



14 Oct 1982

The Missouri Miner, October 14, 1982

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MISSOURI MINER

For the students of UMR

Volume 71, Number 7

Thursday, Oct. 14, 1982

Sixteen Pages

14.7 % surcharge backed by Pres. Olson

COLUMBIA, Mo. — University of Missouri President James C. Olson announced on Monday that he will recommend a 14.7 percent student fee surcharge for the second semester to help meet the financial problems created by a 5 percent withholding of state appropriations for 1982-83.

Gov. Christopher Bond announced last week that in addition to the 3 percent withholding initially ordered, an additional 2 per-

cent would be mandated to help balance the state budget in view of lower-than-expected state revenues.

Dr. Olson noted that the University is accommodating the initial 3 percent centrally by working with state officials to utilize the University's borrowing capability to assist the state with its cash-flow problem.

But he added that he was convinced that the remaining 2 percent of the loss, about \$3.3 million, should be covered by increasing income from

students.

Dr. Olson said, "the surcharge recommendation is made reluctantly, but I do so within the constraints of a tight University budget. We have carefully considered the alternatives. We will make every effort to provide student aid to help offset the surcharge for those students whose educational careers may be jeopardized."

Olson's recommendation to the curators calls for a second semester surcharge of 14.7 percent on all in-

cidental fees, non-resident tuition and supplemental fees. This would mean an addition to the fee bill of full-time resident students of \$75 and would produce about \$3.3 million.

The surcharge recommendation will be brought

up at the Oct. 14 and 15 meeting of the Board of Curators.

This surcharge would be in addition to the supplemental fee now being studied by the University. Cathy Lally, Student Council president, said that the student

government leaders of the University of Missouri campuses would try to lower the percentage of the surcharge but that there is very little chance of having it removed. She also said that the supplemental fee would probably not be discussed.

New life for Schuman Pond

By GREG RINKER

For the past several years the city of Rolla has been trying to do something about the pond at Schuman Park. The city decided to drain and dig out the pond this year when the Army offered to help.

The 5th Engineering Battalion, stationed at Fort Leonard Wood, is using the project to give members of the battalion practical experience. The city is providing meals, housing and fuel while the Army supplies the personnel and earthmoving equipment.

The pond was created during the 1860's when the railroad built a roadbed where three streams come together. All the construction since then helped put tons of sediment in the pond. Before it was drained this year the average depth of the pond was about three feet. Being so shallow, the pond was covered with algae

much of the year.

About two years ago, on the suggestion of a UMR student, the city stocked the pond with 60 algae eating carp. When the pond was drained this year the fish were found to have tripled in size, but they had made little difference in what the pond looked like.

When work began last summer it was thought the project would be completed by this fall. But the equipment operators found themselves stuck in mud and had to dig down to rock and clay so they could move around. The heavy summer rains put water back in the pond and caused further delays. Last week several of the equipment operators said they found themselves changing quite a few tires chewed up by the rocks. During these delays the crews were being housed and fed at the city's expense.

As reported in the Rolla Daily News Oct. 6 these

delays are leading to cost overruns and funds for the project are quickly running out. Originally \$60,000 was budgeted for the project, but now it looks like it will take an extra \$17,000.

Last week there were seven men working at the pond from the Army though this varies. Occasionally helicopters land at the park to transfer men and bring in Army staff to inspect the work. private contractors are being used to haul off the mud for \$21 per hour.

According to Ken Kwantes, director of parks and recreation, the pond will be deeper and have a smaller surface area when completed. Exactly how big the pond will be depends on funding and how long the Army stays. When the project will be completed depends on how big the pond will be and the weather, but Kwantes said he expects completion by next spring at the latest.

Concern sparked by,

Attempted assaults

By HERALEEN SPRENGER

"I heard that there were three rapes on campus. They said the girls were attacked and were too afraid to talk to anyone," said one freshman female.

Another girl explained, "This is my third year here. It's kind of common knowledge that it goes on, but they just don't talk about it. I heard there were a couple over the summer."

"We've been warning the girls of six attempts which have occurred since mid-summer," said TJ Housing Manager Paul Bauch. "The information came from an administrator who asked us to pass the warning. We're just trying to make them aware. We're trying to encourage everybody not to walk alone — especially females."

How accurate is this information which seems to be floating around campus?

"Don't get me wrong. I'm not saying there haven't been any rapes. It can happen in Rolla, and it does happen in Rolla," said UMR Police Sergeant Michael Orlando. "But this is where rumors come in. There may be an attempted assault, and the girl tells a friend or two. And the next thing you know, there's a mad rapist on campus."

Rolla Chief of Police Stan Spadoni said he feels accuracy is very important. "Rumors can be very damaging. It might get ladies concerned unnecessarily — though young ladies should take ordinary precautions."

According to Chief Spadoni, there have been two reported rapes this year. One during the summer involved a UMR student. There have been no prosecutions.

A few safety measures which Chief Spadoni mentioned include walking in groups of two or more, not walking in dark areas, and knowing a few defensive tactics which can be easily learned.

Another precaution is to attend the rape presentation given by Sergeant Orlando and Patrolwoman Cathy Stewart, also of the UMR Police staff. This presentation is given to any interested organization. The Quad, for example, sponsored one last month, and Housing Manager Karen Dietzler described it as "an excellent program and open discussion." In fact she said that there are plans to sponsor one next semester open to all campus.

One other precaution Chief Spadoni stressed is reporting any rape attempts. "If it's happening, it's very im-

portant for us to know."

Explained Sergeant Orlando, "You can't stop it if you don't know it's happening."

Good grades mean less money

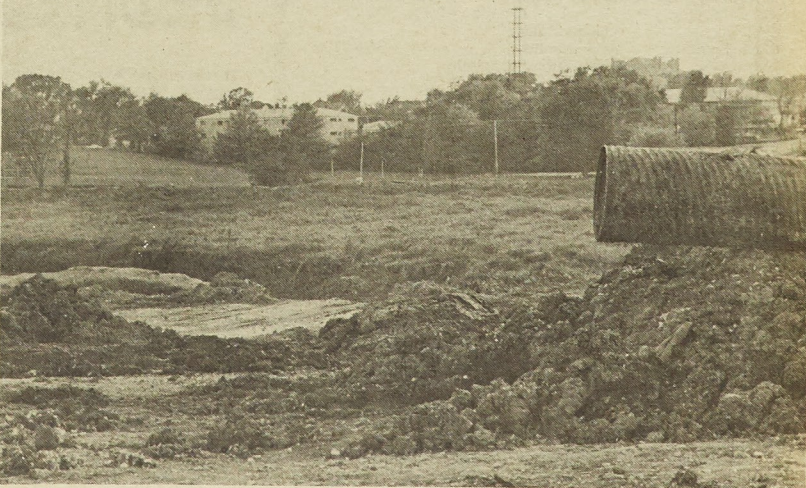
If you are one of the top students on campus, you are eligible to receive scholarship money from the University of Missouri.

The students who have a 3.9 to 4.0 cumulative grade point qualify under the Curators-Honorarium Scholarship to have \$306 deducted from their spring semester 1983 incidental fees.

Students with a 3.75 to 3.89 cumulative grade point average will have \$204 deducted from their incidental fees.

Students with a 3.5 to 3.74 cumulative grade point will have \$102 deducted from their incidental fees.

If you have a grade point average in this range and will not be attending spring semester 1983 or if you were a freshman scholar while attending UMC; UMKC or UMSL please stop by the Student Financial Aid Office, 106 Parker Hall.



Tracy Gerhold

Phi Kappa Theta's **Fall Festival** OCTOBER 17 Lions' Club Park
2nd Annual for benefit of American Cancer Society 2.75\$ at the gate
\$2.50 at Hockey Puck

CALENDAR OF EVENTS

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

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

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

THURSDAY

MSM CLIMBING CLUB

The MSM Climbing Club will hold its regular meeting Thursday, Oct. 14, at 6:30 p.m., Room 207, Norwood Hall. Anyone interested in climbing or learning how to climb is welcome.

M-CLUB

On Thursday, Oct. 14, M-Club will have a meeting at C.E. 114 at 7 p.m. All new lettermen wishing to pledge should attend this meeting.

UMR FILM SERIES

UMR Film Series, Thursday, Oct. 14, "Raging Bull," starring Robert De Niro, 7:30 p.m., Miles Auditorium, Mechanical Engineering. Season ticket or \$2.50 at the door.

WARGAMERS ASSOCIATION

The Wargamers Association of Rolla will be holding its next meeting Thursday, Oct. 14, at 8 p.m. in Room 206 M-CS. Topics discussed will be its upcoming AD&D Tournament, signups for this tournament and a talk on the latest squad leader game, G.I. Anvil of Victory. Memberships are still being taken.

HKN

HKN will hold a general business meeting Thursday, Oct. 14, at 6:30 p.m. in Room 105 EE. Career Day and the Junior Miss Contest will be discussed. There will be a pledge meeting at 7 p.m. in Room 104 EE.

PHI ETA SIGMA

Phi Eta Sigma will hold its first meeting of the semester on Thursday, Oct. 14, at 7 p.m. All eligible people interested in pledging should attend this meeting. It will be held in G-5 Humanities Building.

GDI

GDI will have a general membership meeting Thursday, Oct. 14, at 7 p.m., G-3 Chem Building. Refreshments served afterward. All are welcome!!!

HELIX

HELIX meeting Thursday, Oct. 14, at 7:15 p.m. in Chem. Eng. Room 121. Topic of discussion: Admission to medical and dental schools. Discussion led by Dr. Gale and Dr. Stoffer. Memberships in HELIX, the organization for life science majors and other interested students, will also be taken.

Missouri Miner

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

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

THE MISSOURI MINER
303 Rolla Building
University of Missouri-Rolla
Rolla, MO 65401
341-4312

FRIDAY

PARENTS' DAY CONCERT

Parents' Day Concert, Friday, Oct. 15, UMR Jazz Ensemble I, Tom Ruess, director, Cedar Street Center, 8 p.m. Free.

SATURDAY

UMR CYCLING CLUB

The Cycling Club will take a 60-mile ride Saturday, Oct. 16, to Edgar Springs, Mo. This ride will be in preparation for a century Oct. 30. Everyone interested meet at the Hockey Puck at 9 a.m. Bring water. For information on this and other rides, see the Cycling Club sign by the Hockey Puck or call Kent Allen, 364-2866.

SUNDAY

PHI KAPPA THETA FALL BARBECUE 1982

Tired of the same Sunday meals? Come on out to Lions Club Park on Sunday, Oct. 17, and relax to some good food, good music and good beverages while you're helping out the American Cancer Society. The dinner's only \$2.50 and the fun is free. Nuthin' Fancy and the Upbeats, two local bands, will provide the music. Tickets are available at the Hockey Puck.

SHPE

The Society of Hispanic Professional Engineers (SHPE) will be serving a Mexican breakfast Sunday, Oct. 17, from 7:30-10:30 a.m. at the Knights of Columbus Hall, located off Highway 72 and Elm Street on Newman Road. The menu will include Mexican sausage with eggs or fried corn tortillas scrambled with eggs and cheese. Both include fried potatoes, refried beans, flour tortillas and your choice of Mexican hot chocolate or coffee. The price is \$3 per person and tickets can be purchased from any SHPE member or at the door.

KAPPA SIGMA

Sunday, Oct. 24, 4:30-8 p.m., SPAGHETTI DINNER, all-u-can-eat for only \$2.50!! Garlic bread and drinks provided. At Kappa Sigma fraternity, 1701 White Columns Drive. Sponsored by Stardusters. Tickets will be available at the door.

TUESDAY

SAE ST. LOUIS SECTION MEETING "STUDENT NIGHT"

The St. Louis Section of SAE will present a program on the design of a CAN-AM race car. This meeting will be held at Parks Air College Oct. 19 at 7 p.m. in East St. Louis. Dinner will be served for \$4 for all SAE student members at the Kitty Hawk Lounge. Transportation will be provided; departure is scheduled for 4 p.m. Oct. 19. Sign up in front of Dr. Johnson's office.

BLUE KEY "MINER OF THE MONTH"

Blue Key "Miner of the Month" applications for September are due Tuesday, Oct. 19, and should be returned to the Candy Counter in the Student Union. Come on UMR, help us recognize someone who has done organizational work above and beyond the call of duty.

CO-OP CLUB

The Co-op Club will have a meeting on Tuesday, Oct. 19, at 7 p.m. in the C.E. auditorium, Room 117. Guest speakers will be Don Pace from Missouri Pacific Railroad and Ron Lauber from McDonnell Douglas. All interested students are invited.

SOCIETY OF PHYSICS STUDENTS

The Society of Physics Students will hold a general meeting on Tuesday, Oct. 19, at 7 p.m. in Physics 130. Dr. John T. Park will give a short talk concerning his research at UMR, followed by a tour of his accelerator laboratory. All are welcome.

WEDNESDAY

A.S.M.E.

There will be a meeting of the American Society of Mechanical Engineers on Wednesday, Oct. 20, at 7 p.m. in the Mechanical Engineering auditorium. The guest speaker for this meeting will be from General Motors Corp. All are welcome to attend. Refreshments will be served.

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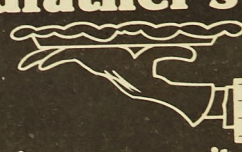
The HP41C Users Club of UMR will meet Wednesday, Oct. 20, in EE 103. The meeting will start at 7 p.m. New members welcome!!

BARBER SHOP QUARTET

Any male interested in singing barber shop quartet music is invited to sing in a newly formed group every Wednesday at 2:30 p.m., 101 Old Cafe. You do not have to sing in any choir to participate. This is non-credit, and all are invited to join in the fun. For more information, call Kevin, 364-2157.

cont. page 4

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BOOKS & THINGS

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JMR Stonehenge better than the original

SOURCE: OPI

Stonehenge, the ancient megalith located on Salisbury Plain 75 miles southwest of London, represents one of man's oldest and most sophisticated computers, according to Dr. Joseph J. Wollard, chairman of the UMR civil engineering department, and an astronomer.

"The original Stonehenge was built in three stages beginning about 2800 B.C. and ending about 1100 B.C.," Wollard explained. "The people who constructed it had a great deal of knowledge about the sun and moon in it."

"The entire array is so oriented that the rising sun at the summer solstice (June 21) could be observed through the central trilithon aligned with the 'heel stone' outside the ring," he continued. "The 19 sarsen stones following the one-half size stone indicates that Stonehenge's builders were aware of the 19-year eclipse cycle, while the 29½ sarsen stones represented the lunar month."

"Consequently, it could be used to predict seasonal changes, eclipses and moon phases, making it a sophisticated computer for the ages," he added.

The original Stonehenge also can be classified as one of the world's outstanding engineering projects.

The proposed construction of a one-half-scale partial reconstruction of Stonehenge at UMR, a monument which will be known as UMR-Stonehenge, will offer an interesting juxtaposition.

"The monument will be located at 14th street and Bishop avenue adjacent to the site of the planned new Mineral Engineering Building. It will place a simulation of an ancient computer in close proximity to UMR's modern computer facilities in the Mathematics-Computer Science Building," said

Joseph D. Wollard, UMR executive director of administrative services and chairman of the UMR-Stonehenge committee.

"Given UMR's emphasis on engineering and the sciences it was felt that a monument such as UMR-Stonehenge would be a particularly appropriate and valuable addition to campus," he added.

Planning for UMR-Stonehenge has been a long-term project. "UMR-Stonehenge has been a feature of the campus master plan for the last three years and fits in with the concept of architectural landscaping for the campus," Wollard said. "It also has been included in all of the architectural drawings for the Mineral Engineering Building."

A marker bearing the inscription "UMR-Stonehenge" has been placed in the center of the monument. This marker identifies the spot as an official triangulation point in the National Geodetic Survey's North American Triangulation Network. (Such points are used for mapping and control purposes.)

The timetable for construction of the replica is flexible. "All UMR personnel who are involved in the project will work on it only as their schedules permit," Wollard said. "UMR-Stonehenge will be built with funds and materials that have been donated specifically for the project. No state money will be used."

UMR's replica of Stonehenge will incorporate many of the features of the original in its design. It also will include two capabilities that the original did not possess.

It will feature a 50-foot-diameter ring of 29½ sarsen stones around a horseshoe of five trilithons through which various sightings of sunrise and sunset can be made. The sarsen stones will be 1½ feet

high, while each of the trilithons will measure 13¼ feet from the ground to the top of its lintel. There also will be a "heel stone," four compass markers and low-level lighting for night use.

On June 21 (summer solstice), the summer sunrise will be located

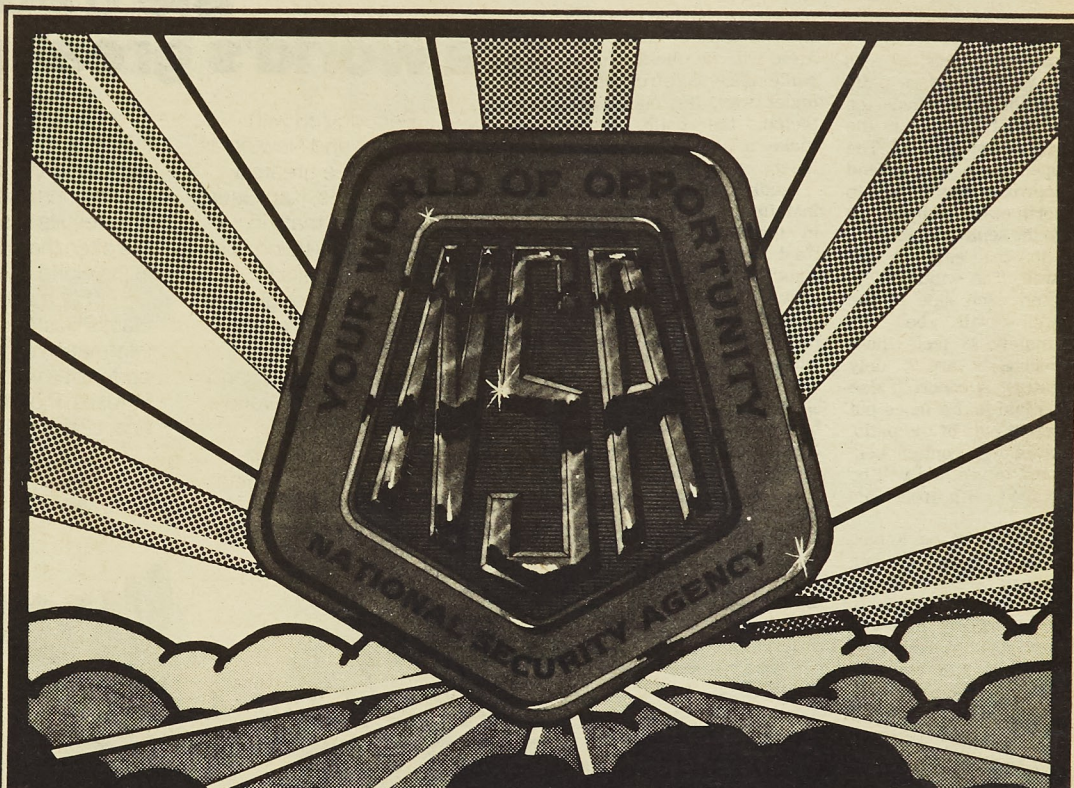
between the interfaces of the southwest trilithon and above the heel stone 145 feet to the northeast, while the summer sunset will be visible through the interfaces of the northwest trilithon. On Dec. 21 (winter solstice), the winter sunrise will be located between the

interfaces of the southeast trilithon, and the winter sunset will be visible between the interfaces of the southwest trilithon.

The south-facing trilithon will be provided with an aperture for an analemma. During the year, the noon sun shining through this

opening will describe a figure "8" on the horizontal and vertical stones at the base of the trilithon. At noon each day, the analemma can be used to determine the

see UMR
page 4



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UMR Stonehenge from page 3

date from the location of the sun's image on the figure "8".

The north-facing trilithon will be equipped with a "polaris window" through which the North Star can be

viewed. Both this feature and the analemma were not part of the original Stonehenge.

About 160 tons of granite will be used in the monument. The rock will be cut to the proper dimensions by UMR's Rock Mechanics and Explosives Research

Center, using water jet techniques.

Because UMR-Stonehenge is a part-time project for those involved and because of "certain specific con-

Music & poetry concert

Stephen Nachmanovitch and Howard Schwartz will present "Earth's Answer: A Cycle of Music and Poetry" at 7:30 p.m. Wednesday, Oct. 20, in the Mark Twain Room, University Center-East, UMR.

Nachmanovitch will play

violin and viola compositions that he composed and Schwartz will read selections from his works during the program, the title of which is derived from a song by William Blake.

Nachmanovitch also will

present a lecture and slide show on "Blake's 'Book of Job'" at 9:30 a.m. Tuesday, Oct. 19, in the Meramec Room, University Center-East.

Both of the programs are free and the public is invited.

Auxiliary Services to build patio

By PAT
VAN RYCHEGHEM

Auxiliary Services is planning to build a patio around the stairwell on the east side of the Deli in the University Center-West. The u-shaped patio will extend for approximately 24 feet to the north of the stairwell, 20 feet to the south and about 10 feet to the east of the stairwell. The width of the patio on each side of the stairwell will be approximately 23 feet (these dimensions are only estimates). A concrete slab will be laid and a fence put up around part of the patio. The area will contain benches and tables and will be landscaped with trees and bushes.

The area will be a nice place for students who bring their lunch to campus with them, it will be able to handle overflow from the Deli, and it will make a nice study and/or recreation area when the weather is warm. The plans for the patio are kept in the housing office and

are open to anyone who may wish to look at them. The area will be messy for a while once construction is under way, but once completed, the patio should make a nice improvement too the campus.

Auxiliary Services is also installing an ice cream bar in the University Center-East cafeteria. The construction will begin soon and should be finished in about a month. Eight different flavors of hard ice cream will be offered, along with soft serve ice cream. Malts, shakes and sundaes will also be served. A green and white canopy will give the ice cream bar the look of a sidewalk ice cream stand. Food Management will staff and operate the ice cream bar. The hours will complement the cafeteria's serving hours and there should be no interference with the cafeteria's schedule. So keep a look out for upcoming special from the new ice cream bar.

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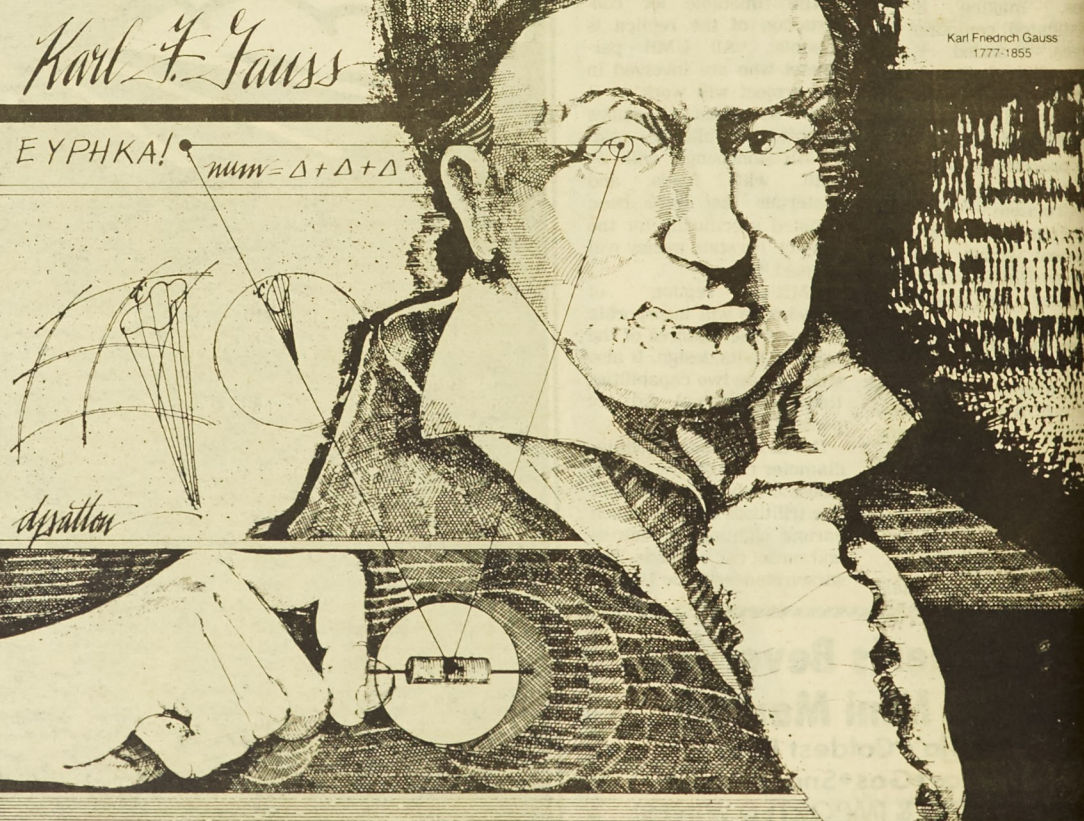
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MISSOURI MINER

Thursday, Oct. 14, 1982

Page 5

Job search is key to success

By BARB THOMAS

The most important step in the job hunt is the job search. The key to success in this step is in how you start. Many students use the typical approach to find a job but there is an alternate approach.

The typical approach is to follow one or two leads obtained from a secondary source such as a friend or a newspaper ad. These leads might turn into an interview or two but, unfortunately, they are more likely to lead to rejection. A rejection after you have raised your hopes and expectations can easily be taken too per-

sonally. After two or three rejections it is easy to become depressed and after five or six rejections many acquire a "don't care" attitude that causes their job search to stagnate.

Another approach, the alternate approach, is the key to getting the job you want, although it takes more effort initially. It involves pursuing 20 to 50 leads simultaneously instead of just a few. With this approach you can develop better job contacts and, even though most individuals you know won't be able to hire you, each of them will probably know two or three people who might have a

position for you.

This approach has several advantages over the typical approach, the main one being that you will not only get a job, but will probably get to choose between offers. Furthermore, you will stay busy while waiting for replies and you will come to accept rejection as the company's loss not yours.

Networking is another important concept in the job search. It entails talking to people in your profession and through these people, learning more about your profession. It's an ideal chance to learn about problems, benefits and the future of the profession

without risking taking a step you might regret. It's an excellent opportunity to get any questions you might have answered. After talking to enough people you'll begin picking up the language of your trade and will begin to sound more professional and will ac-

tually feel yourself becoming a professional.

Because the job search is so important, it should not be taken lightly. Job hunting is less effective when it is a casual, when-you-have-time type of activity. The results are always better when your

job search is an active and a busy one that makes a demanding use of your time. If your search is not of the highest priority to you, it will show through in your attitude and behavior. It's important to make the job hunt your most immediate job.

Student Council is

For the students

By HEIDI FLUEGEL

With higher activity fees and the chance of a supplemental fee the students at UMR can expect to pay more for their education.

Activity fees can be expected to increase because of inflation, but what about the increases over inflation? Student Council will be sponsoring an open forum.

This open forum will consist of a panel of speakers from Auxiliary Services, Rollamo, St. Pat's Board, KMNRR and others, who spend student activity fees. They will speak on why their organization is asking for an increase in activity fees over an inflationary increase. The student body is encouraged to attend. The open forum will be Tuesday, Oct. 19, at 9:15 in Room G-3, Walter

Shrenk Hall (chemistry building).

There is a newly proposed supplemental fee. Vice President Bucholtz has drawn up a supplemental fee proposal calling for a \$10 an hour fee rather than the UMR Budget Review Committee recommendation of \$43.50. This is another proposal in the long line of many which will be made before a decision is reached.

Groundwaves

By MIKE GRIMM

Ahem. May I have a small part of your mental capacities for a moment, or at least the length of this article?

In the last few weeks I've talked to a random sample of you, the listeners. I found that approximately 90 percent of the students of UMR listen to KMNRR at least occasionally. (Only 1 percent said, "What's a KMNRR?") of that 90, about five percent said they listened to us exclusively. One girl, who said she listened to KMNRR every

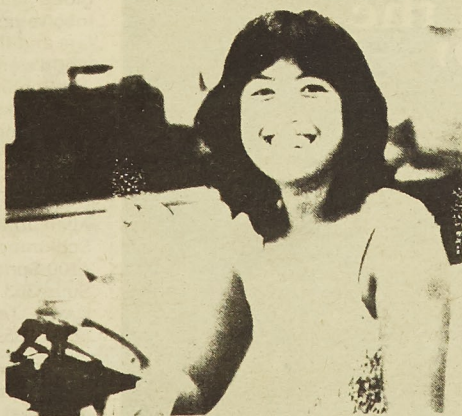
time she turned on her radio, explained that her dial was broken and she couldn't retune it. (I was deeply touched by her dedication.)

When I asked the majority of you (who said you only listened to us occasionally) why you didn't listen more, the overwhelming response was either "You play too much 'wierd' music," or "The music is too hard to study by," i.e. Too much "hard" rock. Well, I'd like to confess (in front of God and everybody) that I'm not one of the 5 percent who said they listened to KMNRR exclusively. Yes, even

though I work there, KMNRR doesn't have my undivided attention for the above listed reasons. (I'm taking my life into my own hands by telling you that.) However, I can say that when I turn my stereo on, KMNRR is the first choice of my musical alternatives.

My purpose in writing this article is to suggest that you try the same thing. (If you don't already.) Because in these hard times of Reaganomics, we should all try to get the most for our money. And since KMNRR is funded by your activity fees, I invite you to maximize.

MATH-SCIENCE



Ask a Peace Corps volunteer why she teaches math and general science to high school students in Liberia, West Africa... Ask another volunteer why he teaches biology and physics in the Pacific Islands. They'll probably say they want to help people, want to use their skills, travel, learn a new language or experience another culture. Ask them:

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Fri., Oct. 15**

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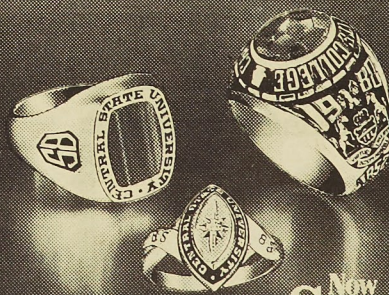
Mother-In-Law's Day
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Free concert, Wed. Oct. 20

Music and poetry

"Earth's Answer: A Cycle of Music and Poetry" will be presented at 7:30 p.m., Wednesday, Oct. 20th, in the Mark Twain room. Stephen Nachmanovitch will play violin and viola compositions of his own creation. Howard Schwartz will read from his own works.

The title of the evening's performance derives from a line of a song written by William Blake. Nachmanovitch's compositions are characterized by free-flowing patterns of sound reminiscent of Ravi Shankar and J.S. Bach.

Stephen Nachmanovitch studied at Harvard and the University of California (Ph.D. in the History of Consciousness). His prin-

cipal teacher was anthropologist Gregory Bateson. He is a violinist, composer, and poet, and is on the faculty of the Wright Institute in Berkeley, where he teaches psychology. His research has embraced a wide range of material, from ethological studies of protozoa and monkeys, cognitive psychology, play in children and adults, cybernetics, myths and archetypes, to the work of William Blake, Jung, and other visionary artists and scientists. The unifying thread here is the science of contest in living organisms and in the bodies, languages, cultures, sciences, arts and religions they produce. Music, as direct communication of pure context

or pattern, has become his major activity. As a musician and poet he has performed widely, in solo-concert and mixed media settings.

Howard Schwartz writings include poems, fairy tales, and short stories. Schwartz presently teaches courses in creative writing and Jewish literature at the University of Missouri, St. Louis. In addition to "The Captive Soul of the Messiah", he is the author of three books of fiction, "A Blessing Over Ashes", "Lilith's Cave", and "Midrashim: Collected Jewish Parables" and "Rooms of the Soul"; two books of poetry, "Vessels" and "Gathering the Sparks"; and a book-length selection of his dreams,

"Dream Journal". He has also edited "Imperial Messages: One Hundred Modern Parables" and co-edited (with Anthony Rudolt) "Voices Within the Ark: The Modern Jewish Poets", both for Avon Books. He is currently editing "Gates to the New City: A Treasury of The Four Who Entered Paradise". "Elijah's Violin: A Treasury of Jewish Fairy Tales" is forthcoming from Harper & Row.

Everyone is invited to this free program of original music and writings. Sponsored by the music/art department, this project is supported by the Missouri Committee for the Humanities.

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St. Pat's Facts

By MIKE SIMMS

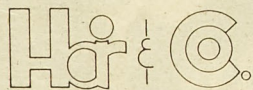
On Oct. 1 the St. Pat's Board defeated the IFC in the Green-Gray classic football game 15-14, in a closely contested struggle. The score after 40 minutes of regulation play was tied 14-14 and it wasn't until after a tough overtime period that the St. Pat's Board emerged victorious. This year's victory ran the St. Pat's Board's undefeated string to seven. There was plenty of beer flowing and a good time was had by all. I would like to thank all the rowdy fans

who came out and made this year's game the best ever.

The theme for the 1983 St. Pat's parade is Engineering Wonders of the World. All entries are to be turned in at 3:30 p.m. Nov. 8, at AEPI. If you have any questions please contact Joe Schuster at 364-7176.

Anyone with information concerning the whereabouts of past St. Pat's queens please contact Greg Monroig at 364-0508. There are only 154 days left until the 75th Annual Best Ever. Get psyched and buy green!!

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Mike Stroder 1984

The Interview

The year is 1984, and Bob and Mike, the migrant engineers, are interviewing with UMR Auxiliary Enterprises, which has taken over the campus and renamed it U. of Auxiliary Enterprises — Rolla. We continue our stirring saga as Mike and Bob talk to the new personnel director.

"Gentlemen, you passed the bureaucracy test with flying colors."

"I'm not so sure I like that", muttered Bob under his breath.

"Well, you've got the jobs. Let me tell you about some of the wonderful changes we have in store for UAER."

"Changes?"

"Yes, first of all, we're going to eliminate that unnecessary library and turn it into a dining hall."

"But that's the 52nd one on campus!" Mike protested.

His pleas fell on deaf ears as the director got up and walked about the room. "And this St. Pat's business... well, it's getting old. We are thinking about revolving the holiday around another historical figure. Therefore next year, we're going to have... day festivities!"

"Torquemada!?" Mike and Bob exclaimed in

unison.

"Yes, I've always been... rather fond of the Spanish Inquisition" the director said while wiping a trace of foam from the corner of his mouth. "I can see it now... Torquemada's Board Reps selling miniature thumb-screws bearing the UAER seal... the parade with the Grand Inquisitor leading the festivities... and then there's the freshmen" he added with an evil snicker.

"Say, I know of a prof who's also a student of Torquemada's techniques. Perhaps you've heard of

Dr..."

"But wait" the director interjected, "perhaps Torquemada isn't the proper choice. Perhaps... yes, that's it!! Atilla the Hun! Atilla's Board Reps, raping, pillaging, and plundering their way across the countryside..."

"So what's changing?"

"Yes, I suppose you're right. Hitler maybe? No, everybody uses Hitler. Mussolini... he's got possibilities. Of course! Marquis De Sade Day!!"

"Well, we'd love to stay and chat, but..."

The director whirled around snarling "And where do you think you're going?"

"I heard an unattended beer bottle open, didn't you, Bob?"

"As a matter of fact, I did. Somewhere in the vicinity of the Top Hat, I believe."

Suddenly steel bars appeared from nowhere and blocked all exits as the director laughed insidiously. "So, you're not sympathetic to our cause, eh? I'm afraid it's going to be... the Differentiator for you!! Ah-hah-hah..."

The scene fades to black

and Rod Serling suddenly appears. "Submitted for your approval... an organization out of control — driven mad by expansionist views that have lost sight of their original goal of representing student needs... two ex-students come home to realize that they may have had little control in the past but now they have none. Through them we see a possible UMR of the not-so-distant future... which lies on the outskirts of... the Twilight Zone."

(Fade out to Twilight Zone theme.)

SUB movie

Arthur

By SUSANNE ORRELL

"Arthur," a hilarious, zany and delightful comedy, will be presented on Sunday, Oct. 17 at 4 and 6:30 p.m. in Centennial Hall. The movie is free and open to all UMR students with a valid UMR ID. "Arthur" starring Dudley Moore as a millionaire playboy, Arthur Bach, is a comic gem with golden moments of fun. Funded from his grandmother's purse, Arthur is out on a spree every night in Manhattan. To insure his inheritance, Arthur must marry the dreary debutante his parents have chosen for him. But when a lovable shoplifter (Liza Minnelli) steals his heart, all the wedding plans are turned upside down. Arthur's upper crust servant Hobson (John Gielgud) is unsure of Ar-

thur's lovable shoplifter until the couple's true love wins him over to their side. Don't miss "Arthur," a high-spirited, screwball comedy, on Sunday, Oct. 17. This presentation of sparkling entertainment is brought to you by the Student Union Board Indoor Recreation Committee.

One Horse Books & Records

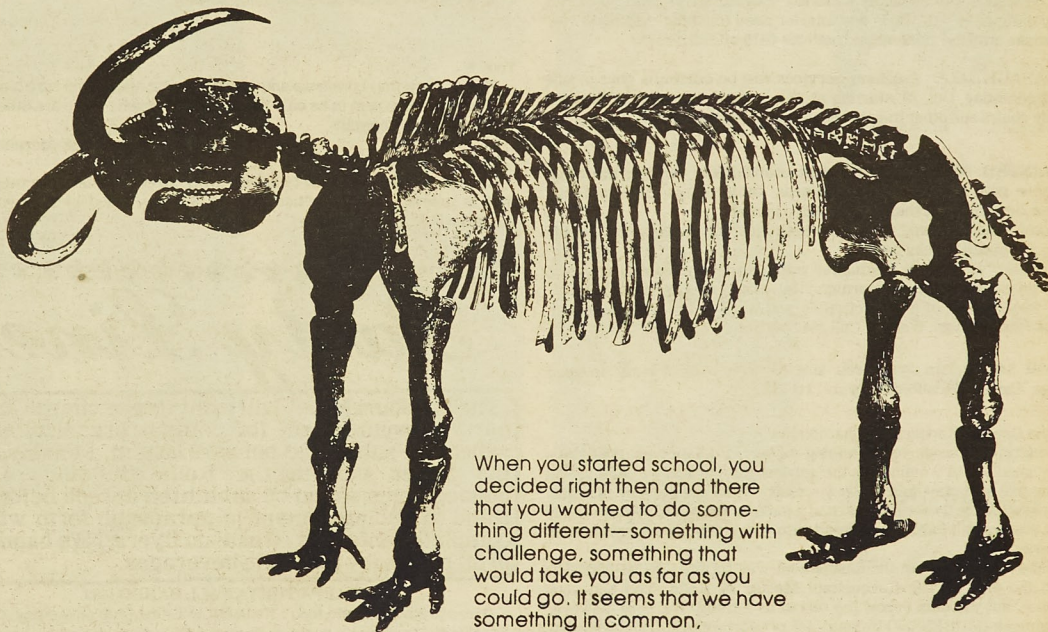
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If you're interested in a full-fledged career as a **GEOLOGIST, GEOPHYSICIST, RESERVOIR ENGINEER, PETROLEUM ENGINEER OR LANDMAN**, contact our representative on campus, October 25th, 26th & 27th, or call collect or write to us TODAY. Both full-time and summer positions are available.

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

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

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

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

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

Summit Ski Trips!!! Ski Steamboat, Breckerridge, Crested Butte, Winter Park, Vail or Aspen/Snowmass. For more information, call Linda Hardesty at 364-6993 (evenings).

WANTED: Person with TRS-80, Model III with disk, to trade programs. Please call 364-0362.

LOST: TI-55 calculator lost Wednesday, Oct. 6, in Physics Building or Library. Call Mark, 364-5339.

WANTED: A ride to St. Louis on Friday, Oct. 22, for two people. Please call after 4 p.m., 364-4512. Will help with gas.

Need a ride for two people to Columbus, Ohio, for Thanksgiving break. Call Brad at 364-8115.

FOR SALE: 1973 Pinto V8, 289 block, 351 heads, TRW 12.5:1 pistons, 4 bbl, C6 transmission, 3.70 gears, dual exhausts and glass packs, Mustang front and rear suspension. Sparkomatic stereo, equalizer, and 50 watt 3-way speakers included. Engine strong and quick, no body damage or rust. Body and interior need finishing. Asking \$1,700, but make an offer. If interested, call 364-0419 after 5 p.m.

GARAGE SALE: Auxiliary Services will be holding a garage sale on Wednesday, Oct. 20, starting at 10 a.m. at 610 W. 10th St. Wooden study chairs and other miscellaneous items will be sold.

WANTED: Volunteer tournament coordinator: Frisbee throwing, Frisbee golf, darts, foosball, billiards, table tennis, backgammon, chess, bowling, bocci ball, cards, video games.

Want to get involved with more activities but don't want to hassle with a committee year-round?

Auxiliary Services is looking for volunteer tournament directors to coordinate one or several tournaments. All supplies are provided.

If you like any of these activities and want to get more involved, please contact John Watson. Call 364-8066 before 4:30 p.m.

FOR SALE: Two snow tires, size E-78-14, without rims. In good shape. Call Jeanne after 2:30 p.m., 341-2767.

To the Doubles Racquetball Champion:

Congratulations on your stunning victory. You and you alone did a very good job in winning for the second year in a row. (And we all know that you play doubles by yourself — you are so very talented. You might even do better if you had a partner!) I would venture to say that you are still totally impressed with yourself and your racquetball abilities.

But everyone else in the tournament was totally UNIMPRESSED with the play of The Racquetball Master of Rolla. You had your chance, but you didn't show the rest of us a thing. We were, however very much IMPRESSED by your lack of sportsmanship and your cry-baby attitude. To tell you the truth, everyone was very tired of hearing you whine about every close call. We were also extremely bored with hearing how good you are, because we now know that such a phenomenon does not exist. (So much for the Eighth Wonder of the World!)

One last word. You are not the best; you are not even close. Maybe no one you play can beat you, but then you don't play the right people. Remember: NO ONE is as good as YOU say YOU are!

Signed,

TKE 1982 Doubles Racquetball Team

P.S. Since you like to keep score, let us remind you of one thing: You are no longer undefeated in Rolla! Eat your heart out!

Ken W.,

Happy (belated) birthday — did you think I forgot?

a G.H.

Prof Goeke:

I'm the one that called you on the phone that Sunday night. You seemed quite upset when I was inquiring about the test coming up. Your language, screaming and childlike "HANG-UP" sure showed me the amount of education you've had (NOT ENOUGH TO TEACH AT UMR). I'm watching you and you shall get your medicine too! I feel for your students still in your classes.

Educated Student

P.S. Don't forget to whisper about the next test so no one will know.

Dear Cindy,

I had a great time with you Saturday night. You looked great and you were great to be with. I hope you enjoyed meeting my family. My parents like you very much. You're a real sweetie, Cindy. Thanks again for a great night.

Ray

Holly H.,

Happy 21st birthday! Congratulations, you finally made it!

TRH

Happy birthday Mung! Yes, we mean you Paul. Have a nice day!

T.T. and LAR

OSI and POLY Computer Owners:

Coming soon to Rolla will be the store to answer all of your OSI and POLY needs. Uncle Gary's Computer Store will be opening in Rolla the week of Dec. 27, 1982. Watch for our Grand Opening Sale. For more information, please call our regional office, 1 (816) 844-1212. This is not a toll-free call.

Jane P.,

Congratulations on winning the R-ball Tournament (congrats to you, too, Susan). Let's hear it for Independents.

Signed,

Gachtonquum

P.S. You still owe me.

Janie,

Things jist ain't the same without ya. I really miss ya.

Love,
Nat

If you have a good idea on how to spend \$10,000 to benfit the UMR campus, speak up and tell us! Contact your Student Council rep or turn in suggestions to the StuCo office, Room 202 UC-W.

Perry H.,

Sorry to hear about your "accident." Hope you're feeling better soon!

Love Ya,
HBHA

To Sharon, Gina, Eve, Paula, Suzy and Donna,

Boy, you looked good representing Stardusters in the swim meet. Thanks for working so hard and doing so well.

Anonymous Kappa Sig

To K.F.,

Please learn that bossiness and overpowering leadership sure looks bad on you. You seem to be only thinking of yourself; there are others in the class besides you!

MWF-Mornings

Ginny,

Have you figured out who I am yet? Only three days until we meet, that is unless you're all "tied up" on Sunday. Good luck playing Magnum P.I.

Your Big Sis

Party Line

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

PHI KAPPA THETA FALL BARBQ 1982

Tired of the same old food? Head out to Lions Club on Sunday, Oct. 17. For \$2.50 you get a quarter chicken plus side dishes and a beer or soda. Music will be provided free by Nuthin' Fancy and The Upbeats. Come on out any time between noon and 7 p.m.

"STAIRWAY TO CLEVELAND" PARTY

Get in shape to face your parents at Acacia's "Stairway to Cleveland" party. The festivities begin at 8 p.m. this Friday night with tunes provided by the KMNRR Roadshow.

GDI

GDI will have a general membership meeting on Thursday, Oct. 14, at 7 p.m., G-3 of Chem Building. Refreshments served afterward. All welcome!!!

GDI

GDI will have a Halloween Party on Saturday, Oct. 30, at Tech Engine from 8 p.m.-1 a.m. All are welcome to help celebrate!!



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341-3300 Weekdays 9-5

Jane,

You brightened up House D for over a year and it won't be the same without you. Good luck with everything you do.

Room 22

(Pumpkin, Wilkerslut and Dr. Proctor)

To the best looking guy in a green jacket:

Eight months gone by, fights are many,

But I couldn't trade ya, not for any!

You're my life, smiles, happiness at most

Let's postpone the daily argument, and just make a toast.

We'll make it last, we've made it this far,

Just get your check cashed, so you can buy me that car.

Alias Sally

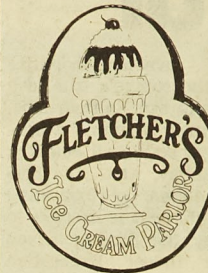
Searching for one coffee table, must be able to support three dating couples. Call I.G.B. House, 341-2669.

It's settled... My next car is gonna have a narrower front seat.

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Saturday, Oct. 9th

10:30 p.m.-1 a.m.

Cost \$4.50 per person

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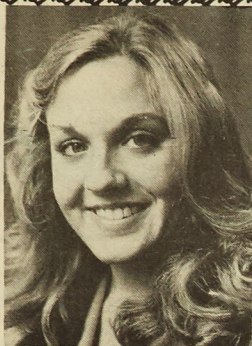
Bus. Loop I-44 W. Rolla

364-4124

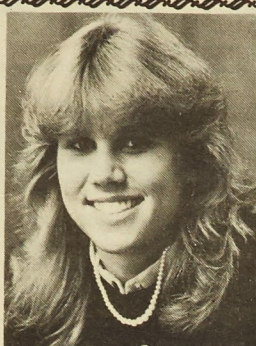
MILITARY BALL QUEEN NOMINEES



Anita Tikey
Kappa Sigma



Cherilyn Sachs
Lambda Chi Alpha



Claire Juergens
RHA



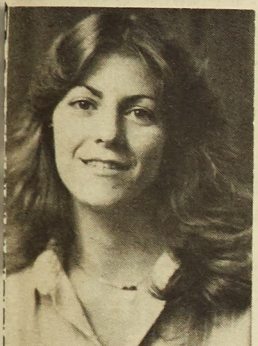
Pandra Montague
Alpha Kappa Alpha



Dana Hix
MHA



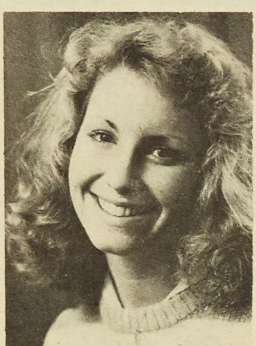
Phelia McDonnell
Sigma Pi



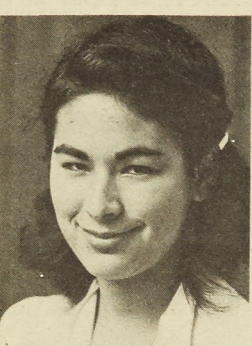
Connie Rydeen
Delta Sigma Phi



Lorraine Kelley
Sigma Nu



Teresa Hof
Chi Omega



Ann Carter
Independents



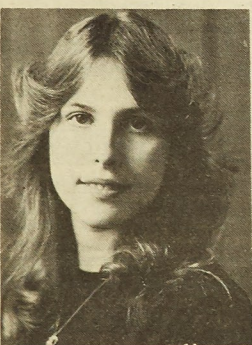
Kimberly Breier
Tau Kappa Epsilon



Angela Murch
Zeta Tau Alpha



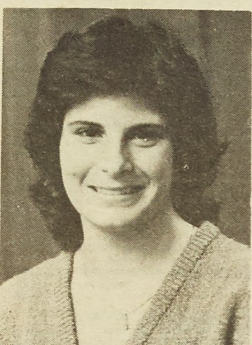
Cheryl Grigone
Pi Kappa Alpha



Hollye Keller
Tech Engine Club



Janis Johnson
Phi Kappa Theta



Laura Eaton
TJHA



Sarah Hahn
Kappa Delta

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Saturday
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8 Oz.

Golden
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Great Sunday Buffet

Summer Employment

UMR CAREER DEVELOPMENT & PLACEMENT OFFICE, BUEHLER BLDG.
9th & Rolla Streets

THE FOLLOWING COMPANIES WILL BE INTERVIEWING DURING THE WEEK OF NOVEMBER 8-12, 1982. SIGNUPS WILL BE ON TUESDAY, OCT. 26, 1982, IN THE UNIVERSITY CENTER WEST, RM 216, FROM 8:30-11:30 AM; 1:00-3:30 PM ONLY.

UNION OIL COMPANY OF CALIFORNIA, Houston, TX
Will interview students who are first year graduate students and graduating seniors. Interviews and signups will be for afternoon only. U.S. CITIZENSHIP REQUIRED BY COMPANY.
Location: unknown
Interviewers: W.D. Adams, Vance Lynch
Interview date: November 9, 1982

THE FOLLOWING COMPANIES WILL COLLECT RESUMES ONLY - TURN IN ON TUESDAY, OCT. 26, IN THE UNIVERSITY CENTER WEST, RM 216, FROM 8:30-11:30 AM; 1:00-3:30 PM ONLY.

MARATHON OIL COMPANY, Houston, TX - will collect resumes from students in Geophysics.

MARE ISLAND NAVAL SHIPYARD, Vallejo, CA - will collect resumes from students in Chemical, Civil Engineering, Engineering Management, Mechanical, Nuclear Engineering.

CHANGE IN SCHEDULE -

GETTY REFINING AND MARKETING COMPANY, Tulsa, OK - will interview Advancing Sophomores, Advancing Juniors in Electrical, Chemical, Mechanical Engineering. (Original request was for Chemical, Mechanical Engineering).

GETTY OIL COMPANY, (Minerals Group), Salt Lake City, UT
WILL HOLD A GROUP MEETING FROM 3:15-4:00 PM ON OCT. 26 IN THE MARK TWAIN ROOM. (SIGNUPS ON OCT. 19).

Permanent Employment

UMR CAREER DEVELOPMENT AND PLACEMENT OFFICE, BUEHLER BLDG.
9th & Rolla Streets

Campus interviewing for week of November 8-12, 1982

MONSANTO CO., St. Louis, MO
Will interview December, May, July grads with BS/MS/Chemical Engineering for Process Design, Plant Process/Project Engineer, Process Development, Process Control Systems Design, Construction, Sales; BS/MS/Electrical Engineering for Plant Engineering, Maintenance, Power Distribution, Lighting and Motor Control Design, Construction, Sales; BS/MS/Mechanical Engineering for Mechanical Design, Maintenance, and Plant Engineering. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.
Location: nationwide
Interviewers: Roger Volk, Mike Black, Lou Spandell, and Gordon Grundmann
Interview date: November 8, 9, 10, 1982 Priority signup: Oct. 22, 1982 Regular signup: Oct. 25, 1982

BOISE CASCADE COMPANY, Hazelwood, MO
Will interview December, May grads with BS/Engineering Management (background in basic language) for Industrial Engineer position. Setting standards, cost reduction and productivity studies. U.S. CITIZENSHIP REQUIRED BY COMPANY.
Location: St. Louis
Interviewers: unknown at this time
Interview date: November 8, 1982 Priority signup: Oct. 22, 1982 Regular signup: Oct. 25, 1982

U.S. NAVY RECRUITING STATION, St. Louis, MO
Will interview December 1983 grads with BS/MS/PhD in all science degrees for operation, supervision and maintenance of over 140 nuclear reactors and their associated equipment; teaching graduate level classes to nuclear trained officers in Orlando, FL - U.S. Navy's Div. of Naval Reactors. U.S. CITIZENSHIP REQUIRED.
Location: Hawaii, Calif., Conn., Virginia, S. Carolina, Georgia, Washington State, Florida
Interviewers: LT Wice
Interview date: November 8, 9, 1982 Priority signup: Oct. 22, 1982 Regular signup: Oct. 25, 1982

U.S. ARMY MATERIEL DEVELOPMENT & READINESS COMMAND (DARCOM), Davenport, IA
Will interview December, May grads with BS/Aerospace, Chemical, Civil, Electrical, Mechanical, Metallurgical Engineering, Physics for training - one year at the Intern Training Center, Red River Army Depot, Texas. TX, with subsequent assignment to permanent duty location. Training will be in Product/Production, Safety, Maintainability, or Quality & Reliability Engineering. ALL POSITIONS ARE CIVILIAN ENGINEERING. U.S. CITIZENSHIP REQUIRED.
Location: Nationwide
Interviewers: Mr. Robert W. Porter
Interview date: November 8, 1982 Priority signup: Oct. 22, 1982 Regular signup: Oct. 25, 1982

MARE ISLAND NAVAL SHIPYARD, Vallejo, CA
Will interview December, May grads with BS/MS/Chemical, Civil, Mechanical, Nuclear Engineering, Engineering Management for Mechanical Engineer, Electronics Engineer, Electrical Engineer, Electrical (power) Engineer, Industrial Engineer, Welding Engineer, Nuclear Engineer, Naval Architect in Nuclear Engineering, Production, Public Works Departments, Design Division, Quality Assurance Office, Combat Systems Office, Radiological Control Office, and Occupational Safety and Health Office. U.S. CITIZENSHIP REQUIRED BY COMPANY.
Location: Mare Island Naval Shipyard, Vallejo, CA
Interviewers: Mr. C. Garrison
Interview date: November 9, 1982 Priority signup: Oct. 25, 1982 Regular signup: Oct. 26, 1982

OKLAHOMA DEPT. OF TRANSPORTATION, Oklahoma City, OK
Will interview December grads with BS/MS/Civil Engineering for Engineer-in-Training. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.
Location: Oklahoma (all over the state)
Interviewers: Earl Lynn
Interview date: November 9, 1982 Priority signup: Oct. 25, 1982 Regular signup: Oct. 26, 1982

U.S. PATENT AND TRADEMARK OFFICE, Arlington, VA
Will interview December, May, July grads with BS/MS/PhD in Aerospace, Ceramic, Chemical Engineering, Chemistry, Civil Engineering, Electrical Engineering, Geological Engineering, Mechanical Engineering, Metallurgical Engineering, Mining, Nuclear, Petroleum Engineering for Patent Examiner, Department of Commerce (U.S.). U.S. CITIZENSHIP REQUIRED.
Location: Arlington, VA
Interviewers: unknown at this time
Interview date: November 9, 1982 Priority signup: Oct. 25, 1982 Regular signup: Oct. 26, 1982

KERR MCGEE CORPORATION, Oklahoma City, OK
Will interview on November 9, 1982. No information available at this time.
Priority signup: Oct. 25, 1982
Regular signup: Oct. 26, 1982

UNION OIL COMPANY OF CALIFORNIA, Houston, TX
Will interview MS/Geology/Geophysics graduating in the Spring or Fall of 1983. MORNING INTERVIEWS ONLY. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.
Location: unknown
Interviewers: Vance Lynch, W.D. Adams
Interview date: November 9, 1982 Priority signup: Oct. 25, 1982 Regular signup: Oct. 26, 1982

AMERICAN HOECHST CORPORATION, Somerville, NJ
Will interview December, May, July grads with BS/MS/Chemistry - organic, analytical, polymer; Chemical, Mechanical, Electrical Engineering. Detailed information regarding positions located throughout the U.S. will be posted with signups for American Hoechst. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.
Interviewers: unknown
Interview date: November 10, 1982 Priority signup: Oct. 27, 1982 Regular signup: Oct. 27, 1982

DOWELL, Div. of Dow Chemical U.S.A., Houston, TX
Will interview December, May, July grads (FOR OPENINGS AFTER MAY 1983) with BS/Chemical, Electrical, Geological, Mechanical, Mining, Petroleum Engineering, Chemistry, Geology for Field Engineering Representative Training Program. Well stimulation and cementing services for oil, gas and other mineral extraction industries. The program offers challenging training for future openings in engineering management and technical sales. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.
Location: throughout the U.S.
Interviewers: D.L. Lang
Interview date: November 10, 11, 1982 Priority signup: Oct. 26, 1982 Regular signup: Oct. 27, 1982

OMAHA PUBLIC POWER DISTRICT, Omaha, NE
Will interview December, May, July grads with BS/Chemical Engineering; BS/MS/Electrical, Mechanical, Nuclear Engineering. U.S. CITIZENSHIP OR PERMANENT RESIDENCY REQUIRED BY COMPANY.
Location: Omaha, NE
Interviewers: Steven C. Spitznagel, Gloria J. Hill
Interview date: November 10, 1982 Priority signup: Oct. 26, 1982 Regular signup: Oct. 27, 1982

RALSTON PURINA COMPANY, St. Louis, MO
Will interview DECEMBER grads (May grads, sign back-up list) with BS/Comp Sci, Electrical, Mechanical Engineering for Entry Level Program. All facets of Engineering & Research with special emphasis in design & project engng. U.S. CITIZENSHIP REQUIRED BY COMPANY.
Location: unknown; Interviewer: David Avakian
Interview date: November 11, 1982 Priority signup: Oct. 27, 1982 Regular signup: Oct. 28, 1982

INTERNAL REVENUE SERVICE, Houston, TX
Will interview on November 10, 1982. No information available at this time.
Priority signup: Oct. 26, 1982
Regular signup: Oct. 27, 1982

AMERICAN ELECTRIC POWER SERVICE CORP., Columbus, OH
Will interview December, May, July grads with BS/MS/Electrical Engineering for engineers to work as Computer Programmers, Assistant Electrical Engineers, Planning Engineers and in Electrical Research; BS/MS/Mechanical Engineering for engineers to work as Assistant Mechanical Engineers, Mechanical Design Engineers and in Construction; BS/MS/PhD in Nuclear Engineering - responsible for engineering nuclear power plant safety systems to protect the public health and safety. Obtaining construction and operating licenses from the Nuclear Regulatory Commission; BS/MS/PhD in Computer Science - responsibilities include integrating computer applications with the engineering, management and operating processes of the AEP System. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.
Location: Columbus, NY (Canton, OH & Columbus for Comp Sci)
Interviewers: Diana L. Mackey
Interview date: November 11, 1982 Priority signup: Oct. 27, 1982 Regular signup: Oct. 28, 1982

MARATHON OIL COMPANY, Houston, TX
Will interview December, May grads with BS/MS/Geophysics for Associate Geophysicist, Seismic Interpretation in Houston Div., Southern Exploration, Offshore Exploration, Midland Dist., Casper Division. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.
Location: Houston, Midland, TX; Casper, WY
Interviewers: J. J. Thorne & Ken W. Carlson
Interview date: November 11, 1982 Priority signup: Oct. 27, 1982 Regular signup: Oct. 28, 1982

CECO CORPORATION, Oak Brook, IL
Will interview December grads with BS/Civil Engineering for Training Program leading to sales engineering, application engineering, engineering management, in Concrete Forming Division.
Location: Principal cities nationwide
Interviewers: Dave Breece
Interview date: November 12, 1982 Priority signup: Oct. 28, 1982 Regular signup: Oct. 29, 1982

SQUARE D COMPANY, Columbia, MO
Will interview December, May grads with BS/MS/Engineering Management for Industrial Engineer. Location: Missouri. Details will be attached to signups for Square D; will interview December, May grads with BS/MS/Engineering Management, Electrical, Mechanical Engineering for Technical Sales in 200 sales offices, U.S.; will interview December, May grads with BS/MS/Mechanical, Elec. Engineering, Engineering Management for Product Development of molded case circuit breakers. Career opportunities in CAD/CAM.
Location: Cedar Rapids, IA
U.S. CITIZENSHIP REQUIRED BY COMPANY.
Interviewers: Jim Roach, John Schultz
Interview date: November 11, 1982 Priority signup: Oct. 27, 1982 Regular signup: Oct. 28, 1982

HERCULES, INC., Wilmington, DE
Will interview May, July grads with BS/MS/Chemical Engineering for process development and design including scale up, debugging and operation of pilot plants; BS/MS/Mechanical Engr. for process/product development for Hercules polymers/plastics; equip. design/development and some technical service; BS/MS/Mechanical Engr. for product development and technical service for wide variety of Hercules product lines; locations: Research Ctr., Wilmington, DE; Salt Lake City, UT; BS/MS/Chemical, Mechanical Engr. for Process Engr.; BS/MS/Mechanical, Electrical Engineering for Project Engr.; BS/MS/Mechanical Electrical Engr. for Power Engr.; BS/MS/Electrical Engr. for Instrumentation Engr.; locations: nationwide; BS/MS/Chemistry, Chemical, Mechanical Engr. for Tech. Rep., Nationwide. See detail sheet attached to signups for Hercules for more complete details. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.
Interviewers: Vicki L. Esserman
Interview date: November 12, 1982 Priority signup: Oct. 28, 1982 Regular signup: Oct. 29, 1982

PLEASE NOTE THE FOLLOWING CANCELLATIONS:
Gearhart Ind. (Nov. 10, 11); Boise Cascade (Nov. 11) Note: this schedule is for Boise, ID; Kansas Power & Light Co. (Nov. 9) Borg Warner Corporation (Nov. 9, 10); Merck & Company (Oct. 25); Modine Mfg. (Oct. 25); Carrier (Oct. 18); SW TRUCK (Oct. 15) Allied Corporation (Nov. 9, 10)
THE FOLLOWING PORTION OF TEXAS INSTRUMENTS SCHEDULE HAS BEEN CANCELLED: SEMICONDUCTOR GROUP, Houston, TX (Schedule #7), Nov. 2-3, 1982.

THE FOLLOWING COMPANIES HAVE ADDED -

ANALYTICAL SCIENCES CORP., Reading, MA - will interview December, May grads with MS/Aerospace, MS/PhD in Computer Science, Electrical Engineering; PhD in Engr. Physics for Research & Development. U.S. Citizenship required.
Location: Reading, MA
Interviewers: J. Scott Lord
Interview date: Oct. 22, 1982 Priority signup: Oct. 7, 1982 Regular signup: Oct. 11, 1982

IOWA-ILLINOIS ELECTRIC & GAS CO., Davenport, IA - will interview DECEMBER grads with BS/MS/Electrical or Mechanical Engineering for Transmission or Power Plants. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED BY COMPANY.
Location: Davenport, IA
Interviewers: Donna Nabottle
Interview date: October 25, 1982 Priority signup: Oct. 11, 1982 Regular signup: Oct. 12, 1982

ADDITIONS TO SCHEDULES - (week of Nov. 2-5)

PACIFIC GAS & ELECTRIC COMPANY, (Nov. 5) - will interview December, May grads with BS/MS/Electrical Engineering for Projecting Service Territory's Electrical Needs, determining how to meet electrical demand, operation and coordination of company's overall complex electrical transmission system; BS/MS/EE for Electrical Power Systems Analysis and Design; Planning, Supervising and Maintaining Electrical Transmission and Distribution in various divisions and districts (Electrical Operations); BS/MS/Nuclear Engineering for Nuclear Power Generation - from Control Systems to Nuclear Core Physics to Health Physics; BS/MS/Mechanical, Electrical Engineering for Nuclear Power Plant Operations.
Location: San Francisco Bay Area & Northern & Central Calif.
Priority signup: Oct. 21, 1982
Regular signup: Oct. 22, 1982

ACRES AMERICAN, Buffalo, NY (Nov. 3)

Will interview December, May grads with BS/MS/Mechanical Engineering for strength in areas of each VAC, fluid mechs., computer programming, thermodynamics; BS/MS/Electrical Engineering for strength and interest in area of process control and instrumentation, power dist., lighting as related to utilities; BS/MS/Civil Engineering for strength in structural, heavy civil const., found, areas leading towards dams, water resources and power projects.
Priority signup: Oct. 19, 1982
Regular signup: Oct. 20, 1982

CHANGE - FOR WEEK OF NOV. 2-5

GETTY REFINING & MARKETING COMPANY (Nov. 5) will interview Mechanical Engineers only. CHEMICAL ENGR. NEED HAS BEEN CANCELLED.

PLEASE NOTE - INFORMATION MEETING

TEXAS INSTRUMENTS will have an information meeting on Monday, Oct. 18 in Centennial Hall, from 4:00-10:00 PM.

Comments

Strike one! No it's not baseball, it's football, the first regular-season strike by the players in the 63 year history of the league. A strike by professional football players at first doesn't seem to be a major problem. So what if a few football fans are deprived of watching a few games. But, if you look a little deeper you may find that you or someone you know may be seriously affected by the strike. Many people are not just doing without their football but their very livelihood. I refer not to the players or the owners, but to the little guy. The pennant salesman, hotdog vendors, security guards, electricians, statisticians, ushers, parking lot attendants, grounds crews, cleanup men and a host of

others - some 15,000 people with football-related livelihoods are out of work and unpaid.

Most stadium operators estimate that they hire 1,000 of these people for a game at salaries ranging from \$15 to \$100. About half of them have no other income. Many are retired and depend on their small weekly earnings from the games.

The 14 municipalities where the games were to be played have lost at least \$2 million in taxes, stadium rentals, and ancillary revenues ranging from parking fees to bus, subway and train fares.

In each city where a game was to be played, the private sector of the economy was believed to have lost about \$2 million, as much as \$28 million in all, on restaurants, hotels and motels, and a

multitude of other businesses that depend heavily on football and its fans.

The 1500 striking players, who are paid an average of \$100,000 a year or more than \$6,000 a game in a 16-game season, lost about \$9 million in salaries, which are usually paid the day after the game. Those guys aren't the ones who should be striking, it's the fans who should be striking. Anyone who gets paid that kind of money for playing a game is overpaid. This strike is a slap in the face to the average American worker. It's unfortunate that these few can so adversely affect so many.

In summation, the toll of the National Football League players' strike: stadiums are deserted, more than 15,000 people are out of

work, restaurant and hotel business has plummeted, 8,000 fans stayed home, television stations are running reruns and losses totaling more than \$70 million have been incurred.

These guys should be treated just like the air traffic controllers, there are plenty of aspiring football players out there who would be glad to have the jobs for the present pay.

What lies ahead for the future? Well according to Gene Upshaw, president of the NFL Players' Association: "Nothing has changed. Absolutely nothing of substance happened. It's a sad state of affairs. The players out there should be concerned." In other words; the end is not in sight.

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m= Sports

Thomas' field goal lifts Miners

By JOHN GALT

Craig Thomas kicked a 25-yard field goal with 25 seconds left to play in the game to give the Miners a 24-21 edge over the Bearcats of Northwest Missouri State in Maryville last Saturday. Thomas, an ex-high school quarterback who threw for over a thousand yards his senior year, not only does an excellent job place kicking for the Miners, but is an excellent defensive safety as well. Saturday's game was speckled with lots of good offensive and defensive plays.

The Miner offense rolled up 271 yards of total offense. Quarterback Dennis Pirkle

completed 14 of 18 passes for 105 yards, two of which represented key plays in the late drive that enabled Thomas' field goal. Pirkle also scored the third of three Miner touchdowns on the day when he galloped 5 yards into the end zone during the fourth quarter.

The first Miner touchdown was scored by running back Jon Falke on a five yard run in the second quarter. Falke's TD tied the score at 7. Jon carried the ball 15 times on the day for a total of 78 yards and was instrumental in all three Miner scoring drives. The Miner offensive line cannot go unrecognized for its contribution Saturday. When the

chips were down and points were needed the O-line came through with excellent run and pass blocking — good job Scott Stevens, Kevin Griesemer, Dan Obrycki, Jim Lloyd, Doug Ely, Jeff Heger, and Keith Markway. The Miners went in at half time with a 14-7 lead as a result of a five yard TD run by Mike Schafer. Schafer carried 12 times for 33 yards on the day. Randy Shed had 45 yards on 13 carries for the day.

Northwest came out gunning in the second half, putting the pressure on the Miners late in the fourth quarter when they tied the score at 21 points. The ensuing kickoff left the Miners

with the ball on their own 20-yard line. From there the Miners drove 65 yards in less than three minutes. Pirkle hit receivers Dave Stephens and Kurt Lorenzen on two key pass plays that kept the drive alive. With 25 seconds left and no timeouts, Coach Charlie Finley gave Craig Thomas the nod. Thomas made the field goal raising the Miners to 5-1-0 on the season.

The Miner defense did not have a particularly good day, allowing the Bearcats almost 300 yards of total offense and 21 points. However, there were some excellent plays made by defensive personnel during the game. The best hit of the day was made by strong safety Scott Teter. Teter center-punched a Bearcat running back at the line of scrimmage knocking him

completely off his feet into the air and onto his posterior. Nice hit Scott. Linebacker "Herman" Wilhelm made a crushing block on an unsuspecting Bearcat who was closing in on Randy Hauser during a punt return. Hauser

See Football

page 14



Runners take off at the start of last week's UMR Invitational. See the story in next week's Miner

going their way for once, held on to win, 2-1.

On Sunday afternoon, the Miners took on the men of McKendree College. The east-to-west wind was a definite factor and the Miners had it in their favor in the first half. With it, UMR took the play to

See Soccer

page 14

Men's Soccer

Gains big win

By PAUL THOMAS

Last Saturday night, the Blue Eagles from Indiana State-Evansville came to Rolla, Missouri to meet the Miners in a 7:15 match. ISUE came into the game with a 6-0-2 record and a defense that had given up only one goal. Their last game was a 14-0 trouncing of Indiana Central.

The Miner kickers went to work early. From a free kick in the first minute of play, Scott Jaskowiak flicked the ball over the ISUE goalkeeper, who had come out for the ball, and into the net. Yet, Andy Carpenter was offside on Scott's headball. For the rest of the half, play was pretty even with a possible edge to ISUE. With 23 minutes gone in the first stanza, an ISUE forward took a corner kick that was headed toward the short post. UMR goalkeeper Bill Cowie and defender Carl Shalwacker failed to com-

municate properly and the ball hit off Cowie's hands and went into the goal. That's how the half ended. ISUE in the lead 1-0.

The second half brought an inspiring turn of events to the Miners. If you have been following their season this fall, you will have known the rough luck that had fallen on the Miners as of late. (Two consecutive 1-0, penalty kick defeats in the same weekend accompanied by numerous hit goalposts and crossbars.) Saturday night may turn out to be a major turning point in the UMR season.

With 18 minutes gone in the second half, Brian Dickerson took a free kick from just past midfield. It went into a large group of players in the ISUE penalty area, came out right to Mike Shillito who put the ball into the back of the net to bring the Miners even. The Blue Eagle keeper was again caught off of his line.

This goal seemed to shift

the momentum slightly to the Miners. ISUE had a very talented forward that made trouble for the UMR defense all night, but the back four and Cowie had the answer to all attempts at goal in the second half. At the other end, the UMR forwards were applying mounting pressure until with just under 5 minutes left to go, Andy Carpenter crossed the ball from the left baseline. The ball had a side spin that the ISUE keeper misjudged, and as the ball started back over his head, he jumped back, caught the ball, but fell over the line with the ball. If the entire ball goes over the entire line, it is a goal. The referee signaled that it was a goal. The ISUE team and coach were vehement over the call. Two players were ejected for gross misconduct (cussing out the ref). The Blue Eagles had to play the rest of the game with 9 players. The Miners, with luck and official's discretion

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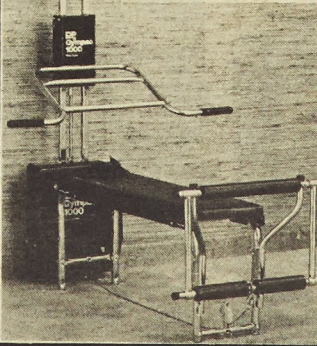
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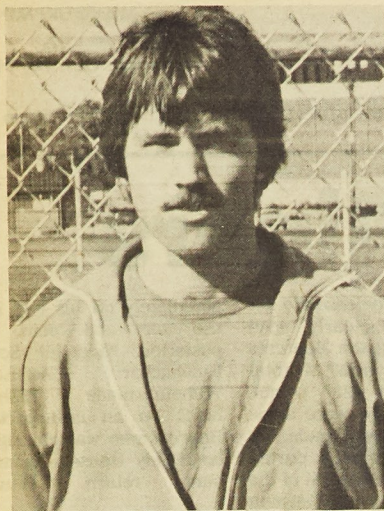


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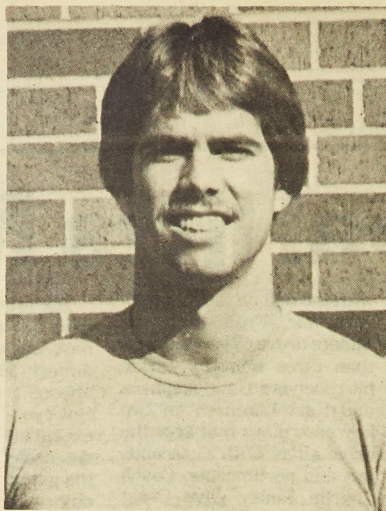
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M-Club Athlete of the week

Submitted by
M-CLUB

The M-Club would like to present Mike Shillito and Craig Thomas as the outstanding athletes of this week.

Mike, a senior on the Miner soccer team, scored the tying goal and also had a

hand in scoring the winning goal as UMR defeated powerful Indiana State-Evansville 2-1 Saturday.

On Sunday, Mike also performed outstandingly well as the Miners shut out McKendree College 2-0.

Craig, a member of the Miner football squad, displayed his talents

Saturday as the Miners defeated Northwest Mo. State 24-21 in staying undefeated in MIAA action.

With 20 seconds left to play and facing a 30 mph wind, Craig kicked a 25-yard field goal which gave UMR the victory.

Congratulations Mike and Craig!

Women's Cross Country

Run over Westminster

By NANCY REITER

Two weekends ago the UMR women's cross country team hosted and defeated Westminster by a score of 25-30. Jan Hierholzer placed first for the Miners and in the meet with a time of 19:07. Other Miner finishers were Karen Penney (fourth, 22:12), Jill Cameron (fifth, 22:22), Gail Halsey (sixth, 22:26) and Leslie Behm (ninth, 24:09). Behm deserves much credit for the win, as she consented to jog the course, despite being ill, in order that UMR field a full squad.

The team's times in the meet were generally lower than usual. This was due to the fact that they were not pushed by the Westminster runners, and that they had been training hard, and keying on the UMR invitational this past weekend.

In the larger meet UMR took fifth among the seven schools represented. The competition gave the runners an idea of what to expect at the conference meet and then some. The par-

ticipating teams and their overall placing were: 1. CMSU, 2. NEMS, 3. Washington University, 4. School of the Ozarks, 5. UMR, 6. Principia and 7. Westminster.

Hierholzer who to this point had taken first at all home meets had to settle for second with an 18:18 time. CMSU scored the winning time at 18:03.5, a new course record. Coach Preston was very happy with Jan's time.

The remainder of the squad also brought their times down, for the most part. The next UMR runner was Karen Penny (25th,

21:30), followed by Jill Cameron (27th, 21:40).

The team missed Halsey and Leta Judd, who are out on injuries.

This weekend's competition comes Saturday at the Washington University Invitational in St. Louis. Part of the UMR men's team will also run in their division of the meet. Starting time is scheduled for 11.

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Women's Soccer

Ties Maryville

By NANCY REITER

Last Saturday UMR women's varsity soccer played to its first tie ball game with a 1-1 finish in a rescheduled game against Maryville College.

Both goals came in the first half, which proved to be very even competition. The Miners scored first, with just under 9 minutes left in the half. Senior midfielder Cari Vitale hammered in a shot from 10 yards out. The assist on the shot went to Jan Wilkerson. A couple of minutes later Maryville chalked up its only goal.

Although neither team scored in the second half, UMR totally dominated play and had several opportunities. "We just couldn't finish," stated Coach McNally.

The Maryville team somewhat surprised the Miners with their quality of play. Particularly in the first

half, they came out much stronger than they had earlier in the season at the Lindenwood Tournament.

Coach McNally expected tough competition from Florissant Valley in Tuesday night's home game. The next opportunity to see the team play will be next Wednesday, Oct. 20 at 6:30 p.m. on the UMR soccer field. This game is a rematch from their first game of the season which they lost, 3-0. Valuable

experience gained since then may well lead the Miners on to a revenge victory. All UMR students there to cheer on the team will be given (free of charge) one, limited edition, exciting game to watch!

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Intramural News

By LARRY TIPTON

The intramural swim meet highlighted last week's action. The meet went quite well, especially for the dorms, as TJHA placed first for the second year in a row, and RHA nudged past Sig Ep by one point to finish in second. Kappa Sig came in fourth place, followed by TKE in fifth, and MHA-East in sixth.

Outstanding swimmers at the meet were: George Gunther of Kappa Sig, who won the 100-yard individual medley and the 50-yard breaststroke, setting new records in both; Imire of MHA-West, who set a new record in the 200-yard freestyle; and Greg

Morovitz of TJHA, who won the 50- and 100-yard freestyle races.

In tennis, RHA has secured a place in the singles final, as has PIKA in doubles. The winner of the loser's bracket in each category has yet to be decided.

Football continues to wind down. Tuesday Sig Nu clinched a playoff spot by defeating Triangle.

The PhiKap-Lambda Chi game at 8:00 next Tuesday, the final playoff spot is at stake.

IM Notes: The IM Cross Country meet will be held this Friday at the UMR golf course. Soccer and volleyball will both start on Tuesday, Oct. 26. The football playoffs will be held on Oct. 20 & 21, next Wednesday and Thursday.

UMR shooters do well

When the smoke cleared at the annual UMR Intercollegiate Trap and Skeet Tournament last weekend, the host team took two second places.

Five other universities participated in the tournament including Iowa State, Southwest Mo. State, Central Mo. State, Westminster College and William

Woods.

In the Trap event, UMR finished second with a 437 x 500 team score. Chris Johnson, of UMR, led all Trap shooters by firing a 97 x 100. Rounding out the UMR Trap team were Glenn Weeks, Craig Scott, Alan Corzine and Bill Zumwalt. SMSU had a team total of 452, CMSU 436 and Westminster-William Woods 361.

In the Skeet event, UMR placed second with a 430 x 500 team score. Greg Hardy, of UMR, led the UMR Skeet team by posting a 94 x 100. Rounding out the UMR Skeet team were Mike Stupka, Chris Johnson, Tony Park and Glen Weeks. Again SMSU came out on top by firing a blistering 479 and CMSU finished third with a 415.

International Soccer League

Submitted by International Students Club

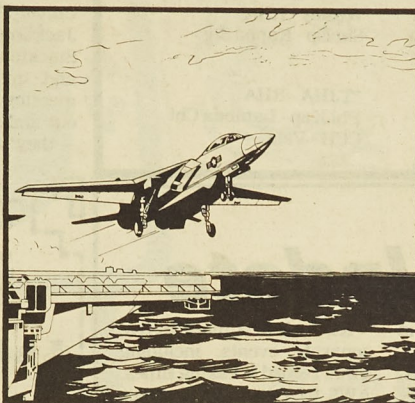
The International Students Club Soccer League kicked off on Saturday, Oct. 9 at 1 p.m. Four games were played; in the two games starting at 1 p.m. Greece won over the Arab students 7-2, while Malaysia and Asian students were held to a 1-1 draw. At 2:30 p.m. Iran beat South America 7-0 and we had Peru over Turkey 2-0. Game referees were Ashraf Hosny and Qassem Al-Hakkak, with Ahmad Hamdi, Larry Lu, Mohammed Tayeb, Mahmond Osman and Jeff Joseph working on the lines.

This week's games again kick off at 1 p.m. on Saturday, Oct. 16, when eliminations continue.

1 p.m. Games
Asian students vs. Peru
Greece vs. South America
2:30 p.m. Games
Malaysia vs. Turkey
Arab students vs. Iran

For further information call Jeff Joseph at 341-2529.

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Soccer

McKendree. Twenty-eight minutes into the half, Steve Svoboda, back from a two week layoff due to injury, beat his man and got in a cross from the right wing corner. The cross went to Don Anselm who settled it but Steve McVey came through to put the ball in the far corner. The Miners continued territorial domination, and with about 25 seconds left in the half, Brian Dickerson sent a ball into the McKendree penalty

area. The wet grass caused the ball to skip and it hit the hand of a defender. The referee put the ball on the penalty spot and Svoboda beat the goalie cleanly to put the Miners up 2-0. This is where the scoring ended.

This is also where the game ended. Upset at the official's call that resulted in the penalty kick, McKendree's coach packed up their balls, had little choice but to forfeit the game to UMR, a 2-0 win. This not only was a

display of a lack of emotional control, but also it was a poor decision when considering the fact that McKendree would have had the wind in the second half. The Miners are now 8-4 and are 0-0 in the MIAA. This weekend they are on the road.

TILL NEXT TIME--

Friday, Oct. 15 vs. SMSU at Springfield, Mo. at 4:00

from page 11

Saturday, Oct. 16 vs. University of Tulsa at Tulsa, Ok. at 2:00 p.m.

Football

from page 11

returned the punt about 50 yards on that return with the help of Wilhelm's key block — the Bearcat didn't know what hit him. Quarterback sacks were made by Paul Demzick, Doug Keithly, Bob Pressley and Ricky Caruthers.

This Saturday afternoon at 1:30 the Miners will host Culver-Stockton College at Jackling Field. Culver-Stockton is an NAIA team, and this will be the first meeting of the two clubs. Get out and see the Miners play — they're good.



Cross country runner Jan Hierholzer continues to lead the Lady Harriers. Jan placed first against Westminster and second at the UMR Invitational.

Flag Football Schedule

Oct. 18	6:30	BSU - Kappa Alpha Psi	MHA-East - Triangle
	8:00	A Phi A - Sigma Chi Mu	Wesley - RHA
	9:30	Theta Xi - Pi Kappa Phi	Sig Ep - Kappa Sig
Oct. 19	6:30	*AWS - KD	*TJHA - RHA
	8:00	*ZTA - Chi O	Phi Kap - Lambda Chi
	9:30	Campus - Newman	CCH - Vets

Women's

Intramural Update

By NANCY REITER

In women's intramurals this week, play continues in football, tennis and racquetball, but swimming provided the only conclusive statistics at this point.

At the pool, KD, the first

place team, and AWS (in second) dominated competition at nearly all levels. Depth seemed to be the key factor, as both of these teams placed at least one and usually two swimmers in each of the individual races. Their depth was also apparent by 1-2 finish in both the relay events.

KD took first place in five separate events, including three record breaking times. AWS took two first number one titles, and one was left for Chi O.

Coming up next week is volleyball competition!

Following are the first place swimmers:

Event	Swimmer(s)	Organization	Prelim Time	Time
100 Medley relay	Cook-Roweton-Lauber-Hahn	KD		1:01.26*
100 Freestyle	Leahy	Chi O	1:01.82	1:06.01
100 Individual Medley	Wieseman	KD	1:11.13	1:10.94
50 Free Style	Robin	AWS	30.71	30.77
50 Backstroke	Johnson	AWS	34.31	34.48
50 Breaststroke	Wiseman	KD	36.00*	36.56
50 Butterfly	Lauber	KD	29.81	29.40
100 Freestyle Relay	Lauber-Cook-Murdock-Kehoe	KD		56.34

*Indicates women's intramural record.

The unofficial swimming ranking and points are:

1. KD	74
2. AWS	65
3. Chi O.	32
4. TJHA	19
5. Stardusters	15
6. RHA	8
7. Wesley	3

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2 Games to be Given Away During October

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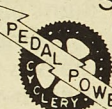
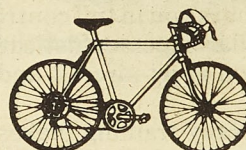
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Men's Flag Football Standings

Division I

League 1

	W	L
Sig Nu	7	1
Beta Sig	5	1
MHA-East	5	1
Triangle	5	2
TKE	4	3
PiKA	2	5
Delta Sig	1	5
RHA	1	5
Wesley	0	7

League 2

	W	L
KA	5	1
Lambda Chi	5	1
Phi Kap	5	1
Kappa Sig	4	2
Sig Ep	3	3
Tech	1	4
Sig Pi	0	6
Sig Tau	0	6

Division II

League 2

	W	L
A Phi A	6	0
Delta Tau	5	1
GDI	4	1
TJHA	3	3
ABS	2	4
Sigma Chi Mu	1	4
Pi Kappa Phi	1	5
Theta Xi	1	5

League 1

	W	L
Campus	5	1
Newman	4	1
Kappa Alpha Psi	4	1
AEPi	4	3
Vets	3	3
CCH	2	4
BSU	1	5
Acacia	1	6

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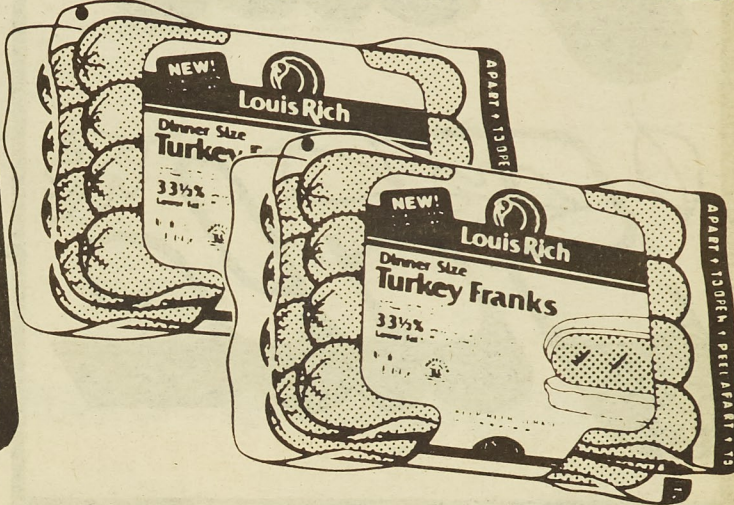
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