE  
HOCKEY PUCK

UNIVERSITY OF MISSOURI ROLLA QUADRANGLE  
(North of University Center East)  
11th and Main Streets  
ADMISSION FREE

In case of rain meet in Student Lounge of University center east.

PARKING ALLOWED IN ANY OF THE RESERVED UMR PARKING LOTS



**Look No Further—  
When You're Looking  
for the Best . . .**

See our  
coupon in  
your Gold Book

**HAIR  
MASTERS**

**NEXUS**

215A West 8th  
(Ramsey Building)  
Downtown Rolla

**364-0707**

**GODFATHER'S  
EMERGENCY DELIVERY  
PIZZA**

**FREE DELIVERY**

Medium  
**SUPER PEPPERONI  
OR  
THE FOUR TOPPER  
2 for \$11<sup>00</sup>**

Buy one for just \$6.00  
Two Special of the Month pizzas must be ordered to  
redeem this Special of the Month coupon for delivery.  
Offer expires 9/30/87. No substitutions of ingredients.  
Not valid with any other offer or coupon.  
Offer good at participating Godfather's pizza restaurants.

**Pizza-In-A-Flash**  
all you care to eat  
Pizza and Pop  
**\$3.99**

Sun.,  
Mon.,  
Tues.  
5-8 p.m.



Eat-in  
Only

LIMITED DELIVERY AREA & HOURS

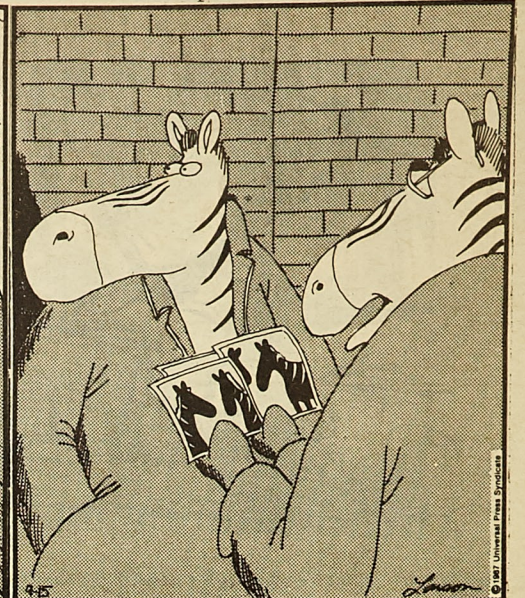
**364-3214  
1140 Forum Drive**

**THE FAR SIDE**

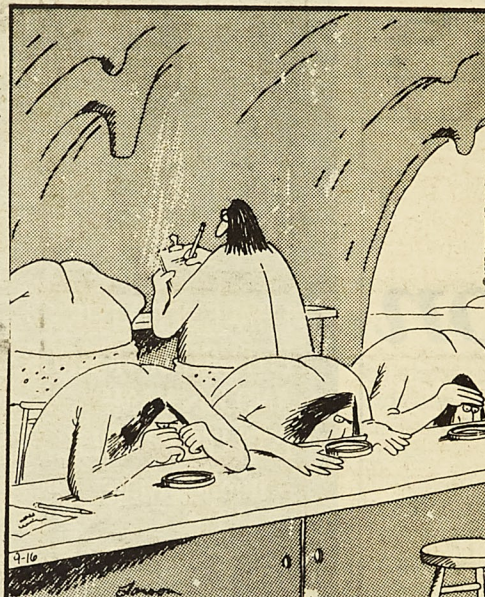
By GARY LARSON



"Letter from Lonso. ... And he sounds pretty lonely."



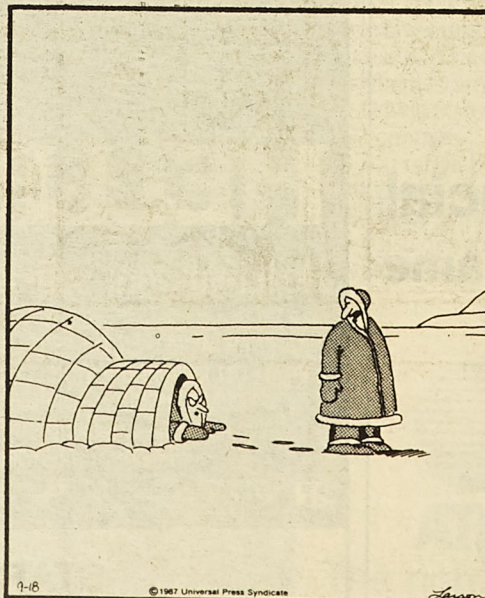
"OK, you've got me over a barrel ... but how  
do I know these are all the negatives?"



Early microbiologists



Flamingo toughs



"Well, it's cold again."

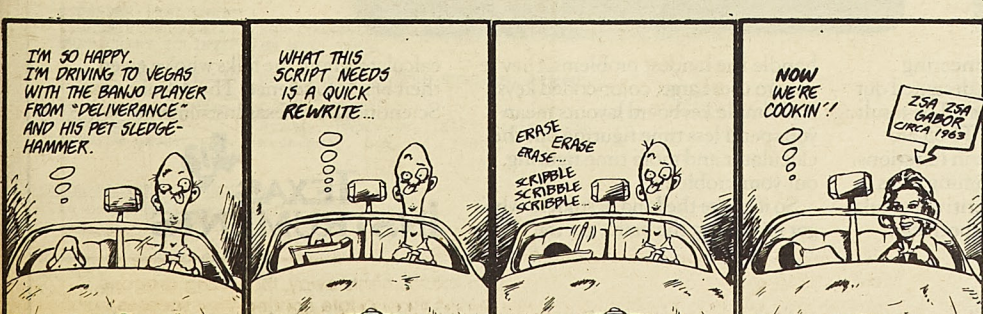
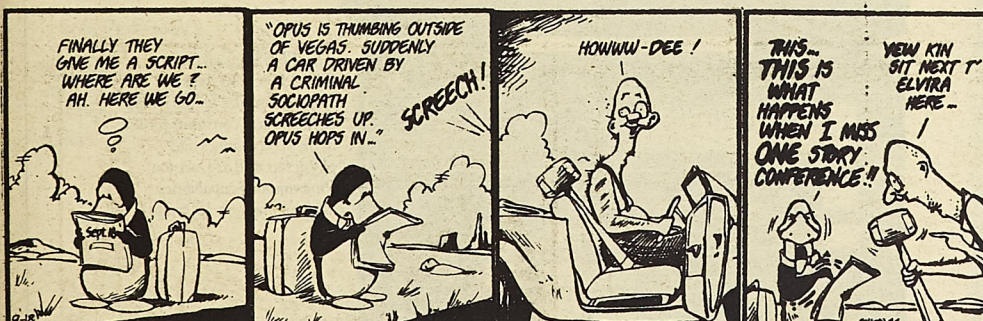
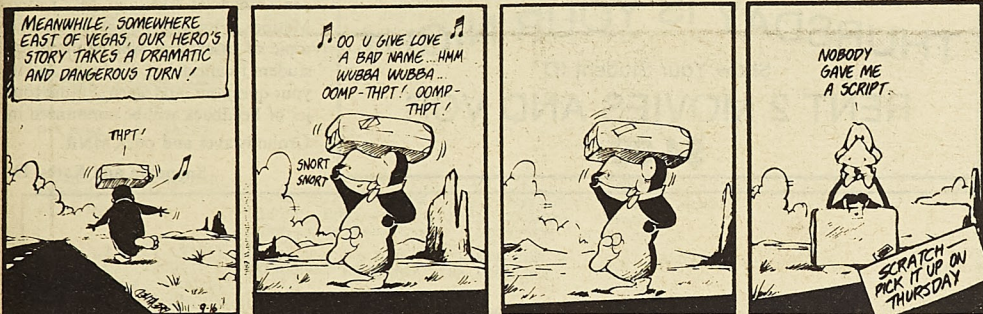
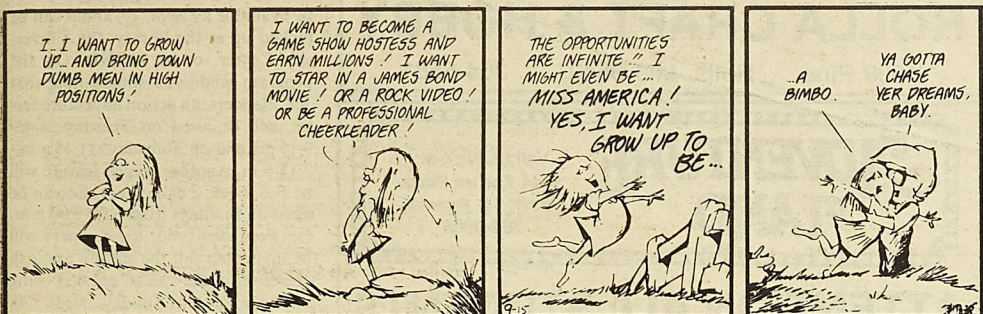
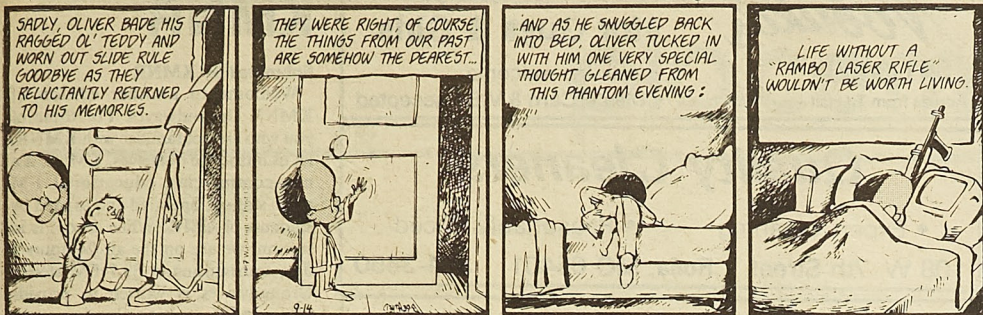


With their parents away, the young dragons  
would stay up late lighting their sneezes.



# BLOOM COUNTY

by Berke Breathed



## SCHWARZENEGGER

## THE TERMINATOR

An ORION PICTURES Release  
© 1984 CINEMA 84, A GREENBERG BROTHERS PARTNERSHIP. ALL RIGHTS RESERVED.

Student Union Board presents  
Midnight Film Series  
11 p.m., Friday and Saturday  
ME 104  
Free with UMR ID

## Sunday Night Student Special



## Chopped Sirloin Chicken Fried Steak

each only \$4.69  
Sundays 4 p.m.-Closing

Includes: Potato, toast, salad & hot food bar, and drink.

1401 Martin Spring Drive 364-7168  
Open: Sun-Thurs-11 a.m.-10 p.m.  
Fri-Sat-11 a.m.-11 p.m.

## Pedal Power Cyclery

All summer clothing

## 20%-50% OFF

Cannondale Tommaso Local Motion  
Sun Britches Hobie Jimmy Z

- Authorized Schwinn dealer
- Repairs on all makes

New location: Hwy 63 South  
364-2412



## LA POSADA

### MEXICAN RESTAURANT

- Delicious Mexican Food (Mexico City Style)
- Daily Lunch & Dinner Specials
- Sundays all you can eat
- 1024 types of Nachos
- Pleasant atmosphere

Hwy. 63 So.  
364-1971

Rolla, Mo.  
Closed Monday



Presented by Student Union Board  
Place: ME 104  
Friday, September 18, 6 and 9:30 p.m.  
Saturday, September 19, 6 p.m. **ONLY**  
Free with UMR ID

## Nobuko's

341-3800

Across from TJ Hall

## Hair Boutique for Guys & Girls

- walk-ins welcome
- MasterCard & VISA accepted

## Quality Cleaners

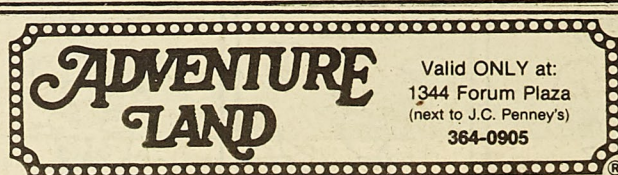
- Expert Cleaning
- Reasonably Priced

108 W. 7th Street Rolla, MO 65401 364-3650

SPI AH Games D & D Supplies

## ROLLA CRAFT & HOBBY

1009 Pine Rolla, MO 65401 364-5581



ATTENTION ALL STUDENTS

THURSDAY IS YOUR NIGHT  
Show Your Student ID  
RENT 2 MOVIES AND VCR  
**\$4.00**

## KMNR

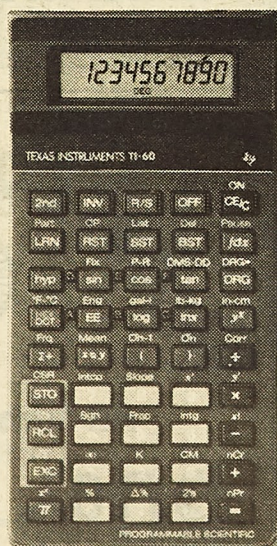
Submitted by KMNR

Welcome to another edition of KMNR Groundwaves. For those of you who are not familiar with KMNR, let us introduce ourselves. KMNR is a non-commercial, educational FM radio station, operated and funded by students of UMR. While school is in session, we are on the air 24 hours a day, transmitting at 89.7 FM stereo. Groundwaves is written to provide you with information about our programming and other services.

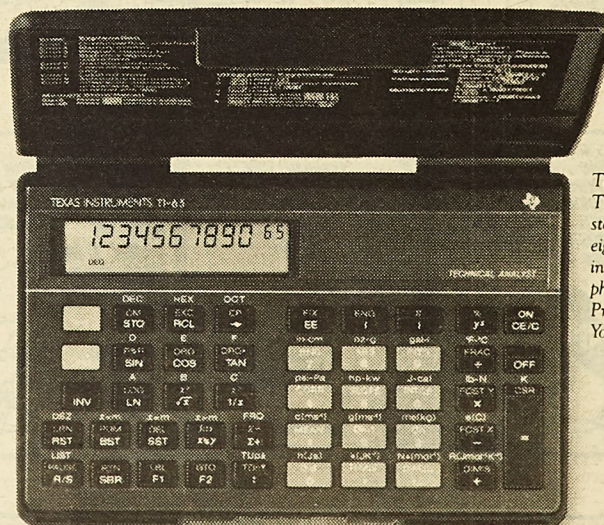
This semester's program guide will be available by Sept. 17, and it can be picked up at the library, the University Center, or at KMNR. On the program guide you should note that Jck Flanders, an action adventure series, will be aired on Tuesdays 8:45-9:15 pm and on Thursdays 11:45 a.m.-2:15 p.m. Another special feature will be Feedback, a call-in talk show to be aired on Sundays from 6:00-7:00 p.m. On Feedback, you, the listeners will be invited to call the station and ask questions of the special guest(s) being interviewed. On Sunday, Sept. 20, our first Feedback guests will be Ms. Dee Hamilton, Asst. Director of Student Financial Aid, and Ms. Karen Matlock, Financial Aid Advisor. The topic of discussion will naturally be student financial aid. So listen, call in your questions, and learn. Future topics of Feedback will be announced in Groundwaves and on KMNR.

Snapman and Kathy D.

# We've given our brains to science.



The TI-60 functions include hexadecimal/octal conversions, integration using Simpson's rule, statistics (including linear regression), trend line analysis and metric to English conversions. You can program 84 steps.



The TI-65 has all the TI-60 functions, plus a stopwatch/timer for lab work, eight physical constants for use in thermodynamics and physics as well as Decision Programming capabilities. You can program 100 steps.

TI advanced scientifics have all the right engineering and science functions to help you function better in school.

When we set out to make our most advanced scientific calculators, we gave a lot of thought to what your

science, math and engineering problems are. Then we designed our calculators around them. The result: the TI-60 and the new TI-65 are both packed with built-in functions. Plus, there are programming steps to speed you through repetitive calculations. But even though both can

handle the hardest problems, they're easy to use. Large, color-coded keys and simple keyboard layouts mean you spend less time figuring out the calculator and more time figuring out your problems.

So if you're the kind of student who's got science on the brain, get the

calculators from the folks who've given their brains to science. The Advanced Scientifics from Texas Instruments.

**TEXAS  
INSTRUMENTS**



# placement

## SIGNUPS AND PRE-SCREENING

LOCATED: Ground Level (G-5), Buehler Building  
(Use Door on Southeast Corner by Center Bank Drive-up)

HOURS: 7:45 to 11:30 a.m.  
1:00 to 4:15 p.m.

## PRE-SCREENED INTERVIEWS

### FISHER CONTROLS

8301 Cameron Road  
Austin, TX 78753

NUMBER OF SCHEDULES: 1  
MAJORS: BS/MS in EE, ChE or Computer Science  
POSITION: R&D, Systems Engineering, Application, Marketing & Manufacturing  
LOCATION: Austin, TX or Marshalltown, IA  
DECEMBER 1987 or MAY 1988 GRADS  
2.5 G.P.A. AND ABOVE  
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED  
DEADLINE FOR TURNING IN RESUME: Friday, Sept. 18, 1987 - 4:15 p.m.  
INTERVIEW DATE: Monday, Oct. 12, 1987

NOTE: RE: PRE-SCREENED INTERVIEWS: PLEASE INDICATE NAME OF COMPANY ON RESUME. Resumes will be mailed to company and they will select the students they wish to interview. Selectee's names, and backups will be posted on the Bulletin Boards in the sign-up area and in the appropriate departments. Posting of names will be done approx. two weeks before the interview date with a four deadline for signing.

### GENERAL MOTORS CORP.

GM Bldg., Room 8-162  
3044 West Grand Blvd.  
Detroit, MI 48202

NUMBER OF SCHEDULES: 3  
MAJORS: BS/MS in ME, EE, Met Eng., Eng. Mgt. or Eng. Mech.  
POSITION: Product Engineering, Manufacturing, Plant, Quality Reliability LOCATION: Midwest  
MAY or JULY 1988 GRADS ONLY - NO JOBS AVAILABLE FOR DEC. 1987 GRADS!  
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED  
3.0 G.P.A. REQUIRED  
MUST BE CAR ENTHUSIASTS!

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 18, 1987 - 4:15 p.m.  
INTERVIEW DATE: Tuesday, Oct. 13, 1987

### GENERAL ELECTRIC

Aircraft Engine Business Group  
1 Neumann Way, Mail Drop G-50  
Cincinnati, OH 45215

NUMBER OF SCHEDULES: 2: GE Aircraft Engine  
EE, ME, AE, and Met. E  
2: Manufacturing Management Program  
EE, ME  
1: Technical Sales Program  
EE, ME  
DECEMBER 1987 or MAY 1988 GRADS  
3.0 GPA MIN.

U.S. CITIZENSHIP OR HOLD PERMANENT RESIDENT VISAS  
STUDENTS MUST COMPLETE PERSONAL INFORMATION FORM PRIOR TO INTERVIEW (BRING TO INTERVIEW). (Available at time of signups)  
PLEASE DESIGNATE WHICH DIVISION YOU WISH TO INTERVIEW WITH ON PRE-SCREENED RESUME.

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 18, 1987 - 4:15 p.m.

INTERVIEW DATES: Tuesday, Oct. 13; Wednesday, Oct. 14, 1987

### MOTOROLA, INC.

4250 E. Camelback Road  
Phoenix, AZ 85018

NUMBER OF SCHEDULES: 1-COMMUNICATIONS SECTOR, Mobile Products Div  
BS/MS/PhD in EE for Electrical Engr. II  
LOCATION: Ft. Worth, TX  
U.S. CITIZENSHIP OR PRV ONLY; 3.0 GPA  
1-SEMICONDUCTOR PRODUCTS SECTOR  
BS/MS/PhD in EE for Discrete, MOS, Bipolar, Wafer FAB  
LOCATION: Phoenix, AZ  
U.S. CITIZENSHIP OR PRV ONLY; 3.0 GPA  
1-GOVERNMENT ELECTRONICS GROUP  
BS/MS in EE for 24 week Engr. Training Program (ETP); will then perform in R&D  
U.S. CITIZENS ONLY; NO GPA REQUIREMENT  
LOCATION: Phoenix, AZ

DECEMBER 1987 GRADS  
STUDENTS ON SCHEDULE FOR COMMUNICATIONS SECTOR MUST BRING TRANSCRIPT TO INTERVIEW WITH THEM.

PLEASE INDICATE DIV. OF MOTOROLA ON PRE-SCREENED RESUME.

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 18, 1987 - 4:15 p.m.  
INTERVIEW DATE: Wednesday, Oct. 14, 1987

### UNION PACIFIC TECHNOLOGY

1416 Dodge St., Room 111  
Omaha, NE 68179

NUMBER OF SCHEDULES: 1  
MAJORS: BS in Computer Science  
POSITION: Programmer  
LOCATION: St. Louis  
DECEMBER or MAY 1988 GRADS  
3.0 GPA REQUIRED  
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED

INFORMATION MEETING TO BE HELD: 7:00 p.m., Oct. 13  
210 McNutt Hall

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 18, 1987 - 4:15 p.m.  
INTERVIEW DATE: Wednesday, Oct. 14, 1987

### BLACK & VEATCH

P.O. Box 8405  
Kansas City, MO 64114

NUMBER OF SCHEDULES: 1-BS in CE: Design of water treatment & wastewater plants, power plants, etc.  
Civil Structural Engineer  
M.S. level-BS CE with MS in CE with emphasis in Geotechnical Engineering

1-BS/MS in Electrical Engineering  
1-BS/MS in Mechanical Engineering

POSITION: Complete details will be available at time of sign-up for interview.  
LOCATION: Kansas City, MO (headquarters) or Overland Park, KS

DECEMBER 1987 GRADS (1st priority)  
2.75 G.P.A. REQUIRED  
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 18, 1987 - 4:15 p.m.  
INTERVIEW DATE: Thursday, Oct. 15, 1987

### AMERICAN MANAGEMENT SYSTEMS

1777 N. Kent St.  
Arlington, VA 22209

NUMBER OF SCHEDULES: 1  
MAJORS: BS/MS in Computer Science  
POSITION: Programmer Analyst or Systems Analyst  
LOCATION: Arlington, VA; New York, NY; Chicago  
Denver, Houston, San Francisco & Sarasota

DECEMBER 1987 or MAY 1988 GRADS  
MUST BE PERMANENT RESIDENT

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 18, 1987 - 4:15 p.m.  
INTERVIEW DATE: Friday, Oct. 16, 1987

CANCELLATION: HOWARD NEEDLES TAMMEN & BERGENDOFF  
interview date: Oct. 16  
They do not plan to reschedule until Fall 1988.

### BURNS & McDONNELL

4600 E. 63rd St.  
Kansas City, MO 64130

NUMBER OF SCHEDULES: 1  
MAJORS: BS/MS in CE, BS EE (POWER), BS in ME  
POSITIONS: Positions will be listed at time of signing for interview  
LOCATION: Kansas City, MO  
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED  
2.8 G.P.A. REQUIRED  
STUDENTS SHOULD BRING COPY OF TRANSCRIPT TO INTERVIEW

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 18, 1987 - 4:15 p.m.  
INTERVIEW DATE: Friday, Oct. 16, 1987

### BELL HELICOPTER TEXTRON

P.O. Box 901014  
Ft. Worth, TX 76101

NUMBER OF SCHEDULES: 1  
MAJORS: BS/MS in ME, AE, EE  
POSITION: Engineering, design, development, flight test and mfg. Engineering job rotation program

LOCATION: Dallas/Ft. Worth, TX  
DEADLINE FOR TURNING IN RESUME: Friday, Sept. 18, 1987 - 4:15 p.m.  
INTERVIEW DATE: Friday, Oct. 16, 1987

### CONTINENTAL TELEPHONE COMPANY

P. O. Box 307  
Wentzville, MO 63385

NUMBER OF SCHEDULES: 1  
MAJORS: BS in EE, CE or Engineering Management  
POSITION: Staff Associate Engineer  
LOCATION: Wentzville, West Plains, Potosi, Branson, MO; Gardner, KS; Russellville, AR

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 18, 1987 - 4:15 p.m.  
INTERVIEW DATE: Friday, Oct. 16, 1987

### CARGILL, INC.

Poultry Products Div., Turkey Div.  
P.O. Box 225  
Springdale, AR 72764

NUMBER OF SCHEDULES: 1  
MAJORS: BS/MS in ME or Eng. Management  
POSITION: Engineering Trainee  
LOCATION: Missouri or Arkansas

DECEMBER 1987 or MAY 1988 GRADS  
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA  
2.5 G.P.A. REQUIRED

DEADLINE FOR TURNING IN RESUME: Friday, Sept. 18, 1987 - 4:15 p.m.  
INTERVIEW DATE: Thursday, Oct. 15, 1987



from page 13

## NON-PRE-SCREENED INTERVIEWS

## U.S. NAVY RECRUITING DISTRICT

405 South Tucker Ave.  
St. Louis, MO 63102-1132

NUMBER OF SCHEDULES: 3 ea day  
MAJORS: all engineering majors, Math/Science degrees  
POSITION: Operational/Management - Navy Engr. Officer programs  
LOCATION: East/West Coasts

DECEMBER 1987, MAY 1988, DECEMBER 1989 GRADS  
DEC. 87-3.2; MAY 88-3.2; DEC. 88-3.5; MAY 89-3.6 GPA REQUIRED  
U.S. CITIZENSHIP REQUIRED

SIGNUP DATE: Monday, Sept. 28, 1987  
INTERVIEW DATE: Monday, Oct. 12, 1987

CARGILL  
Process Engineering Dept.  
P.O. Box 1400A  
Dayton, OH 45414

NUMBER OF SCHEDULES: 1-Oct. 12; 1-Oct. 13, 1987  
MAJORS: BS in ChE, ME, EE  
POSITION: Production Management  
(corn milling, flour milling, oil seeds, processing, salt, fertilizer, chem. products)  
LOCATION: various U.S.

DECEMBER 1987 GRADS  
2.7 G.P.A. OR ABOVE  
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED

SIGNUP DATE: Monday, Sept. 28, 1987  
INTERVIEW DATES: Monday, Oct. 12; Tuesday, Oct. 13, 1987

EXCEL CORP. (Div. of Cargill)  
151 N. Main  
Wichita, KS 67202

NUMBER OF SCHEDULES: 1  
MAJORS: BS in ME, ChE  
POSITION: Production/Project Eng.  
LOCATION: Nebraska, Texas, Kansas, Illinois, Arkansas, California, Colorado, Missouri, Pennsylvania

DECEMBER 1987 or MAY 1988 GRADS  
U.S. CITIZENSHIP REQUIRED

SIGNUP DATE: Monday, Sept. 28, 1987  
INTERVIEW DATE: Monday, Oct. 12, 1987

## DYNETICS, INC.

Drawer B  
Huntsville, AL 35814

NUMBER OF SCHEDULES: 1  
MAJORS: BS/MS/PhD in EE  
POSITION: Position in areas of radar, communications, electro-optics, guidance & control, and systems analysis  
LOCATION: Huntsville, AL and Ft. Walton Beach, FL

DECEMBER 1987 or MAY 1988 GRADS  
(prefer Dec. grads)

U.S. CITIZENSHIP REQUIRED  
3.2 G.P.A. REQUIRED

SIGNUP DATE: Monday, Sept. 28, 1987  
INTERVIEW DATE: Monday, Oct. 12, 1987

## AMOCO RESEARCH CENTER

P.O. Box 400  
Naperville, IL 60566

NUMBER OF SCHEDULES: 1  
MAJORS: MS or PhD in Mechanical Engineering  
POSITION: Research & Development  
LOCATION: Naperville, IL (30 mi. west of Chicago)

SIGNUP DATE: Tuesday, Sept. 29, 1987  
INTERVIEW DATE: Tuesday, Oct. 13, 1987

## MAYTAG COMPANY

403 West 4th Street, North  
Newton, IA 50208

NUMBER OF SCHEDULES: 1-EE; 2-ME  
MAJORS: BS in EE, ME  
POSITION: Manufacturing Engineer, Methods Engr. at Maytag Plant Engr. at Maytag  
LOCATION: Newton, IA

SIGNUP DATE: Tuesday, Sept. 29, 1987  
INTERVIEW DATE: Tuesday, Oct. 13, 1987

NOTE: One (1) INTERVIEW SCHEDULE=12 interview openings  
approx. 6 interview openings in am  
approx. 6 interview openings in pm, depending on beginning & ending times of schedules

## SQUARE D COMPANY

3700 6th St., S.W.  
Cedar Rapids, IA 52406

NUMBER OF SCHEDULES: 1-BS/ME for Tool Engr.  
1-BS/ME, EE for Development Engineer  
1-BS/EE for Development Engineer

POSITION: BS/ME-Tool Engr.: engineering and design of stamping dies, plastic molds, and special machines/tooling.  
BS/ME, EE-Development Engr.: Leadership roles to direct work on molded case circuit breaker projects typically involving mechanism design, magnetic circuits, arc interruption, current sensing, and heat transfer.

LOCATION: Cedar Rapids, IA  
MUST BE PERMANENT RESIDENT  
recent grads (2- yrs), DECEMBER 1987 GRADS (PREFER DEC. GRADS)

SIGNUP DATE: Tuesday, Sept. 29, 1987  
INTERVIEW DATE: Tuesday, Oct. 13, 1987

## PEACE CORPS

4th & State, #2 Gateway Ctr. #318  
Kansas City, KS 66101

NUMBER OF SCHEDULES: 1

MAJORS: All disciplines, especially math, science, engineering, language, education, business, health majors  
POSITION: Volunteers are needed in the areas of engineering, health, math, science, business, foreign languages, and health. Transportation, health care, living expenses are provided.  
LOCATION: World-wide placements in developing countries: Africa, Asia, Latin America, the Caribbean, the South Pacific

U.S. CITIZENS ONLY

2.5 GPA REQUIRED in qualifying subjects for education positions

SIGNUP DATE: Thursday, Oct. 1, 1987  
INTERVIEW DATE: Thursday, Oct. 15, 1987

## AMERICAN MANAGEMENT SYSTEMS

1777 N. Kent St.  
Arlington, VA 22209

NUMBER OF SCHEDULES: 1

MAJORS: BS/MS in Computer Science  
POSITION: Programmer Analyst or Systems Analyst  
LOCATION: Arlington, VA; New York, NY; Chicago, Denver, Houston & San Francisco

DECEMBER 1987 or MAY 1988 GRADS  
MUST BE PERMANENT RESIDENT

SIGNUP DATE: Friday, Oct. 2, 1987

Note: A total of 6 interview openings will be available for afternoon signups; AFTERNOON INTERVIEW OPENINGS FOR OPEN SCHEDULE. MORNING INTERVIEW OPENINGS FOR CLOSED SCHEDULE.

INTERVIEW DATE: Friday, Oct. 16, 1987

## LATE INTERVIEW SCHEDULES - NON-PRESCREENED INTERVIEWS

## WEEK OF SEPT. 21-23, 1987

## ROCKWELL INTERNATIONAL CORP.

2230 East Imperial Hwy.  
El Segundo, CA 90245

NUMBER OF SCHEDULES: 1

MAJORS: BS/MS in AE, ME, EE  
POSITION: Engr. staff assignments in Research, Design, Development, Test or Mfg. related to manned and unmanned spacecraft, etc.  
LOCATION: Southern California; Golden, Colorado; Columbus, OH; Houston, TX

U.S. CITIZENS ONLY  
DECEMBER 1987 GRADS

SIGNUP DATE: Thursday, Sept. 17, 1987  
INTERVIEW DATE: Wednesday, Sept. 23, 1987

PLEASE NOTE: INTERVIEW DATE FOR ROCKWELL INTERNATIONAL SEPT. 23 - CEDAR RAPIDS SCHEDULE HAS BEEN CANCELLED. RESUMES FOR THAT SCHEDULE HAVE BEEN MAILED TO COMPANY. They will contact you if they are interested in arranging an interview.

## SQUARE D COMPANY

3700 6th St., S.W.  
Cedar Rapids, IA 52406

NUMBER OF SCHEDULES: 1-BS in Engineering Management  
1-BS in Mechanical Engineering or  
BS in Metallurgical Engineering

POSITION: Entry-level personnel will focus on projects having total product line accountability for mfg. process. Responsibilities include cost reduction, mfg. feasibility and strategy, and tool procurement

LOCATION: Cedar Rapids, IA

SIGNUP DATE: Thursday, Sept. 17, 1987  
INTERVIEW DATE: Tuesday, Sept. 22, 1987

(Interviewing DECEMBER 1987 or recent grads); Must have PRV)

INTERVIEWING WEEK OF  
OCT. 5-9, 1987

## AETNA LIFE INSURANCE

7301 College Blvd.  
Overland Park, KS 66201-9146

NUMBER OF SCHEDULES: 1-BS all majors for underwriters, claims, marketing - 1 year training for all. KC location.

1-Engineer Trainee - Physics, Math and any engineer. KC location

U.S. CITIZENSHIP OR  
2.7 AND ABOVE G.P.A. PERMANENT RESIDENT VISA

SIGNUP DATE: Wednesday, Sept. 23, 1987  
INTERVIEW DATE: Wednesday, Oct. 7, 1987

NOTE: RE: NON-PRESCREENED SCHEDULES: Back-up list will be available for those students unable to obtain an interview. YOU MUST BRING RESUME WITH YOU AT TIME OF SIGNING FOR BACK-UP LIST. BACK-UP LIST WILL BE LOCATED ON THE 2nd FLOOR, Buehler Bldg., for an additional 2 days. (PLEASE INDICATE NAME OF COMPANY ON RESUME.)

## WELLS MANUFACTURING CO.

7800 N. Austin Ave.  
Skokie, IL 60077

NUMBER OF SCHEDULES: 1

MAJORS: BS in Metallurgical Engr.  
POSITION: Process Metallurgist  
LOCATION: Skokie, IL

U.S. CITIZENSHIP REQUIRED

SIGNUP DATE: Wednesday, Sept. 23, 1987  
INTERVIEW DATE: Wednesday, Oct. 7, 1987



from page 14

### INFORMATION MEETINGS

Tuesday, Sept. 15, 1987 ANADRILL SCHLUMBERGER  
MEETING CANCELLED  
Note: Interview dates of Sept. 16, 17 for Anadrill Schlumberger CANCELLED

Tuesday, Sept. 15, 1987 DOWELL SCHLUMBERGER  
6:30-9:00 p.m.  
218 McNutt Hall

Monday, Sept. 21, 1987 U.S. ARMY CORPS OF ENGINEERS  
7:00-9:00 p.m.  
Schrenk Hall, Chem Eng. G-3

Monday, Sept. 21, 1987 PROCTER & GAMBLE SEMINAR  
6:00-7:00 p.m.  
ME Auditorium  
Engr. degrees in ME, EE, CE, ChE  
and Engineering Management are invited to attend informational mtg.

Tuesday, Oct. 6, 1987 CONOCO  
6:00-8:00 p.m.  
204 McNutt Hall

Thursday, Oct. 8, 1987 L.T.V.  
6:30-10:00 p.m.  
UCE, 202B Centennial Hall

Tuesday, Oct. 13, 1987 UNION PACIFIC  
6:30-8:30 p.m.  
210 McNutt Hall

Wednesday, Oct. 14, 1987 PEACE CORPS  
7:00-9:00  
UCE, 211 Maramec Room

Thursday, Oct. 15, 1987 AMERICAN MANAGEMENT SYSTEMS  
6:30-10:00 p.m.  
UCE, 214 Mark Twain Room

### CANCELLATIONS:

Arkansas Best: interview dates of Oct. 27, 28, 29, 1987  
Note: Arkansas Best will accept resumes. Please submit resume to:  
Mr. Walter Echols, Manager  
Marketing & Services, Data Tronics  
ARKANSAS BEST CORP.  
P.O. Box 48  
Ft. Smith, AR 72902

### ADDITIONS - please add to your Fall 1987 list

OCT. 26  
NCR Corp.  
Ethyl  
Marathon Petroleum

OCT. 28  
Vista Chemical

OCT. 30  
AFG Ind., Inc.

NOTE: PHILLIPS PETROLEUM HAS ADDED  
BS IN CIVIL ENGINEERING TO THEIR  
SCHEDULE OF OCT. 8, 1987.

They will interview Dec. 1987 or  
May 1988 grads for routine surface  
and underground mining engr. work  
requiring appl. of standard techniques  
procedures and criteria in carrying  
out a sequence of related engineering  
tasks, utilizing limited exercise of  
judgment on details of work and in  
making preliminary selections and  
adaptions of engr. alternatives.

3.0 OR BETTER GPA PREFERRED.  
DEADLINE FOR TURNING IN PRE-SCREENED  
RESUME: (extended to Thursday,  
Sept. 17 for CE)

# co-op employment

### SIGN-UP FOR GENERAL MOTORS - ALL DIVISIONS-CO-OP INTERVIEWS

WHEN: Thursday, September 17, 1987

WHERE: Co-op Office, 101 Buehler Bldg.

TIMES: For morning sign-ups - 8:00 - 11:00 am  
For afternoon sign-ups - 1:00 - 3:00 pm

INTERVIEWING: M.E., E.E., Met., Eng.Mgmt., Eng.Mech., Ch.E., Chem.

REQUIREMENTS: 2.8 GPA or above

THE ACTUAL INTERVIEW DATE WILL BE Monday, October 12, 1987.

General Motors has requested that we furnish them with resumes for pre-screening. We will accept as many resumes as we can collect. NO waiting in line, just drop off a copy of your resume on the above sign-up date. After pre-screening, General Motors will furnish the Co-op Office a list of those students they are interested in interviewing.

PLEASE CHECK WITH THE CO-OP OFFICE FREQUENTLY TO SEE IF THE LIST IS POSTED. WE WILL TRY AND HAVE THE LIST POSTED BY SEPTEMBER 28TH.

### SIGN-UP FOR MCDONNELL AIRCRAFT COMPANY CO-OP INTERVIEWS

WHEN: Friday, September 25, 1987

WHERE: Co-op Office, 101 Buehler Bldg.

TIMES: For morning sign-ups - 8:00 - 11:00 am  
For afternoon sign-ups - 1:00 - 3:00 pm

INTERVIEWING: A.E., C.Sc., E.E., M.E.

REQUIREMENTS: 3.2 GPA or above, American Citizenship required, must be completing 3 or more semesters of bs degree program

THE ACTUAL INTERVIEW DATE WILL BE Wednesday, October 21, 1987

McDonnell Aircraft, St. Louis, Missouri has requested that we furnish them with resumes for pre-screening. We will accept as many resumes as we can collect. NO waiting in line, just drop off a copy of your resume on the above sign-up date. After pre-screening, McDonnell will correspond with you indicating if they are interested in interviewing you.

IBM WILL HOLD AN INFORMAL INFORMATION AND SIGN-UP DAY ON MONDAY, OCTOBER 19, 1987, IN CENTENNIAL HALL. HOURS WILL BE FROM 10:00 A.M. - 4:00 P.M. STUDENTS INTERESTED IN CO-OPING WITH THE IBM CORPORATION ARE INVITED. ACTUAL INTERVIEW DATE WILL BE ON TUESDAY, OCTOBER 20, 1987. THE LOCATIONS TO BE REPRESENTED ARE:

KINGSTON, NEW YORK - INTERVIEWING: E.E., C.SC.

LEXINGTON, KENTUCKY - INTERVIEWING: C.SC., CH.E.

MANASSES, VIRGINIA - INTERVIEWING: C.SC., E.E.  
ENG.MGMT., M.E., CH.E.

OWEGO, NEW YORK - INTERVIEWING: C.SC., M.E.

ROCHESTER, MINNESOTA - INTERVIEWING: E.E., C.SC.

ALL STUDENTS MUST HAVE A RESUME AND TRANSCRIPT ON FILE AT THE CO-OP OFFICE BEFORE YOU WILL BE CONSIDERED FOR EMPLOYMENT.

YOU MUST TAKE (4) COPIES OF YOUR CO-OP RESUME WITH YOU ON THE SIGN-UP DAY (OCTOBER 19):

SIGN-UP FOR CONTEL OF MISSOURI/CONTEL OF KANSAS/ CONTEL OF ARKANSAS  
CO-OP INTERVIEWS

WHEN: Friday, September 25, 1987

WHERE: Co-op Office, 101 Buehler Bldg.

TIMES: For morning sign-ups - 8:00 - 11:00 am  
For afternoon sign-ups 1:00 - 3:00 pm

INTERVIEWING: C.Sc.

Requirements: 2.5 GPA or above, must be completing 4 or more semesters of bs degree

THE ACTUAL INTERVIEW DATE WILL BE Friday, October 16, 1987.

Work Locations: Branson, MO; Potosi, MO; Wentzville, Mo;  
Gardner, KS; and Russellville, AR

Contel (Continental Telephone Co.) has requested that we furnish them with resumes for pre-screening. We will accept as many resumes as we can collect. NO waiting in line, just drop off a copy of your resume on the above sign-up date. After pre-screening, Contel will correspond with you indicating if they are interested in interviewing you.

### SIGN-UP FOR METAL CONTAINER CORPORATION -CO-OP INTERVIEWS

WHEN: Monday, September 28, 1987

WHERE: Co-op Office, 101 Buehler Bldg.

TIMES: For morning sign-ups - 8:00 - 11:00 am  
For afternoon sign-ups - 1:00 - 3:00 pm

INTERVIEWING: M.E.

REQUIREMENTS: 2.7 GPA or above, American Citizenship required.  
Must be completing 5 semesters of bs degree program

THE ACTUAL INTERVIEW DATE WILL BE Thursday, October 8, 1987

Metal Container Corporation of St. Louis, Missouri has requested that we furnish them with resumes for pre-screening. We will accept as many resumes as we can collect on the above sign-up date. After pre-screening, Metal Container Corporation will furnish the Co-op Office a list of those students they are interested in interviewing.

PLEASE CHECK WITH THE CO-OP OFFICE FREQUENTLY TO SEE IF THE LIST IS POSTED. WE WILL TRY AND HAVE THE LIST POSTED BY MONDAY, October 5.



from page 15

DUPONT COMPANY  
Moberly, Missouri

Interviewing: M.E., E.E.

Requirements: 3.0 GPA or above,  
Sophomores or above

Sign-up date: Thursday, Sept. 24, 1987

RESUMES ONLY. IF YOU WANT YOUR RESUME SENT TO THIS COMPANY, PLEASE BRING A COPY OF YOUR RESUME TO THE CO-OP OFFICE ON THE ABOVE SIGN-UP DATE.

Interview date: Tuesday, October 13, 1987  
Wednesday, October 14, 1987

SUNRISE SYSTEMS INC.  
Kansas City, Missouri

Interviewing: C.Sc., E.E., M.E.

Requirements: 3.0 GPA or above American Citizenship required, must be completing 5 semesters of bs degree program.

Sign-up date: Tuesday, Sept. 29, 1987

Two schedules - 24 interview times.

Interview date: Friday, October 16, 1987

GENERAL MOTORS DELCO ELECTRONICS  
Kokomo, Indiana

Interviewing: Ch.E., E.E., M.E.

Requirements: 3.0 GPA or above, American Citizenship required

Sign-up date: Thursday, Oct. 1, 1987

1/2 schedule - 8 interview times, AM only

Interview date: Monday, Oct. 19, 1987

DOW CHEMICAL  
Freeport, Texas

Interviewing: Ch.E., M.E., E.E.

Requirements: 3.0 GPA or above, must have completed at least 60 hours at the end of the current semester

Sign-up date: Monday, October 5, 1987

1/2 schedule - 8 interview times, AM only

Interview date: Tuesday, October 20, 1987

UNION ELECTRIC COMPANY  
St. Louis, Missouri

Interviewing: Ch.E., E.E., Eng.Mgmt., M.E., Nuc.E.

Requirements: 2.5 GPA or above, Permanent Visa, must be completing 5 semesters of bs program

Sign-up date: Tuesday, October 6, 1987

One schedule - 12 interview times

Interview date: Wednesday, October 21, 1987

DEERE AND COMPANY  
Moline, Illinois

Interviewing: Ch.E., C.Sc., E.E., M.E., Met.E.

Requirements: 2.5 GPA or above, American Citizenship required

Sign-up date: Wednesday, Oct. 7, 1987

Two schedules - 24 interview openings

TERRACON CONSULTANTS SE INC.  
Lenexa, Kansas

Interviewing: C.E., Geology, Geo.E.

Requirements: none indicated

Sign-up date: Wednesday, Oct. 7, 1987

RESUMES ONLY. IF YOU WANT YOUR RESUME SENT TO THIS COMPANY, PLEASE BRING A COPY OF YOUR RESUME TO THE CO-OP OFFICE ON THE ABOVE SIGN-UP DATE.

TENNESSEE VALLEY AUTHORITY  
Memphis, TN

Interviewing: Ch.E., Chem., C.Sc., E.E., M.E.

Requirements: 2.5 GPA or above, American Citizenship required

Sign-up date: Thursday, Oct. 8, 1987

RESUMES ONLY. IF YOU WANT YOUR RESUME SENT TO THIS COMPANY, PLEASE BRING A COPY OF YOUR RESUME TO THE CO-OP OFFICE ON THE ABOVE SIGN-UP DATE.

Interview date: Tuesday, Oct. 27, 1987  
Wednesday, Oct. 28, 1987

FEDERAL AVIATION ADMINISTRATION  
Kansas City, Missouri

Interviewing on Tues., Oct. 27 - Math., C.Sc., Geology, Hum.S.S.

Interviewing on Wed., Oct. 28 - C.E., E.E.

Requirements: 2.0 GPA or above, American Citizenship required, must complete government form #171 (pick up at the Co-op Ofc. on the sign-up date)

Sign-up date: Tuesday, Oct. 13, 1987

Two schedules - 22 interview times  
IBM CORPORATION  
Rockville, Maryland

Interviewing: Math., C.Sc., E.E., English

Requirements: none indicated

Sign-up date: Wednesday, Oct. 14, 1987

RESUMES ONLY. IF YOU WANT YOUR RESUME SENT TO THIS COMPANY, PLEASE BRING A COPY OF YOUR RESUME TO THE CO-OP OFFICE ON THE ABOVE SIGN-UP DATE.

IBM CORPORATION  
Boulder, Colorado

Interviewing: \*C.Sc., \*E.E., (\*most openings) Math, M.E., Physics, Packaging Engineers

Requirements: must pick up IBM application at the Co-op Office on the sign-up date.

Sign-up date: Thursday, Oct. 15, 1987

RESUMES ONLY. IF YOU WANT YOUR RESUME SENT TO THIS COMPANY, PLEASE BRING A COPY OF YOUR RESUME TO THE CO-OP OFFICE ON THE ABOVE SIGN-UP DATE.

WRIGHT PATTERSON AIR FORCE BASE  
Air Force Base, Ohio

Interviewing: A.E., E.E., M.E.

Requirements: 2.5 GPA or above, American Citizenship required (will only accept application forms from those students who are within a 300 mile radius of Dayton, OH)

Sign-up date: Monday, Oct. 19, 1987

RESUMES ONLY. IF YOU WANT YOUR RESUME SENT TO THIS COMPANY, PLEASE BRING A COPY OF YOUR RESUME TO THE CO-OP OFFICE ON THE ABOVE SIGN-UP DATE.

OLD BEN COAL COMPANY  
Benton, Illinois

Interviewing: M.E., E.E.

Requirements: none indicated

Sign-up date: Thursday, Oct. 22, 1987

RESUMES ONLY. IF YOU WANT YOUR RESUME SENT TO THIS COMPANY, PLEASE BRING A COPY OF YOUR RESUME TO THE CO-OP OFFICE ON THE ABOVE SIGN-UP DATE.

Interview date: Thursday, November 19, 1987

AMSTED INDUSTRIES  
Chicago, Illinois

Interviewing: Eng.Mgmt., M.E., Met.

Requirements: 2.7 GPA or above, American Citizenship required

Sign-up date: Thursday, Nov. 5, 1987

One schedule - 11 interview times

Interview date: Wednesday, September 23, 1987

UNITED STATES GYPSUM COMPANY  
N. Kansas City, Missouri

Interviewing: Geo.E., Mining

Requirements: 2.5 GPA or above, Permanent Visa, must be completing 3 or more semesters of BS degree program.

Sign-up date: Monday, September 14, 1987

One schedule - 13 interview openings

Interview date: Monday, September 28, 1987

BROWN SHOE COMPANY  
St. Louis, MO (various locations) Steelville, MO Union, MO, Fredericktown, MO

Interviewing: M.E.

Requirements: 2.25 GPA or above, American Citizenship not required

Sign-up date: Tuesday, September 15, 1987

One schedule - 12 interview openings

Interview date: Tuesday, September 29, 1987

JOHNSON CONTROLS  
St. Louis, Missouri

Interviewing: E.E., M.E.

Requirements: 3.0 GPA or above, American Citizenship required.

Sign-up date: Monday, September 14, 1987

One schedule - 12 interview openings

Interview date: Tuesday, September 29, 1987

MONSANTO COMPANY  
St. Louis, Missouri

Interviewing: C.Sc., E.E.

Requirements: 3.0 GPA or above, Permanent Visa, Second semester sophomores or above, must be completing at least 4 semesters.

1 hour interviews

Sign-up date: Tuesday, September 15, 1987

Sign-ups will be limited to 8 C.Sc., & 4 E.E.

Two schedules - 12 interview openings

Monsanto will hold an orientation on Monday, September 28 at 3:00 - 4:30 in the Maramec Room, University Center East, Room 211. All students interviewing with Monsanto must attend this orientation. You must bring your Monsanto application with you to the orientation.

Interview date: Tuesday, September 29, 1987

MOBIL OIL COMPANY  
Schaumburg, Illinois

Interviewing: INFORMATION UNAVAILABLE AT THIS TIME

Requirements

Sign-up date: Tuesday, September 15, 1987

Interview date: Thursday, October 1, 1987

PFIZER PIGMENTS INC.  
E. St. Louis, Illinois

Interviewing: Ch.E.

Requirements: 3.0 GPA or above, American Citizenship not required

Sign-up date: Wednesday, September 16, 1987

One schedule - 10 interview openings

IBM CORPORATION  
Kingston, New York

Interviewing: \*C.Sc., E.E., (\*largest number of available openings) the others are very limited Eng.Mgmt., M.E.

Requirements: 3.2 GPA or above, American Citizenship not required

Sign-up date: Wednesday, September 16, 1987

RESUMES ONLY. IF YOU WANT YOUR RESUME SENT TO THIS COMPANY, PLEASE BRING A COPY OF YOUR RESUME TO THE CO-OP OFFICE ON THE ABOVE SIGN-UP DATE.

Interview date: Thursday, October 1, 1987

ANHEUSER BUSCH  
St. Louis, Missouri

Interviewing: Eng.Mgmt.

Requirements: 2.9 GPA or above, must be completing 4 semesters of BS degree program.

Sign-up date: Thursday, September 17, 1987

BALL CORPORATION  
Muncie, Indiana

Interviewing: Met.E.

Sign-up date: Thursday, September 17, 1987

RESUMES ONLY. IF YOU WANT YOUR RESUME SENT TO THIS COMPANY, PLEASE BRING A COPY OF YOUR RESUME TO THE CO-OP OFFICE ON THE ABOVE SIGN-UP DATE.

Interview date: Monday, October 5, 1987

ARMCO INC. MIDWESTERN STEEL DIVISION  
Kansas City, Missouri

Interviewing: Met.E., M.E.

Requirements: American Citizenship required

Sign-up date: Monday, September 21, 1987

1-1/2 schedules - 18 interview openings (6 interview openings for Met.E., 12 interview openings for M.E.)



# I.M. news: Football scores and schedule

Submitted by: Lenny Meers

Intramural football is off to a fine start this year. It looks like it's going to be a great season with many teams talented enough to win it all. There were many exciting games these past

few weeks and there are sure to be many more. Check the scores and the schedule for this week's games. Support your favorite team.

This past week, Hank Free won the Athlete of the Week honors. TJ-South

was voted team of the week. Congratulations to both!

Racquetball entries are due at the next manager's meeting on September 23. Be sure to have them in if your organization wants to participate.

## Intramural Football Scores

Sept. 2

Alpha Omega 13-APhiA 12  
Delta Sig 18-AFROTC 7  
GDI 18-Pi Kap Phi 6  
KS Psi 21-Spelunkers 9  
AE Pi 1-OAS 0  
Theta Xi 16-Delta Tau 10  
Beta Sig 23-Triangle 8  
Phi Kap 35-CCH 7  
Sig Nu 35-RHA 21  
Sept 3  
Sig Tau 14-BSU 13  
TJ(S) 50-LSC 0

PiKA 31- Sig Chi 0  
Sig Ep 37-Kap Sig 7  
Tech 22-Sig Pi 14  
Sept 8  
KA Psi 28- Theta Xi 0  
LSC 19-Alpha Omega 14  
AEPi 35-APhiA 22  
BSU 30-Delta Tau 10  
Spelunkers 21-Delta Sig 19  
Pi Kap Phi 1-OAS 0  
Lam Chi 20- TKE 14  
KA 28-TJ(N)7  
Sept.9  
TJ(S) 34-GDI 14

Sig Tau 19-AFROTC 14  
Beta Sig 1-CCH 0  
Sig NU 30- Sig Chi 0  
Kap Sig 28-Triangle 7

Sept 10

Delta Tau 20-AFROTC 14  
Alpha Omega 19-GDI 16  
Spelunkers 32-Sig Tau 20  
BSU 15-Theta Xi 14  
APhiA 25-LSC 7  
Sig Pi 16-RHA 14  
PiKA 40-TJ(N) 0  
Phi Kap 19-TKE 7

## Intramural Football Schedule

East

Sept. 16

7:00 PiKA LS-AWS  
8:15 White Stars-RHA  
9:30 Alpha Omega-Little Sigs

Sept. 17

7:00 KA Psi-Sig Tau  
8:15 AEPi-TJ(S)  
9:30 BSU-AFROTC

Sept. 21

7:00 Theta Xi-Spelunkers  
8:15 ISC-OAS  
9:30 PiKA LS-Alpha Omega

Sept 22

7:00 Sig Tau-Delta Tau  
8:15 AEPi-GDI  
9:30 KS Psi-AFROTC

West

AEPi-LSC  
KA Psi-BSU  
ZTA-KD

LSC-GDI  
Delta Sig-Delta Tau  
Pi Kap-Alpha Omega

White Stars-ZTA  
TJHA-RHA  
Chi O-AWS

TJ(S)-Alpha Omega  
BSU-Spelunkers  
LSC-OAS

Frat

KA-RHA  
Sig Chi-TJ(N)  
CCH-TKE

Beta Sig-Kap Sig  
Sig pi-Sig Nu

Triangle-Phi Kap  
RHA-PiKA  
Sig Chi-Tech

CCH-Sig Ep  
Kap Sig-Lambda Chi  
Sig Pi-KA

from page 16

IBM CORPORATION  
Boca Raton, Florida

Interviewing: E.E., C.Sc.

Sign-up date: Monday, September 21, 1987

RESUMES ONLY. IF YOU WANT YOUR RESUME SENT TO THIS COMPANY, PLEASE BRING A COPY OF YOUR RESUME TO THE CO-OP OFFICE ON THE ABOVE SIGN-UP DATE.

IBM CORPORATION  
Rochester, Minnesota

Interviewing: C.Sc., E.E.

Permanent Visa

Sign-up date: Tuesday, September 22, 1987

RESUMES ONLY. IF YOU WANT YOUR RESUME SENT TO THIS COMPANY, PLEASE BRING A COPY OF YOUR RESUME TO THE CO-OP OFFICE ON THE ABOVE SIGN-UP DATE.

IBM CORPORATION  
Lexington, Kentucky

Interviewing: Ch.E., C.Sc., E.E.

Requirements: 3.0 GPA or above, American Citizenship or A-1 Visa, sophomores or above, completing 3 or more semesters of bs degree program.

Sign-up date: Wednesday, September 23, 1987

RESUMES ONLY. IF YOU WANT YOUR RESUME SENT TO THIS COMPANY, PLEASE BRING A COPY OF YOUR RESUME TO THE CO-OP OFFICE ON THE ABOVE SIGN-UP DATE.

Interview date: Thursday, October 8, 1987

PROCTOR AND GAMBLE PAPER PRODUCTS  
Cape Girardeau, Missouri

Interviewing: Ch.E., C.E., E.E., Eng.Mgmt., M.E.

Requirements: 2.0 GPA or above, American Citizenship or must hold Permanent visa.

Sign-up date: Thursday, September 24, 1987

One schedule - 14 interview openings.

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

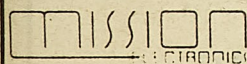
Please let the Co-op Office know immediately of any acceptance of an offer.

Please check with the Co-op Office periodically to check if additional companies have scheduled interviews.

## °° END OF THE RAINBOW °°

This Semester Add Some Jamming To Your Cramming

Boston Acoustics



Klipsch  
A Legend In Sound.

ALPINE

AudioControl™  
ESOTERIC AUDIO USA

Nakamichi  
CARVER  
Powerful · Musical · Accurate

DENON  
Professional Audio Brand



End of the Rainbow is Mid-Missouri's leader when it comes to affordable high performance audio products. Choose from products world-famous for delivering performance, reliability and value for your money.



SEE THE EXPERTS AT  
**END OF THE RAINBOW**

• Audio at its finest  
• Expert Installation  
1808 N. Bishop Hwy. 63 N.  
(across from Mr. Donut)  
Rolla 314-364-4191

## Homecoming T-shirts available from SUB

Pick yours up at the Hockey Puck  
10:30-2:30 everyday through Friday, October 9

Shirts are only \$5  
Limited supply

NOW OPEN!!!

SUB's

**On The Loose**  
Outdoor Equipment Rental

Hours: 1-4:30 p.m., Monday-Friday

Located in Miner Recreation Building  
10th & Bishop 364-2521



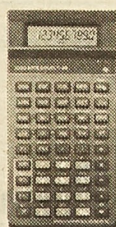
• Canoes • Volleyball Equipment • Tents • Backpacks • Cheap Soda • Et Cetera



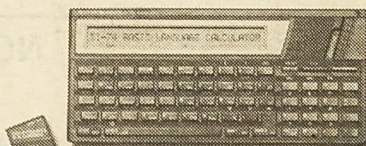
# Connect your courses to the TI calculator you need.

COURSES	GENERAL BUSINESS CALCULATORS		ADVANCED BUSINESS CALCULATORS		SCIENTIFIC CALCULATORS			INTERMEDIATE SCIENTIFIC CALCULATORS			ADVANCED SCIENTIFIC CALCULATORS		BASIC LANGUAGE PROGRAMMABLE CALCULATORS	KEYSTROKE PROGRAMMABLE CALCULATORS
	BA-35 • 1 Variable Statistics • Time-Value-of-Money	BA-II • 2 Variable Statistics • Time-Value-of-Money	BA-III • 2 Variable Statistics • Cash Flows (5 Variable, 3 Digit Frequency)	BA Solar • 2 Variable Statistics • Time-Value-of-Money • ANYLITE™ Solar Powered	TI-30 STAT • 1 Variable Statistics • Trigonometric Functions	TI-30 SLR + • 1 Variable Statistics • Trigonometric Functions • ANYLITE™ Solar Powered	TI-32 • 1 Variable Statistics • 3 Memories	TI-34 IIT • Hex, Octal, and Binary • Added-Value Computer Math Book • ANYLITE™ Solar Powered	TI-35 PLUS • 1 Variable Statistics • Computer Conversions	TI-36 SOLAR • 1 Variable Statistics • Computer Conversions	TI-60 • 2 Variable Statistics • 84 Programming Steps	TI-65 • 2 Variable Statistics • 100 Programming Steps • 8 Physical Constants	TI-74 • Basic Language Programmable • 8K Internal RAM • Additional Software and Accessories	TI-95 • Keystroke Programmable • 5 Redefinable Function Keys with Display Windows • Additional Software and Accessories
Calculus											•	•	•	
Mechanical Drawing								•	•	•	•			
Trigonometry					•			•	•	•				
Banking	•	•		•									•	
Economics					•	•	•			•				
Finance			•	•									•	
Financial Accounting	•	•		•										
Investments			•	•										
Math					•	•	•			•			•	
Merchandising	•								•	•				
Statistics				•							•	•	•	•
Tax Accounting			•											
General Math					•	•	•			•			•	•
Advanced Language											•		•	•
Basic Language													•	
Introductory								•						
Pascal													•	
Aerospace											•	•	•	•
Agricultural Engineering											•	•	•	•
Architecture											•	•	•	•
Chemical Engineering											•	•	•	•
Civil Engineering											•	•	•	•
Electrical Engineering											•	•	•	•
Energy											•	•	•	•
Industrial Engineering											•	•	•	•
Mechanical Engineering											•	•	•	•
Metallurgy											•	•	•	•
Advanced Math											•	•	•	•
Algebra					•	•		•	•	•				
Geometry					•	•		•	•	•				
Trigonometry					•	•		•	•	•				
Anatomy					•	•		•	•	•				
Astronomy					•	•		•	•	•				
Biology					•	•		•	•	•				
Botany					•	•		•	•	•				
Genetics					•	•		•	•	•				
Geology					•	•		•	•	•				
Industrial Chemistry					•	•		•	•	•				
Inorganic Chemistry					•	•		•	•	•				
Microbiology					•	•		•	•	•				
Physical Chemistry					•	•		•	•	•				
Physics					•	•		•	•	•				
Physiology					•	•		•	•	•				
Oceanology					•	•		•	•	•				
Organic Chemistry					•	•		•	•	•				

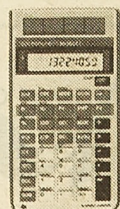
## Our hottest selling models on campus.



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Analyst Solar



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Advanced Scientific



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Whether you're into business, science, or engineering, TI has all the right calculators with all the right functions for you.

**TEXAS INSTRUMENTS**



## Sigma Chi named Significant Chapter

Source: Sigma Chi Foundation

The Sigma Chi chapter at the University of Missouri-Rolla received the highest undergraduate chapter award from the international fraternity at its 40th annual Leadership Training Workshop held August 13-16, at the University of Western Ontario, in London, Ontario.

The Peterson Award is the highest honor an undergraduate chapter can achieve as it recognizes outstanding performance in all major fields of operations, programs and activities. Each of the fraternity's 200 active chapters is encouraged to apply annually for the award, and 29 won the distinction for the 1986-87 academic year.

The Peterson Significant Chapter Award was presented to the chapter's delegates by the fraternity's international president at the workshop, where members of the fraternity were involved in various lectures and discussions on ideas and methods for successful chapter operations, activi-

ties and scholarship.

The Sigma Chi workshop, the largest in the Greek-letter world, is a four-day program which this year attracted more than 1,200 alumni and student leaders of the fraternity from its 200 campus chapters in 43 states and four Canadian provinces.

The college or university where each winning chapter is located receives a donation for its counseling and tutoring program from the Sigma Chi Foundation, which sponsors the award. The criteria for the award include acceptable performance levels in the areas of member graduation persistence, scholarship and leadership, along with campus, community, faculty and alumni relations.

In addition to its 200 undergraduate chapters, the Sigma Chi Fraternity has 136 active alumni groups and more than 157,000 living members, student and alumni. It was founded in 1855, at Miami University, Ohio, and is headquartered in Evanston, Illinois.

## Ore deposit conference to be held at UMR

Source: News and Publications

The North American Conference on Tectonic Control of Ore Deposits will be held Oct. 6-8 at the University of Missouri-Rolla. The conference is being sponsored by UMR's School of Mines and Metallurgy and Department of Geology and Geophysics.

According to Dr. Geza Kisvarsanyi, UMR professor of geology and chairman of the conference organizing committee, the conference will deal with subject matter related to how the earth's processes throughout geologic time have determined where ore deposits are located and the structural properties associated with them.

"Increasing our knowledge of this area of geology is vital to modern exploration for new sources of mineral resources. This is particularly important in light of the shortages of certain minerals that are forecast to occur," he said.

"The conference will include discussions of the major ore deposits in Missouri, which are primarily those of lead, zinc, copper, silver and iron, as well as others in the mid-continent region," he added. "Holding the conference at UMR this fall also is appropriate because the campus's new Mineral Engineering Building, V. H. McNutt Hall, will be inaugurated next month."

Keynote speaker at the conference banquet will be Dr. John M. Guilbert of Arizona who will speak on "Ore Deposits Connected With Granites." Kisvarsanyi explained that Guilbert is the author of one of the nation's most widely used and respected textbooks on ore deposits.

The conference also will include sessions on "Tectonic Controls of Cordilleran Ore Deposits," "Zoning and Lithologic Controls of Cordilleran Ore Deposits," "Ore Deposits of the

Precambrian Shield," "Structure and Ore Deposits of the Precambrian Mid-Continent," "Mississippi Valley-type Deposits" and "Ore Deposits of the Appalachians."

According to Kisvarsanyi, about 60 papers will be presented at the conference by researchers representing governmental agencies, universities and private industry throughout North America.

Fee for the conference is \$175. The fee for students is \$50. Participants can pre-register through Sept. 15 and also may register at the conference. The registration fee includes a copy of the conference volume, a copy of the abstracts and the banquet.

For further information on the conference contact Dr. Kisvarsanyi, Department of Geology and Geophysics, McNutt Hall, University of Missouri-Rolla, Rolla, MO 65401, phone: 314-341-4663.

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## AIChE chapter receives excellence award fifth year

By John Skiffington  
Staff Writer

The UMR American Institute of Chemical Engineers (AIChE) was one of ten student chapters selected to receive the National AIChE Award of Excellence for 1986-87. Our chapter was selected by the Student Chapter Awards Committee, who reviewed dozens of applications. There are 144 chapters nationwide. This is the fifth consecutive year for UMR to receive this award. The award is based on enthusiasm, participation, and quality of chapter meetings.

The student chapter presidents for 1986-87 school year were Sarah

Reeves (Fall '86) and Denis Backer (Spring '87). This year's officers include: President, John Skiffington; Vice President, Jon Hansen; Treasurer, Bob Richman; Secretary, Claire Duncan; and Reporter, Laura Grady. Our chapter advisor is Dr. Bruce Poling.

AIChE, which is for chemical engineering, chemistry, and other related majors, meets the second and fourth Wednesdays of each month at 7 p.m. in Room G-3 of the Chemistry Building. This semester, we have speakers from various chemical industries scheduled to give presentations: Sep-

tember 23, Jim Christen of Dow Chemical; October 14, Bob Sloop of Lever Brothers; and October 28, Luke Dohmen of Shell. Topics include current chemical engineering technology and career opportunities.

In addition to local and regional meetings, the chapter has a semi-annual outing. Activities include softball and volleyball, and there is always plenty to eat.

If you are interested in becoming a part of this organization, come to our next meeting or stop by the ChE office.

## Rolla Night to be held in St. Louis for UMR's future freshmen

Source: News and Publications

The University of Missouri-Rolla's annual 'Rolla Night,' held at the Engineers' Club of St. Louis, 4359 Lindell Blvd., will be held at 7:30 p.m. Thursday, October 8. All prospective college students and their parents, teachers and counselors are invited to attend.

UM-Rolla Chancellor Martin C.

Jischke will provide welcoming comments to participants in the program. Also included as part of the evening's agenda will be presentations about UMR that will touch on admissions, financial aid, the cooperative training program, placement, housing and mathematics entrance requirements, and a slide show about UMR.

An informal reception will follow

the program. UMR faculty and students from all departments and representatives of such UMR offices as admissions, financial aid, Minority Engineering Program, Women in Engineering Program, housing, athletics, career development and Army and Air Force ROTC will be available to answer questions.

## Prospective students invited for University Day

Source: News and Publications

All prospective college students and their parents, teachers and counselors are invited to learn about the University of Missouri-Rolla at University Day (Fall Open House) on campus Saturday, October 31.

The annual open house gives visitors an opportunity to get acquainted with the UM-Rolla campus and to familiarize themselves with UMR's academic programs and campus life in general.

Registration will be from 8 a.m. to noon in the Miner Lounge on the second floor of the University Center-East. UM-Rolla faculty, students

and staff will be available in the University Center-East from 8 a.m. to noon to answer questions on matters such as academic programs, student activities, housing, financial aid and admissions.

Guided tours of the campus will leave periodically from the University Center between 9 a.m. and noon. All academic departments on campus will have an open house 9 a.m. to 1 p.m., with demonstrations and displays in most departments. Faculty members and students from each department also will be on hand in their respective units to answer questions about spe-

cific academic programs.

UMR offers degree programs in engineering, science and the liberal arts. These degree programs include the engineering fields of aerospace, ceramic, chemical, civil, electrical, geological, mechanical, metallurgical, mining, nuclear, petroleum, engineering management and engineering mechanics. Science degrees are offered in chemistry, computer science, geology and geophysics, life sciences, mathematics and physics. In liberal arts, degrees are granted in economics, English, history, philosophy and psychology. UMR also has an honors program in all its academic fields.





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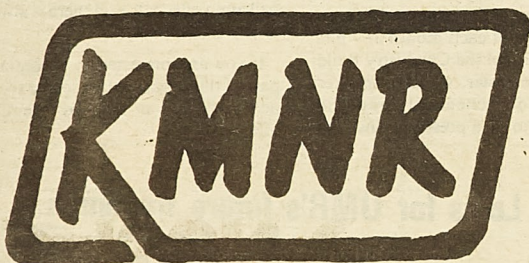
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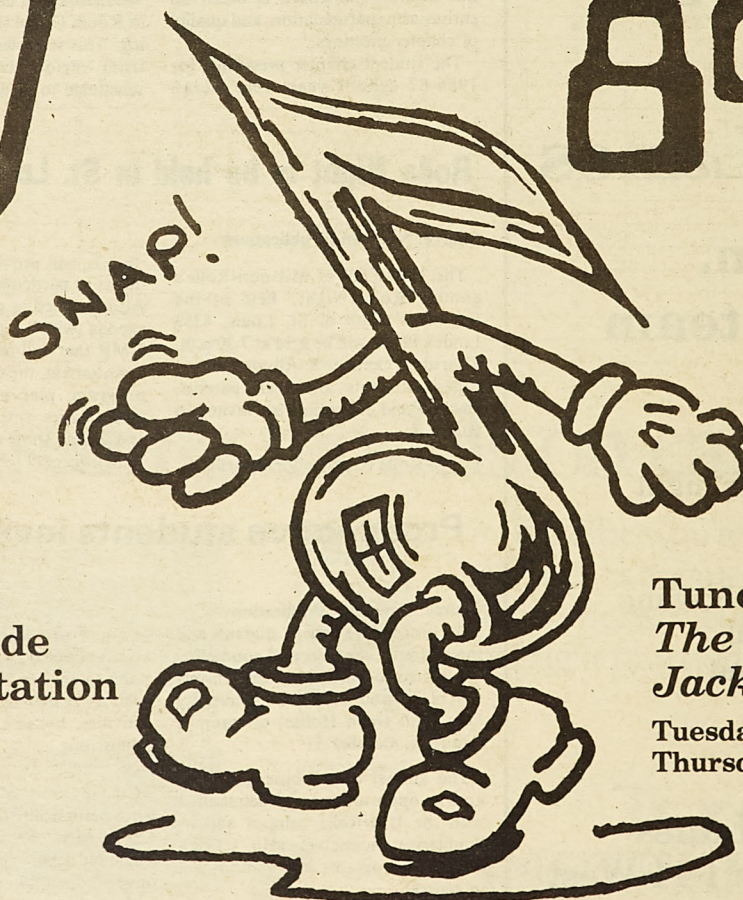
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