



18 Oct 1984

The Missouri Miner, October 18, 1984

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Thursday, October 18, 1984

University of Missouri-Rolla

Vol. 73, No. 9

20 Pages

Student Council saves discount cards

by Paul McLaughlin

The Student Discount Card which appeared on the UMR campus last week almost didn't. This near-failure was due to a foul-up on the part of the supplying company: University Student Services.

Seeing a potential breach in campus-city relations, the UMR Student Council printed their own discount card so that the 12 Rolla merchants involved would not see the \$300 they each paid go to waste.

According to Brian Ruhmann, vice-president for external affairs, Student Council's, StuCo's, only involvement with the card—until they printed their own—was an endorsement of the company saying they had checked it out and found it to have provided satisfactory service to other campuses and it was clean with various government agencies (Dallas police, Dallas Better Business Bureau, and the Postal Service).

But StuCo feared at first, when

the cards failed to arrive, that they might be held responsible and even sued. Ruhmann says this fear was immediately put to rest, but, he says, "Student Council was concerned that campus-city relations would be adversely affected."

So at the StuCo meeting Sept.

18 Ruhmann informed those gathered of the situation and suggested that if no discount card arrived within two weeks, StuCo print their own to fill the gap.

University Student Services' card did not arrive according to Ruhmann, in time, so StuCo followed through at a cost of \$95

from the StuCo contingency fund. Ruhmann says that since this was so cheap and easy, StuCo might take care of this card through the coming years, "at a considerable savings to everybody."

Ruhmann also explained at the Sept. 18 meeting that it would be up to the Rolla businessmen to pursue University Student Servi-

ces about legal charges.

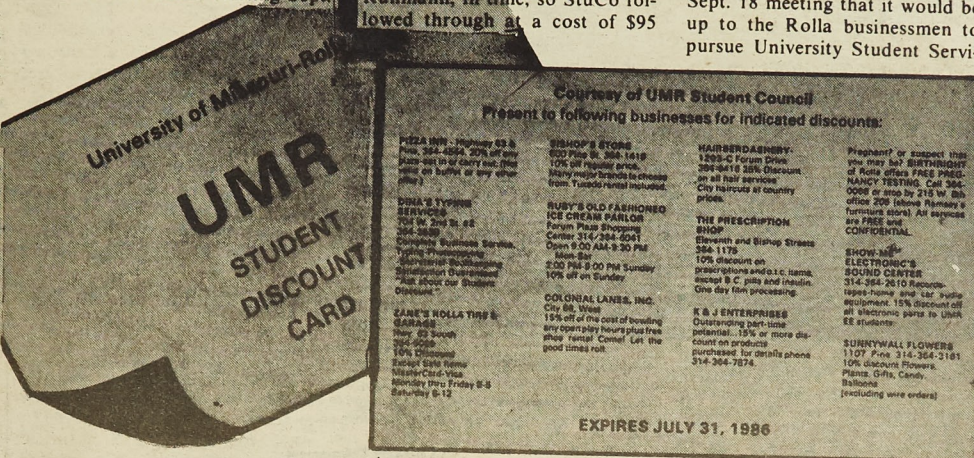
The cards did arrive last Thursday, Oct. 11, nearly two months after they were originally due. It seems, however, that the local businesses are not going to press charges.

Kirk Alexander, manager/owner of Bishop's Store, says, "Since the cards are here and students are going to get it, we're not going to pursue it."

Judy James, manager of Ruby's Old Fashioned Ice Cream Parlor, says, "I probably won't go to a lawyer. But I would support any action anyone else might take."

Finally, why the foul-up? University Student Services used to be University Press International, and its recent reorganization seems to have caused the trouble.

StuCo's student discount card is available to affiliated students through their housing units and to unaffiliated students at the Student Council office, 202 University Center-West, or at the UC-W ticket office.



St. Louis campus proposes divestment of UM funds from South Africa; apartheid cited

by Cameron Coursey

A student-initiated proposal to ban all University of Missouri investments on South Africa and Namibia will be brought before a meeting of the UM Board of Curators on Oct. 25. According to

University College Students (NOBUCS), stresses that the proposal is not just a black-white issue. Shelton argues that it is risky to continue investing in any country that blatantly suppresses the civil rights of the majority of its

assert that UMSL's Student Assembly "strongly endorsed the proposal" and that a similar response was received from UMC's student government. On Oct. 9, Shelton, Barnes, and other supporters of the proposal met with UMR's Student Council in an attempt to gain the backing of the UMR students.

A heated discussion followed the presentation of the divestiture proposal at the Student Council meeting. According to Brian Ruhmann, Vice-President for External Affairs for Student Council, the general consensus of the representatives was that there was no argument with the proposal on moral grounds.

However, there was disagreement on the urgency of the decision and the economic ramifications of the proposal. Among the information not submitted with the proposal was that IBM, Mon-

santo, GM, Ford, and other large corporations have investments in South Africa. More discussion concerned the wording of the document to be presented to the Board of Curators. Some representatives thought the wording to be ambiguous on what actions were to be taken.

In the end, Student Council made a moral decision to support the proposal. However, discussion of the proposal will be brought up again at the next Student Council meeting, and some representatives will try to undo the decision.

At the end of last Tuesday's meeting, Student Council made a moral decision to support the proposal.

But this Tuesday, Oct. 16, the issue was raised again. Investigation had revealed that UMSL's proposal was inaccurate in places and vague in others.

Kevin Renfro, Student Council president, noted that the University system had \$2 million, not \$20 million, invested. Investigation also found the names of some financial institutions in question: IBM and Ford are two.

Renfro says that several Student Council representatives feared that a liberal interpretation of the proposal would mean not even using equipment produced by these companies.

The wording was not good, and says Renfro, "It tied the University's hands bad."

At the meeting this Tuesday, Student Council decided to repeal the decision to support UMSL's proposal.

In its place they made their own. It too deplores apartheid, but does not emphasize the financial end so much. "It basically says the same thing," says Renfro, "but we like this one better."



Apartheid is the reason the UM-St. Louis campus is pushing for the University to remove investments in South Africa and Namibia. Two of their people, Greg Barnes (left), president of the UMSL Student Association, and Hilary Shelton (right), originator of the proposal, made a presentation on it to the UMR Student Council last Tuesday.

sponsors of the proposal, the UM System presently has around \$20 million invested in South Africa and Namibia.

The divestiture proposal is in response to the policy of apartheid supported and maintained by the governments of South Africa and Namibia. Apartheid is a policy of racial segregation, or citizen's rights according to race, instituted in these countries over 30 years ago.

According to Hilary Shelton, the UMSL student who submitted the divestiture proposal, the movement is a chance for students to "take a moral stance now, in college." Shelton, who is presently the Midwest Chairman for the National Organization of Black

citizens, and cites the American experience in Iran as an example.

In brief, the divestiture proposal would force the University of Missouri to withdraw any funds deposited or invested in financial institutions which have any outstanding loans to the governments of South Africa or Namibia. A similar proposal was brought before the Board of Curators six years ago, but was rejected. Shelton feels this proposal will be successful because people are more aware of the civil rights violations today than six years ago.

According to Shelton and Greg Barnes, President of the UMSL Student Association, the divestiture proposal has wide support among UM students. Both men

Open Forum puts questions to campus organizations

by Paul McLaughlin

This Tuesday night, Oct. 16, the Student Activity Fee Open Forum put 11 campus service organizations in a spot where they had to explain how they spent their Activity Fee money and, in some cases, felt some heat about how they operated.

The organizations that received the most attention were Auxiliary Services, KMNR, St. Pat's Board, and Student Union Board.

Other organizations questioned that night were Golf Course (included with Auxiliary Services), Athletics, Intramural Facilities, Student Council, Non-Varsity

Sports, Missouri Miner, and Rollamo.

THE QUESTIONS

Auxiliary Services—

Most of the questions regarded the deficit that Auxiliary Services has been running. This year they are expected to be \$32,000 short, and next year that number is expected to jump to \$36,000.

Concern was about what could be causing such deficits. Director Jess Zink indicated that one deficit came from the golf course. But this deficit could only be recovered from two other services: vending was one.

Revenues from housing, for instance could not be used to "bail out" the golf course. They have to be returned to the students in the form of renovations to the housing facilities, for example, the curb work on the northeast corner of

Student Council noted early in the Open Forum meeting that many of the organizations were requesting appropriations increases not necessarily because they were spending more but because enrollment is going down and per-student appropriations need to be raised just to stay even.

see Open Forum page 5

CALENDAR OF EVENTS

Thursday

Charles Kuralt

Remmers Special Artist/Lecture Series, Charles Kuralt, CBS News correspondent, Bullman Multi-Purpose Bldg., 8 p.m. Free tickets (two per person) available 8 a.m.-noon and 12:30-4:30 p.m. weekdays at reservation desk in the University Center-West.

Chi Alpha Christian Fellowship

We would like to invite anyone who feels a need for fellowship and encouragement to join us. We meet every Thursday evening at 7 p.m. in the Ozark Room, Univ. Center-West (upstairs). We look forward to seeing you there.

Groundbreaking Ceremony

For phase one of V.H. McNitt Hall (Mineral Engineering Bldg.) and Engineering Management Bldg., 14th & Bishop, 11 a.m.

Intercollegiate Knights

Intercollegiate Knights will have a meeting in Chemical Engineering Bldg. in room 139 on Thursday, Oct. 18 at 7 p.m. (Please note change of building and room.)

M-Club

M-Club will be having a meeting tonight (Oct. 18) at 8:30 in the CE auditorium. All active members need to be there because of the many activities associated with homecoming. A pledge meeting will be held at 8:00 p.m. in the same place.

Phi Eta Sigma

Phi Eta Sigma will hold a meeting Thursday, Oct. 18 in Room G-5 H-SS at 7 p.m. Actives are invited to attend and pledges must attend. Anyone who is a freshman or first semester sophomore with a GPA of 3.5 or above is invited to attend. If you have any questions, call John Hume at 364-9796.

Preregistration

Preregistration for Winter Oct. 22-26. Class schedule available Oct. 18. If you are graduating in May, come to the Registrar's Office now to apply.

UMR Film Series "Apocalypse Now"

Miles Auditorium, Mech. Engr. Bldg., 7:30 p.m. Season ticket or \$3 at the door.

Vet's Club

There will be a meeting Thursday, Oct. 18 at 4:30 in room 101, Bldg. T-2. Pictures will be taken for the Rollamo. All members are urged to attend. Any Veteran or individual receiving VA benefits is cordially invited to attend this meeting or drop by the office in T-2 room 105. Changes in the Veteran's work study will be discussed.

Friday

NATIONAL MERIT DAY

Newman Movie Night

The Newman Club at 908 Main Street is featuring Bill Murray night beginning at 7:30. Refreshments will be served.

Saturday

CGS Picnic

Saturday, Oct. 20, 1:30-7 p.m. Lower Schumann Park. To assure you a fair share of the refreshments, please contact: Keith James, Jennifer Brand, or Curtis Meier if you plan to attend.

Tau Beta Pi Work Day

Tau Beta Pi is holding a WORK DAY Sat., Oct. 20, to raise money for freshman scholarships. If you would like a work crew, call Mark or Kurt at 364-0020.

UNIVERSITY DAY

Sunday

Bicycle Ride

Bicycle ride every Sunday. Meet at Pedal Power Cyclery, 6th & Oak at 1 p.m. for a 7-mile ride. Sponsored by UMR Cycling Club.

Orchestra Concert

UMR Orchestra, Centennial Hall, University Center-East, 2 p.m. Free.

Spaghetti Dinner

The Stardusters will be having an all-you-can-eat spaghetti dinner on Sun. Oct. 21, from 4 to 7 p.m. at Kappa Sigma Fraternity. Price is \$2.50. See you there.

Monday

Campus Performing Arts Series

Kammergild Chamber Orchestra, Cedar Street Center, 8 p.m. Admission by season ticket or individual performance ticket. Tickets, \$5 for students and \$6 for all others, available at reservation desk in University Center-West, 8 a.m.-noon and 12:30-4:30 p.m. weekdays and the Cedar Street Center box office the night of the performance.

Checkers Tournament

The Student Union Board will be holding a single elimination checkers tournament beginning on October 22. The deadline for sign-ups is October 19 in room 217, University Center-West. First place wins an all expense paid trip to the ACUI regional playoffs. For more information call 364-8470.

Tuesday

Beta Chi Sigma

Beta Chi Sigma (international scouting fraternity) will meet on Tues. Oct. 23 in ME 118 at 7:30. Anyone interested in Scouting, the Outdoors, or Service is welcome to attend.

C.L. Oake Geological Society

There will be a meeting of the C.L. Oake Geol. Soc. on Tues., Oct. 23, at 6:30 p.m. in 305 Norwood Hall. Following the meeting—at 7 p.m.—Dr. A.C. Spreng will speak.

Target Pistol Club

Meetings of the UMR Target Pistol Club have been moved to Tuesday nights at 6:30 p.m. The meetings are held at the UMR Rifle Range and new members are always welcome.

Wednesday

Women at Work Series

"Local Artists and Their Art," Charlotte Baker, weaver, Rolla; Colette Barnes, painter, Rolla; Luce Myers, clay works, Newburg; and Ellen Pearce, painter, Rolla. Noon-1 p.m., University Center-East, Missouri Room. \$4 for series, call 341-4131 for reservations.

Next Thursday

UMR Film Series "King of Hearts"

Miles Auditorium, Mech. Engr. Bldg., 7:30 p.m. Season ticket or \$3 at the door.

Noday

HOME COMING

Friday, Oct. 26-Sat., Oct. 27

Homecoming Bonfire

Sponsored by M-Club, 7 p.m., Oct. 26, at Intramural Fields. Everyone invited to attend.

SUB to present Jay Leno Tuesday

Rolla, Mo.—The University of Missouri-Rolla Student Union Board (SUB) will present comedian Jay Leno Tuesday, Oct. 23, in two shows, at 7:30 p.m. and 9:15 p.m., in Centennial Hall, University Center-East.

There will be a \$1 charge. Tickets will be available starting Monday, Oct. 15, at the University Center-West ticket window. There will be a limit of 450 tickets for each performance.

A performance by the winner of the Oct. 19 SUB Talent Show will precede Leno's appearance.

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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 students and faculty of UMR.

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Kappa Delta selling 'Carnations and Weeds'

submitted by Kappa Delta

The Pledge Class of Kappa Delta will be selling orange carnations and weeds for the next two weeks (Oct. 15-26).

These items can be purchased by the Hockey Puck and will be delivered Oct. 30.

These gifts can only be given to students staying in University Housing (frats, sororities, T.J. the Quad, etc).

Flowers cost \$1 total and weeds are 25c.

Apocalypse Now



United Artists

THEATRE

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New housing idea could put old and young together

source: National On-Campus Report

Many New York neighborhoods oppose universities building new dorms near their urban campuses. But these same neighborhoods need additional housing for the elderly. An "intergenerational housing" plan developed by several social service agencies and five area universities may offer a solution.

Under the plan new facilities would be designed to house old and young together. Such dorms, planners say, would stabilize neighborhoods and offer an attractive alternative to institutionalization for many elderly New Yorkers. The schools—Columbia U., the Graduate Center of the City U. of New York, Queens College, Yeshiva U., and the Pratt Institute—are spread geographically throughout the city.

Each of the five schools involved in seeking funding from the Federal Department of Housing has slightly different proposal for its campus. The plan for Columbia would include a 12-story building with 104 apartments for the elderly and a 10-story dorm with 105 rooms for Columbia students. In between them a six-story tenement with 24 apartments would be renovated as a cooperative for low-income families. Common rooms would allow all the complex's residents to encounter and learn from one another. Planners understand that different age and interest groups have different needs, but they believe a marriage of young and old can work if carefully thought through.

before hand. Some proposals call for housing only graduate students or upperclassmen in these dorms; others look toward placing students with a special interest in gerontology there.

Ron Cannava, director of college relations at Queens College, sees an inter-generational facility as another step forward in the college's efforts to integrate itself with the community and the region. Queens College presently has no residential students at all.

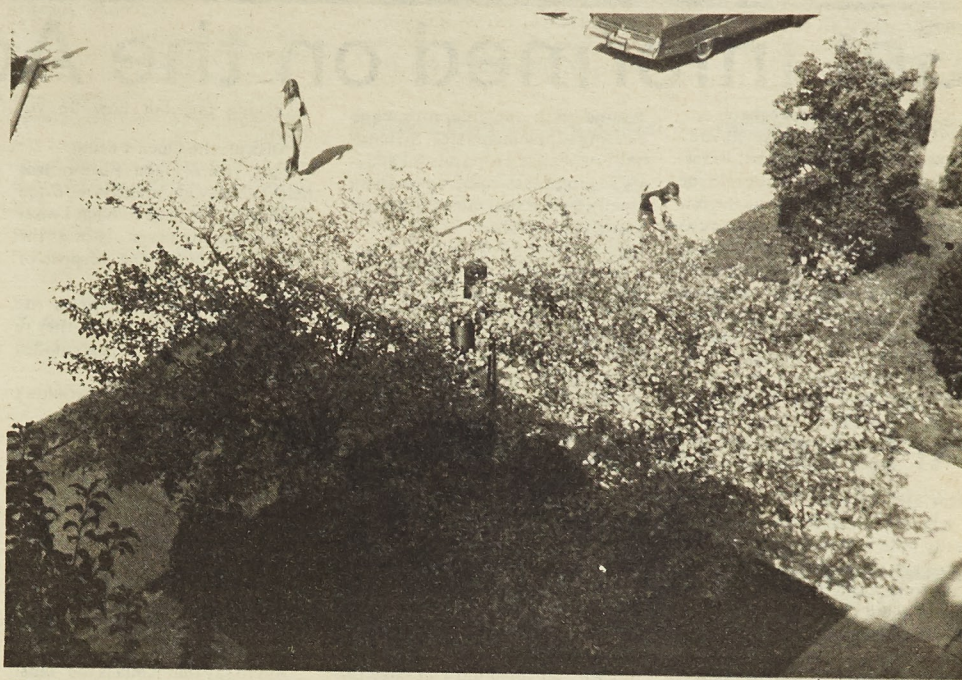
However, concern for good community housing isn't new to the college, says Cannava. Queens College has operated the Center

Cessna Aircraft representatives to speak at meeting

On Tuesday, October 23 the Society of Automotive Engineers (SAE) and the American Institute of Aeronautics and Astronautics (AIAA) will hold a joint meeting featuring Bruce Peterman, vice-president of product engineering and planning for Cessna Aircraft

The program is entitled "Fun in Aviation." Subjects will include the Caravan series of single and twin engine turboprop aircraft, the Citation series of turboprop aircraft, and aviation in general.

The meeting will be held at 7 p.m. in the ME Auditorium. Everyone is welcome. Memberships will be taken. Refreshments will be served.



Guess where this is. If you can't figure it out, look on page 5.

CBS's Kuralt tonight's feature

source: OPI

Rolla, Mo.—The Remmers Special Artist/Lecture Series at the University of Missouri-Rolla will present "An Evening With Charles Kuralt" at 8 p.m. Thursday, Oct. 18, in the Bullman Multipurpose Building. It is the seventh program in the series.

During the program, Kuralt, a correspondent for CBS News, will discuss his experiences with the

Emmy Award-winning "On The Road Series," which is featured on the CBS Evening News. He also will talk about other news assignments and experiences he has had during his 27-year career with CBS News.

UMR students, faculty and staff as well as the general public are invited to attend. There is no admission charge but tickets are required. Free tickets (two per person) are

still available and may be picked up during regular office hours, from 8 a.m. to noon and 12:30 to 4:30 p.m. weekdays, through Oct. 17 and until noon on Oct. 18.

The "On The Road Series", which began in October 1967, has won two Peabody awards and two Emmys for Kuralt. He also co-anchors the CBS News program

see Kuralt page 18

Child Abuse and Neglect

Hospital, UMR to co-sponsor conference

source: Phelps County Regional Medical Center

A total of 222 cases of child abuse and neglect were recorded in 1983 for Phelps County, according to Mo. Division of Family Services Data Analysis Supervisor Jerry Simon. Reports statewide are up 11 percent so far this year with August setting an all time record with 4,033 cases reported.

To help combat the problem through education and public awareness, Phelps County Regional Medical Center and the University of Missouri-Rolla will co-sponsor

a live televised conference on "Child Abuse and Neglect" and a local panel discussion on "Child Abuse and Neglect in South Central Missouri" from 10 a.m. to 3 p.m. Saturday Nov. 3 at Thomas Jefferson Hall, University of Missouri-Rolla.

Faculty for the televised part of the program includes Dr. Stephen Ludwig, director of emergency department, Children's Hospital, Philadelphia; Dr. Richard D. Krugman, director, C. Henry Kempe National Center for Prevention of Child Abuse and Neglect, and associate professor of pedi-

rics, University of Colorado School of Medicine, Denver; Wendy Goldberg, RN, MSN, consultant in psychiatry, Henry Ford Hospital, Detroit; Dr. Brook Bock, president, American College of Emergency Physicians (sponsor), and Jacqueline Conner, J.D., district attorney's office, Santa Monica, Calif.

The panel will be available for questions by telephone during the conference.

The local panel discussion, which will follow the national program, will be to discuss the roles of professionals involved with child

abuse and neglect reporting, investigating, counseling and prosecuting and methods of increasing cooperation among those professionals for the welfare of children.

Panel members include Dr. Barbara Russell, Rolla pediatrician; Stan Spadoni, chief, Rolla Police Department; John Wiggins, Phelps County prosecuting attorney; Patrick Doyen, chief juvenile officer, 25th Judicial Circuit; Wayne Langston, Phelps County Division of Family Services, and an emergency room physician of Phelps County Regional Medical

Center.

Advance registrations may be sent to Child Abuse and Neglect Conference, Walter L. Ries, Engineering Continuing Education, 111 Engineering Research Lab, Rolla, Mo. 65401, or phoned to Mr. Ries at 314/341-4132. The \$15 registration fee includes handouts and coffee breaks. Checks may be made payable to the University of Missouri-Rolla. The program offers four continuing education units. It will be of interest to all professionals, volunteers, and the public concerned about the welfare of children.

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m= Comments

Get informed on the Activity Fee

by Pat Van Ryckeghem

As many of you may already know, the Student Council Referendum on Activity Fees will be out shortly. This is one of the few places where you have some say as to where your money goes and how it is spent. So let's talk about activity fees for a while.

To start with, the University unmercifully takes you to the cleaners every semester with tuition, rubbing a little salt in the

wound with the infamous engineering supplemental fee. So naturally, when the proposals for activity fee increases come up and you finally have a say, most of you are going to say NO.

Now I'm not just saying this because I'm a pessimist. In fact, every year a large number of referendums are filled out with NOs all the way across the board. Now granted, you may not feel an organization needs the increase it

is asking for, but how do you know?

Answer: the Open Forum.

This year's Open Forum was held Tuesday night and is reported in an article on page 1. What I want to discuss, however, is not the results, but rather the purpose of the Open Forum.

These organizations spend the students' money, and why they're asking for an increase. A great idea in theory.

But there is a problem I wouldn't

have believed if I hadn't seen it with my own eyes. Other than the people representing organizations and a meager turnout from Student Council, how many students do you suppose showed up? Answer: none—maybe one or two.

All of this just doesn't seem to add up right. This campus has more control over its student fees than almost any other campus in the nation, yet no one even bothers to find out how their money is spent?

All I'm trying to say is this: when you go to fill out the referendum, be informed about why the organizations are asking for an increase. Ask your StuCo Representative. Read the articles in the *Miner* pertaining to the activity fee. If then you feel an organization doesn't need an increase, then vote no. But remember that an uninformed vote helps no one.

I've heard complaints from students who say they don't use the golf course or they shouldn't have

to pay for varsity sports. Okay, fine. But what about organizations like Student Council, **Rollamo**, Student Union Board, and the **Miner**? These organizations sole purpose is to provide services to the students. Without Student Council, who would represent the students to the administration? Believe me, if we didn't speak to the administration, we **would** be overlooked.

pay less than a quarter a copy. Many students would probably pay a quarter just to read Bloom County every week. But seriously, I think at least part of your student activity fee is well spent.

One last thought. Consider the engineering supplemental fee. The university is proposing a \$20 supplemental fee for next year which translates to \$200 to \$300 per semester for most of us. Oh, you'll complain, and I'll complain, but when the bill comes due, you'll pay it, and so will I. Personally, that bothers me a whole lot more than a \$10 per semester increase in the student activity fee.

Art, you're wrong again!

Dear Mr. Art Smith,

I hate to have to do this, sir, I really hate to have to do this. But there are some things in life that have to be done, and I guess this is one of them (So don't blame this on me, colleague, blame it on life, if you will...).

I read with bemused interest your article headlined "Rolla is no Black Hole". In what appears to be an act of acquiescence on your part (RE-your badly received view-

point on Joe Miner), you have taken it upon yourself to summarily dismiss the hard facts of reality—to dismiss considered opinions of people almost as if it were nobody's business.

Now, I understand that you were a bit rattled by the Joe Miner issue, but why on earth did you have to do what you did to vindicate that? Two wrongs never made a right, and elevating Rolla to a Utopian state doesn't make your stand on

Joe Miner look any better. And, to say it succinctly, what you wrote about Rolla was wrong—dead wrong.

Rolla is no Black Hole—and I'm sure no one ever suggested that (Now come on, what can't you say on a T-shirt, anyway?).

But to say that Rolla is the "most agreeable environment to live in" is a joke! (I venture to ask you, were

see Black Hole page 5

World News Summary source: St. Louis Post-Dispatch information used by permission

The World News Summary is intended for its readers, who have gone to college for an education, to keep them from being ignorant of world events.

The source for the Summary is the St. Louis Post-Dispatch. The information is used by its permission. The Post-Dispatch is not to be held responsible for any incorrect information we may print here.

Inefficiencies reported in Defense Department

According to Air Force management specialist, A. Ernest Fitzgerald, the Defense Department could save \$30 billion a year, simply by becoming more efficient.

In addition to this, Fitzgerald accused the Defense Department of harassing employees who discover areas where waste could be avoided.

Fitzgerald, and two others presented their report to a subcommittee of the congressional Joint Economic Committee.

Fitzgerald's estimated \$30 billion which represents one third of the defense purchasing budget, was considered conservative by some Pentagon officials who believe savings could run to \$50 billion per year.

Reagan signs "Baby Doe" legislation

The Child Abuse Amendments of 1984 were signed last week by President Reagan. These measures, nicknamed the "Baby Doe" legislation, allows for legal action to be taken against medical personnel who refrain from giving medical treatment to severely handicapped babies.

The only exception to this ruling

is an infant who could not survive even with treatment, or one that cannot be recovered from a coma.

This legislation was sponsored by associations involving doctors, hospitals and the handicapped, with the exception of the American Medical Association.

Peace talks begin in El Salvador

El Salvador's leftist rebels and the current government have agreed to begin peace talks with the intent of ending the nation's five year civil war which has already taken 59,000 lives.

The proposal to begin meetings was issued by President Jose Napoleon Duarte of El Salvador. The Farabundo Marti National Liberation Front and the Democratic Revolutionary Front accepted the invitation, suggesting that Colombian President Belisario Betancur serve as mediator during the talks which began Monday of this week.

The talks will take place in a small town called La Palma. The town is located 51 miles north of San Salvador in rebel controlled territory.

Five days before talks were scheduled to begin, U.S. Secretary of State George P. Shultz met with Duarte in El Salvador. The Secretary praised highly Duarte's proposal to meet with the rebels under no preconditions other than that negotiators be unarmed, and the news media be present.

The meeting between Duarte and Shultz was not made public. It is known, however, that Shultz, under guidance of Reagan's administration, and Duarte agreed that the rebels should have no part in the government unless they move through the democratic process,

Duarte, a Christian Democrat, is El Salvador's first freely elected president in 42 years.

Large voter registration reported

This year the various political parties and organizations believe they are experiencing what could be the greatest results from a voter registration drive in the history of the United States.

The Republicans report signing up 2.7 million new voters who either support Reagan, or claim to be Republican. The Democrats, on the other hand, claim that from their party's constituency they found 3 million new voters to register.

Other organizations involved in the voter registration drive include the Moral Majority which claims to have found 2 million new voters, and Voter Mobilization estimates an addition 100,000 voters.

Although these figures may sound impressive, according to Curtis Gains, head of the Committee for the Study of the American Electorate, they mean little until compared with the number of voters who registered because they recently reached voting age.

NSA proposes new phones for security

Recently, Walter G. Deeley, representing the National Security Agency (NSA), disclosed a proposal to equip the nation's offices of government and industry with 500,000 phones that can be secured to prevent eavesdropping.

Although this program could run into the hundreds of millions of dollars, Deeley feels that the people of the United States should "be aware that if we don't protect our communications, it can do a great deal of damage to us."

In other words, the National Security Agency believes very strongly that the Soviet Union as well as other nations have been getting ahold of important intelligence information by intercepting phone calls made within the United States.

The NSA is the most secretive of the United States' intelligence organizations. The agency was set up by Harry S. Truman, and deals largely with electronic intelligence throughout the world.

Shuttle experiences "Cosmic hit"

Last week, while in orbit, the space shuttle *Challenger* experienced what was described as "a heavy cosmic burst of radiation." The source of this "cosmic hit" was a sunspot which erupted, sending out some kind of electrical disturbance.

As a result of this disturbance, the contents of the memory of the Tracking and Data Relay satellite were dumped. This satellite orbits 22,000 miles above the *Challenger* where it serves to expedite communications between the passengers of the shuttle, and mission control.

It is believed that very little of the data was actually lost, because it is stored on tapes within the *Challenger*.

Despite complications, the shuttle's crew continued use of the radar camera which receives radar signals from the earth. These signals are transmitted into digital data which is relayed to earth where ground computers turn the data into photograph-like pictures.

A Presidential Debate Summary

On Sunday night, Oct. 7, President Ronald Reagan, and Walter

F. Mondale debated the issues which constitute domestic affairs. Here are some of the policies which they discussed.

Budget deficit

—Reagan holds that the deficit can be reduced by cutting government expenditures, continuing lowering inflation, and economic growth. Mondale considers that the only way to cut the deficit is to raise taxes.

Social Security

—Mondale claims that although he has proposed \$100 billion in budget cuts, he will not cut Social Security, Medicare, or student assistance. Reagan said that he would not reduce Social Security in regard to those who are already receiving its benefits.

Abortion

—Reagan stated that he considered the unborn child to be protected by the constitutional guarantees of life, liberty and the pursuit of happiness until someone can prove that the not yet born are not yet human beings. In summary, Mondale's reply was that the answer to when life begins is "no that simple," and that abortion involves a "personal and private moral judgment" which affects both the mother and child.

Taxation

—Mondale pledged not to raise taxes for those whose income less than \$25,000. Reagan will consider raising taxes only as a last resort, because he does not see undertaxation as the nation's deficit problem, but rather that "government is overfed."

Black Hole

from page 4

you really serious?) I'm sorry to say this, but how could you possibly expect to say something like that and get away with it?

The people here are not dumb, sir. You don't have to be a connoisseur of culture to say that Rolla has about as much living culture as a quart-jar of yoghurt. And to say that Rolla comes close to being the center of the universe—you must be some kind of megalomaniac!

I don't mean to be a meanie, sir, but I think you probably need to know the facts. Nobody has to "concentrate on the bad" and "conjure up negative aspects" to see the not-so-agreeable side of Rolla. (Why would anybody be so crazy as to do such a thing, anyway?) This is not to say that Rolla is a total write-off. But to elevate Rolla to the dizzy heights that you did is to be foolhardy.

It would be a far better exercise

in truth to acknowledge what is wrong with the town, so that these aspects could be put right if possible. Furthermore, it is unjust to the many students of UMR who really feel the pinch of the worse side of Rolla to pretend that it is the best place to live in (not to mention that it is an insult to their intelligence).

You talk about the friendly residents of the proximity. Now I know it's not "in" to complain, but truth can help put things in perspective.

Sir, there have been authenticated incidents in which foreign students have been refused lodgings by owners who bluntly (and illegally) say they don't want to have "foreigners." Not that the attitude of a few "country morons" is going to bother the students, but they sure couldn't describe it as friendly. Granted that all residents are not this way, but you see that

the surroundings can get not-so-friendly-sometimes.

Also, you might consider that not everybody gets to go home for the long weekends and every vacation, especially if your home is 18,000 miles away. There are hardly any campus activities during these vacations, and being stuck in the so-called agreeable environment of Rolla can be a far-from-agreeable experience.

Frankly, Rolla or UMR is not exactly a great social environment—and I have nothing to lose by saying it. I know it's ugly to complain, but I wouldn't call that complaining. I'd call it a fact.

Of course it goes without saying that anybody can have an opinion of Rolla, based on his individual experience, but sir, while agreeing that Rolla may not be a Black Hole, I could earnestly ask you to spare us your thoughts about Rolla

being the greatest place to live. (and, as you speculated, "there are many out there who will echo these sentiments...")

It's just a fact—after all, those

jokes were not made up for nothing. Here's to the best thing that ever came out of Rolla—Interstate 44.

Sincerely,
Rajpal Abeynayake

UMR listed in 'Peterson's Competitive Colleges'

Rolla, Mo. --The University of Missouri-Rolla has been selected for inclusion in the third edition of "Peterson's Competitive Colleges," a publication profiling 302 colleges and universities that consistently have a large number of applicants with above-average credentials.

This group of colleges and universities, along with 27 art and music schools that have highly selective acceptance rates, represents less than 10 percent of all American institutions of higher education.

The picture on page 3 was shot from the top of the fire escape on the Chemistry Building looking down on the parking area in front of the Rolla Building.

Peterson's Competitive Colleges is the publication that determines which colleges have the most competitive admissions pictures based on data such as the ratio of applicants to the number of students accepted, freshman entrance examination scores and where freshmen ranked in their high school graduating class.

The book is published by Peterson's Guides, the Princeton, N.J.-based publisher of education and career reference materials.

Open Forum

from page 1

the Quadrangle.

When insufficient funds to make a renovation exist, then only routine maintenance can be made. Zink comments, "Over the last four or five years, we've been able to play catch-up, and I think we've done a pretty good job."

—KMNR—

The attention here was directed at the large cutbacks the radio station is making for next year. There were no major increases.

KMNR Cutbacks

Item	1984-85	1985-86
Publishing	\$ 550	\$ 300
Reproduction	550	400
Consumable supplies/services	5,010	4,000
Repair/Maintenance*	5,500	1,700
Equipment*	7,500	1,600
Building/Construction*	3,784	0
Computer Charges	1,200	800
Total (all items included)	72,034	56,700

The reason for many of these cutbacks, said George Miller, KMNR business manager, is that KMNR has lately spent much money to improve its facilities (new offices, equipment). Miller doesn't foresee many such costs in the next three or four years, so cuts are being made in those areas (starred items above).

Another question was raised about air hours; they aren't on 24 hours a day. Miller answered saying, "School is tough this year. . . . Nobody seems to want to get up at 7:30 in the morning." KMNR lacks the DJs to fill the odd hours, and since they are in a "transitional stage" bringing in the format, many have quit.

—St. Pat's Board—

The St. Pat's Board took some heat when they would not open up all their books for Student Council inspection, namely, the money they make from Green sales.

Calvin Stites, Board treasurer, argued that income from Green sales is "Board business. It's never been done."

Darrell Angleton, chairman of the Student Council Student Appropriations Committee, responded, "It's not very hard to disclose what you have. . . . When you hide something, people think you have something to hide."

—Student Union Board—

The question here was about the way the concerts are handled.

Concerts are produced at a loss. For instance, the Greg Kihn Band concert last year cost SUB \$13,800, but only brought in \$5,000.

Concern was expressed that the budget for the concerts, \$40,000, was spent by only 35 people. "Why not some kind of ballot?" Mark Stuntzel, SUB president, answered that probably wouldn't work. "We don't always have a choice. Some bands just don't want to come to Rolla and play in Gale Bullman [Multi-Purpose Building]." So SUB hires whomever they can get sometimes.

Another question was raised about entertainment for the entertainers. Whenever SUB has an artist here, the Concert Committee takes him or them out to dinner, and they pay for his meal as well as their own—and there are more than just a couple of them on the committee. Stuntzel explained that only \$500 is budgeted for these dinners, and a dinner is about all a committee member gets for his work anyway so it is okay.

—The others—

Discussion for the rest was more than uneventful for the Missouri Miner and Student Council itself.

The Missouri Miner editor-in-chief, Pat Van Ryckeghem, explained that much of the increase his organization is seeking is to correct for incorrect budgeting in the past. The budget proposed this time is accurate, he said, in the past. The budget proposed this time is accurate, he said.

The only question raised was why Miner editors make so much (on the order of \$1,400 to \$2,000) when people on other organizations (e.g., Student Council) put in as much time but get paid little or

nothing.

Van Ryckeghem answered that they had found that a raise in salaries was necessary to improve the quality of the paper. He noted that there is no journalism school at UMR-Rolla such as there is at UMColumbia which makes it impossible to put out a quality paper without paying employees.

The Miner advisor, Curt Adams, also brought out that these salaries were originally considered because the paper was in violation of Federal wage regulations with the lower ones.

Kevin Renfro, president of Student Council, explained Student Council's increases. These were mainly to start up a couple new accounts.

A recruiting committee is one of these new accounts. Renfro said enrollment has been dropping (hence, many of the organizations are having to raise their per student requests), and the University is feeling the bite. Therefore, enrollment management policies are now out, and the University is restarting recruitment policies.

Renfro said, "The idea is to bring more students into the University and hopefully help everybody out."

Another new account is a loan fund. None of the service organizations have money lying around to buy equipment when it is needed or when a wise buy happens along. An example is RAM, Rolla Association for Microcomputers, which bought a computer for itself with limited funds. With just a little more money they could have bought a much better system.

Renfro commented, "We think it's a service that's needed on campus."

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The Japanese Automobile

The Special Report is intended to broaden the Miner's readers' knowledge on many and various issues.

This week's Special Report was done last semester as a term paper by Chuck Drebes for an American Government class (Political Science 90).

AFTER WORLD WAR II, THE United States emerged as the world leader. We seemed to control the world in many respects, but in particular, in the economy. American technology and techniques of mass production made us the industrial leader of the world.

One of our most rapidly growing markets was the automobile industry. We exported our product worldwide believing in the free trade theory. For a while we had excellent trade relations with Japan. But Japan, believing in the idea of protectionism, required the United States to withdraw. They began to rebuild their entire economic and industrial structure.

Since then, Japan has become dominant in many of the world's major trading products. In particular, ever since the 1970s, they have begun to invade one of the United States' most important and integral markets of the economy—the automobile industry. This brings us to the policy dilemma at hand: the plight of the American automo-

bile industry.

Problem Identification:

BASICALLY, THE PROBLEM of concern is the decline in dominance of the U.S. auto industry due to the ever-improving and ever-growing Japanese manufacturers. The increasing tendency of Americans to buy invading Japanese imports has been "toying" with our sensitive economic structure. In 1980, "The Japanese exported 1.9 million automobiles to the United States, or nearly one quarter of all cars sold in this country. The American auto industry lost a staggering 4.2 billion dollars."¹ The statistics speak for themselves: "Chrysler announced the size of its 1980 loss, which was the largest ever suffered by a U.S. corporation, at 1.7 billion dollars, it was appreciably worse than the previous record—the 1.5 billion dollar loss reported by Ford just eight days earlier."² But, more importantly, vast numbers of Americans have been put out of work as an end result: "In 1981, 200,000 auto workers had been laid off, with another 700,000 having been hurt through a ripple effect."³ A majority of those losing jobs may never be able to return. Thus it is that ever since the emergence of Japan into the world market, the U.S. economy has been frustrated.

The root of the problem is easy to identify—money. In our tight economy, the average citizen is virtually forced to buy the cheaper product, which Japan offers, and at what many believe to be superior quality. "Japanese cars, in particular, cost on average about 2,000 dollars less to build than American automobiles."⁴ Therefore, even with all the shipping costs and fees, Japan is able to present a less expensive car.

The main reason for the low cost is their cheap labor. After the second world war, Japan, in shambles, became determined to rebuild. The workers are thus not primarily motivated by money and will work for a much reduced pay rate. "Their productivity advantage comes... mainly from the fact that they have a work force that's turned on, willing to work, and excited about making cars... whereas our workforce has been hostile to management, and managers have been hostile to the workforce."⁵ Japanese workers are given more responsibility in the production of every car, having authority to inspect the quality of the autos in production and to stop the assembly line if necessary to make a certain repair. The laborers can therefore feel that they are individually important in the manufacturing process. Not until recently have such practices

been implemented in American corporations. So possibly, the attitude of our laborers is part of the dilemma, necessitating what Professor William J. Abernathy quoted for *Forbes* magazine as a "cultural revolution."⁶

Thus it is that the automobile industry was, and still is, a problem demanding attention and action. In the early 1980s, many solutions were proposed, by various groups attacking the problem through different modes which will next be discussed.

Policy Formulation

ONE OF THE FIRST REALISTIC approaches to the problem was proposed by President Ronald Reagan himself in early February, 1981. It was actually a program which originated in the Carter administration but was never successfully attempted. "The Reagan administration... is tinkering with a proposal for the development of a three-way compact among industry, labor, and government."⁷ Basically, Reagan promised to pursue some type of curb on the number of Japanese imports, giving the major automakers time to recuperate; modernize facilities and produce improved quality cars at a more reasonable price. The final part of this plan was to involve a sacrifice by the workers. The United Auto

Workers would agree to accept limits on wages and other benefits in order to reduce production as the Japanese have since WWII. The latter segment was considered the most difficult, yet important step.

The first piece of legislation was proposed by Senators John Danforth, a Missouri Republican, and Lloyd Bentson, a Texas Democrat. The bill called to limit the Japanese auto imports in the United States to 1.6 million units a year for about three years.

Two groups of people immediately surfaced within a special task force in Washington, D.C. on the protectionist side—Danforth, Transportation Secretary Drew Lewis, and Secretary of Commerce Malcolm Baldrige. On the free trade side were Treasury Secretary Donald Regan, David Stockman from the Office of Management and Budget, and Murray Weidenbaum, chairman of the Council of Economic Advisors.

The quota advocates believed that "for each 100,000 units of auto production shifted from Japan to the U.S., an additional 20,000 to 25,000 jobs would be restored to the automobile industry."⁸ Other profits would be prompted towards modernization of the manufacturing facilities. Those who maintained an anti-quota stance believed Reagan's economic

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Import Dilemma

Special Report

recovery plan would greatly improve the situation. These same people saw that the quota, in a period of inflation, would drive prices up. At the time, there was not much hope for this bill to pass; however, "it was a valuable bargaining chip in the efforts to persuade the Japanese to agree to voluntary restraint."⁹ Thus, perhaps the most important immediate effect of this bill's introduction was to alert the Japanese government that changes were needed.

One of the most practical approaches has been advocated by one of the greatest economists of our time: Milton Friedman. He believes in a laissez-faire approach to this situation, in which the government maintains a "hands-off" attitude. He believes that our present woes are the result of past government interference into the economy. As he stated in the March 1981 issue of *Newsweek*, "The way to remedy past regulatory mistakes is not to add new government controls."¹⁰ Friedman argues that we must keep the market completely open, not to restrict the car-buyers at home and abroad. And if the domestic industry continues to suffer, then the root of the problem exists in the American automobile manufacturers themselves.

In July of 1981, the United Auto Workers began to push legislation requiring a certain percentage of parts and labor of foreign imported cars to be of U.S. origin. As introduced in Congress, the title of this bill is the "Fair Practices in Auto-

tive Products Act."¹¹ "As the bill now stands, it calls for 10% value added in the U.S. for every 100,000 cars a company sells here" (excluding companies that sell less than 100,000 a year).¹² For example, if 300,000 cars are sold in one year, 30% of the next year's cars must be of U.S. origin. Certain penalties would be invoked in the form of import limits, should these restrictions fail to be met by a foreign company.

It is thought that this legislation would encourage Japanese corporations to build more autos in the U.S. utilizing some of the work force now out of work. In fact, "the Commerce Department estimates that Japanese car sales in the U.S. would decline by one million units a year under domestic content regulations."¹³ However, there is fear that a decrease in imports would drive up retail prices, decreasing the

purchase, as well as production of American cars. So the "domestic content" regulations is a hotly contested piece of legislation.

Policy Adoption

OF ALL THE PREVIOUSLY mentioned proposals for rejuvenating the American auto industry, probably the most far-reaching was the Danforth-Bentson bill which called for a quota on Japanese imports. Immediately after its introduction, a sharp split occurred in Washington. The special task force created by Reagan shortly after taking office to cure that troubled industry divided into two

groups, as mentioned earlier. The major advocates of a quota were Danforth, Baldridge, and Lewis. Those opposed were Regan, Weidenbaum, and Stockman. Because of the many Cabinet members and other prominent officials on the task force, enacting legislation could have split the administration. But Reagan didn't want to veto any such legislation—or turn his back on Detroit either.

The situation was soon resolved. After David Stockman dramatically and suddenly reversed his position, the task force was able to reach a compromising solution, a message submitted to the White House stated that "the U.S. now expected a voluntary reduction in imports."¹⁴ The bill was later withdrawn, and all parties were satisfied. Even Danforth was not discouraged; in fact, "his purpose was not really to get his bill enacted, but rather to force the administration to move on imports."¹⁵ So the issue turned from Congressional legislation to the diplomacy arena.

Here in this arena followed months of intense debate

between U.S. Trade Representative William Brock and Japan's Minister of Trade Rokusuke Tanaka. The main American thrust was the threat to pass legislation should the Japanese refuse to accept the agreement.

Tanaka first proposed a reduction to 1.7 million autos for a year, down from 1.82 million the previous year. But, finally, the two agreed on a limit of 1.68 million for two years beginning April 1, 1981. But in the second year, Japan could increase its imports 16.7% of any rise in U.S. sales for the first year. An agreement was also

reached to continue a quota system beyond the second year, if needed.

Accordingly, in February of 1983, Japan announced it would continue the quota on its original terms. Looking to a fourth year on imports, Japan demanded that the quota be increased. An agreement was reached at 1.85 million, signaling what Bill Brock quoted in the *New York Times* as a "transition period to insure that the economic recovery is not derailed by a sudden surge of imports."¹⁶

So although the Danforth-Bentson bill was never passed,

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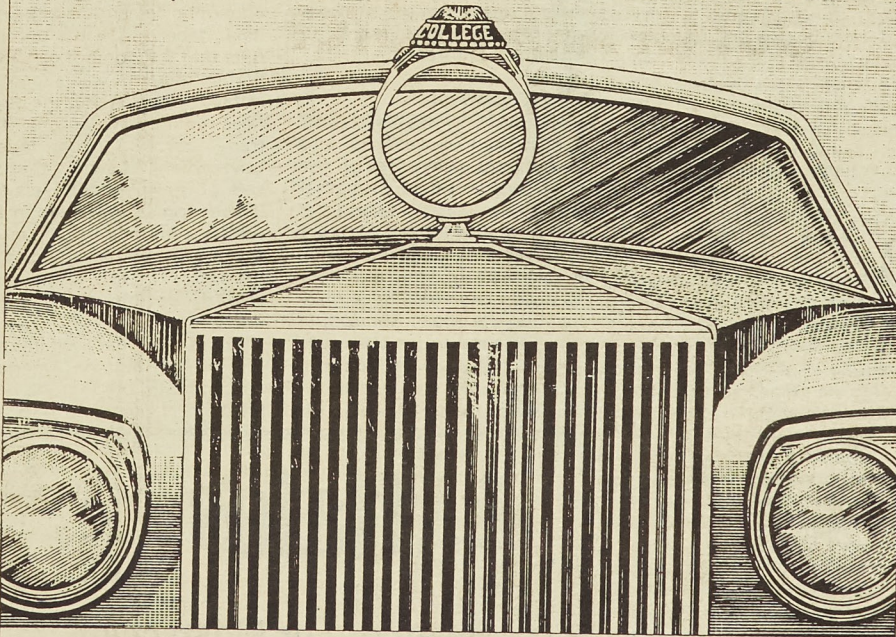
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Special Report: Japanese Imports

from page

it remained an important catalyst for U.S.-Japan negotiations producing policies dramatically affecting both countries' auto industries from 1981 to the present.

Another bill which was hotly contested was the "domestic content bill," which would facilitate a greater percentage of domestic parts and labor into Japanese automobiles, which would increase revenue from domestic products and/or force foreign competitors to reduce imports. (The specifics of this bill being discussed earlier.) It was strongly supported by the United Auto Worker's Union.

Although at first sight, this proposal would seem to greatly increase jobs and domestic revenue, the majority of economists and government officials believe that this bill would worsen the economic situation.

Ironically, "The domestic content bill flagrantly violates the international General Agreement on Tariffs and Trade (GATT), which specifically prohibits such actions."¹⁷ Furthermore, the current success of import quotas diminishes the need for this bill.

Although the "domestic content bill" was passed by the House early November 1983, "it is expected to stall in the GOP-controlled Senate. Anyway, should it somehow pass the Senate, it probably would be vetoed by President Reagan."¹⁸

I would also like to mention the outcome of Reagan's plan. Actually, certain parts of the three components have been put into action. For example, the government successfully negotiated the quota; for the second part, the UAW has recently attempted wage and benefit controls; and for the third part, the entire industry has improved the quality and manufacturing techniques. So, in addition to the virtual outcome of the Danforth-Bentsen bill, Reagan's three part plan also achieved limited success.

Policy Implementation

BECAUSE THE QUOTA SYSTEM was "voluntary" by Japan, a lot of the success of implementation rested in their hands. Actually, their government was always willing to negotiate such restrictions in order to maintain favorable political and economic relations with the United States. It was the Japanese auto industry, though, that hampered earlier agreements. Everyone associated with the Japanese manufacturers, which includes a major segment of that country, had always resisted such limits. "Many Japanese view their country's automobile exports as important in generating the foreign exchange necessary to pay for their imports of food, energy, and raw materials."¹⁹ But in order to prevent any harsh action by the U.S. government, the Japanese corporations finally cooperated.

There were a few problems, however, in the early implementation of the quota here in America. For one, Japan had

supposedly built up some inventories in the United States, and so the effects of the quota were not at first felt. Also, the buying patterns of Americans were not initially compatible: people kept their cars longer because of increased prices or waited until their Japanese dealer received more imports.

One of the more shocking immediate results was the increase of prices of both foreign and domestic models brought about by a reduced competition. In late 1983, "The average Japanese car sold for about \$8,600—a 49% increase since the quotas began in 1981. The selling price of domestic models rose 44.7% in the same period up from \$7,400."²⁰

But the main objective of this policy was to give the domestic automobile producers time to make profits and to "catch up" to the level of competition with Japan. And that is exactly what has happened. "The Big Three Automakers have rebounded so strongly that they are now within reach of record profits. General Motors, Ford Motors, and Chrysler together earned 2.9 billion dollars in the first half of 1983 and could reach 6.6 billion dollars for the entire year."²¹

The agreement of 1984-85 set the limit to 1.85 million units to provide the Japanese a gradual return to free trade. Detroit is not happy with this. The major corporations do not believe they are ready for a return to such competition. Despite the recent large profits, they are still not able to build a car as cheaply with the quality as Japan. However, the success of the quota, coupled with the imminent economic recovery, have given the American automobile industry time to re-establish itself permanently in America and abroad.

Policy Evaluation

IN THE LATE 1970S AND EARLY 1980s, the decline and apparent downfall of the American car industry together with the increasing number of Americans put out of work necessitated that some action be taken. Many solutions were proposed and some bills introduced in Congress. The root of the problem was seen by many to be the invasion of Japanese cars into our society. Finally, the Reagan administration

decided that it was best to persuade the Japanese to self-impose a voluntary limit on the number of Japanese imports to the United States, which was successfully negotiated.

Although the voluntary quota has been producing favorable results, I do not believe that it was the best solution. I would have liked to see the Danforth-Bentsen bill or some other form of it passed by Congress. The auto industry is too vitally important to our economy and nation to be fooling around with it! Legislation should have been enacted to ensure the recovery of this important industry. There is some fear in Detroit right now that the loosening of the quota from 1.68 million to 1.85 million a year, suggesting a gradual return of imports to free trade in the U.S., is occurring too soon. All good that has come could be lost. The major automakers would like to see more long-range or permanent quotas legislated to give them sufficient time to reach the Japanese level of competition.

Also, ever since World War II, Japan has restricted American imports to their country. These restrictions have basically taken the form of extra fees and other standards, such as pollution control equipment, which must be approved before permitted into their country. These extra costs add several hundreds of dollars to the already expensive American automobile. American car sales in Japan have therefore been limited to the wealthy. These restrictions are quite unjust. So the United States must take the situation more seriously and take prompt, stern action towards the Japanese government.

The agreement to seek the voluntary quota "was not an economic decision, it was a political decision."²² It is unfortunate that the good of our automobile industry was sacrificed in favor of satisfying the Japanese and a few ardent "free trade radicals" in our federal government. It seems that the U.S. government still feels that it owes something to Japan. But we are a major part of the reason that Japan has attained the industrialization and highly active economy that it has today.

Japan feels that their imports are not hurting the American auto industry but that the main problem is our state of econ-

omy. In part this is correct, but they must be more careful and considerate in the way that they are negatively influencing our unpredictable economy. And for once, the United States must begin to be concerned with our own benefit to get this country back on its feet.

- ¹ "Tough Tangle over Trade," *Time*, March 16, 1981, p. 71.
- ² "Mapping the Defense of Detroit," *Time*, February 9, 1981, p. 62.
- ³ Eugene J. McAllister, "Quotas vs. Consumers," *Consumers' Research Magazine*, July 1981, p. 11.
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How to avoid college loan sharks

by Sally Love

If destitute, impoverished or just plain broke describes your condition you should read this.

The Business and Professional Speaking class of Speech and Media Studies recently did a survey of financial aid sources. Taught by Dr. Lance Haynes, the course includes study, interview techniques and businesslike presentations, with a practical goal of helping the students in public speaking situations and improving their campus. They supplied the following information.

Getting financial aid is an ongoing process for many students. The financial aid office at UMR is an excellent place to begin. Bob Whites, the director, or any of the rest of the staff will be glad to answer any questions you may have. However they are limited to the supply sources sent in to them and the questions you ask.

Getting money is no time to be shy, lazy or ignorant. It's your job to get the facts; so you will have to be the dominant force in some situations. Don't assume that because one source can't help you, others won't. Being nosy can be a great asset at a time like this, pushy

friends are also useful, but do apply some tact.

Take a list of questions with you and add to them as you go along. Being informed will take you further and save others time, a point in your favor. Leg work is an unfortunate part of life, in the business of getting money, it's worth it.

A list of all financial sources would be too extensive to list here but the following are some potential sources.

A phone call to your local fraternal or civic club officer could reveal sources of scholarships. Although usually for freshmen, these can vary in amount and criteria. Other sources of scholarship information include you department, your high school counselor's office and the library. Check the card catalog under federal aid for scholars and student financial aid.

Federal and state grants may be applied for at most schools and the financial aid office. Other grants are given by individuals, academic clubs and industry. These may be discovered by checking with your academic department, the boss or local financial aid office.

Loans are available through the

bank in your area and the financial aid office. Paying them back is a fact of life though, so it is recommended that other sources be used first. High interest loans should be particularly avoided. This is not time to visit the crime syndicate.

Another reliable source of money is work. Yes, I know it's a four letter word. Part-time work is available at a large number of Rolla businesses and the co-op program is thriving on campus. Work-study is also a valid alternative. Check the want ads, you department and knock on doors.

Other sources include the Vocational Rehabilitation office, the Veteran's Administration and the employment office.

Timing is an important factor with all types of aid. You must observe all deadlines and read all the fine print. Omitting any necessary details can cost you money. You are responsible for the facts you put down.

Meanwhile, don't give up. It may take longer to graduate by attending part-time, but remember that time goes by whether you go to school or not. A late degree is



A Popular Man: Director of Student Financial Aid, Robert W. Whites.

Election Brief: Know thy party

by Jane Sheputis

With the Presidential Elections coming in November, political activity is in the media's spotlight. Everyone seems to know who he favors for president and have a stand on issues, but not everyone knows what he feels is enough about who is running for the senate or the House of Representatives. What the candidates for a particular office believe in or their ideology has not been to publicized, knowing what the candidate's party is might help some people's decisions at the polls.

Republicans are known to be conservative and to want to help businesses grow and thereby stimulate the economy to promote prosperity.

Democrats seem to support causes that redistribute some of this nation's wealth among less fortunate individuals, and they also appear more active against discrimination.

Strangely enough, history indicates that America's two party system has always represented two sides to its society: that of the wage earner, that of those who believe in strong popular rule, that of the upper middle class, and sometimes that of business.

The Democratic Party is the oldest. Some historians think it traces its roots back to the Democratic-Republican party (D-R) from the Founding Fathers' time.

Jefferson, who was the party's first successful presidential candidate, advocated the D-R's stand for stronger state and personal rights.

When the untied United States had what was considered an exper-

imental leftist form of government the D-R struggled for its legislation against the Federalist party who wanted a stronger central government which would be more traditional and therefore safe.

The Democrats were not called that until 1828 when the enormously popular Andrew Jackson was made president. He helped put together the first modern party organization and developed the coalition of farmers, city laborers and state bankers that supported it.

The Democrats were united by a wish for limited federal government, which is ironic considering the modern day party's goals, but the people involved had such different backgrounds that the party constantly had internal conflict over political issues.

The Democratic Party was so split over the slavery issue that it gave the Republican Party a chance to grow.

When the new western states were given the responsibility of choosing whether to have slavery or not under the Kansas-Nebraska Law of 1854 some Northern politicians became so discontent they

decided to form a political party that would definitely be anti-slavery.

Fledgeling Republicans lost their first presidential campaign they realized that they needed more than abolitionists' support to become a national strength party. So they promoted generous western land distribution, high tariffs and laws that helped business grow.

When "Southern War" Democrats split the party's vote in 1860 this nation's first Republican President, Abraham Lincoln was elected.

After the Civil War and Lincoln's death, Republican congressmen who did not share the assassinated president's unpopular moderate views hampered the reconstruction plans that Democratic former Vice President Andrew Johnson tried to implement.

The Republican Party was the favorite of the more heavily populated North right after the Civil War. This favor faded with the wide spread government corruption that developed during Ulysses S. Grant's administration. Weaker presidents, however, remained popular until Theodore Roosevelt's

time.

Republican President Roosevelt and the popularity of "Progressivism" at that time brought about pure food and drug laws, national parks, imperialism, the regulation of big business and the break up of the big monopolies.

Until the Great Depression the Republican Party was more powerful since its supporters, the agricultural West and the industrial East business leaders remained more loyal to their party than the city laborers, small farmers, and southerners were to the Democrats.

Republicans promoted business during this time and became known as the "Party of Prosperity" in the 1920s.

The Great Depression helped Democrat Franklin D. Roosevelt come to power. He used old populist ideas such as increasing the money supply and public works projects to employ workers and build needed roads and bridges to help the economy and people hard hit by the depression.

FDR's political genius also brought together a coalition of labor, Southerners, small farmers, blacks and cities for the Democratic Party

that has lasted until the 1980s.

Recently, however, during the Reagan administration political experts have been talking about signs of political realignment. Groups such as the conservative South are starting to vote for Republican candidates such as Reagan.

Some history textbooks even claim that Carter's election was a fluke brought about by Watergate and that the public is getting tired of "welfare state" policies and wants business and personal "productivity" promoted.

Political parties have helped organize our government, especially Congress, and have supported and funded candidates from all walks of life whom no one would have heard of otherwise.

Parties help make a democratic government more representative, particularly in the U.S. where the existence of two strong parties keeps those in power on their toes with established "loyal opposition."

Living in U.S. today would be different without these institutions to provide easier public access to the government, and perhaps not as fair?

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BMI competition open

New York, NY, Sept. 15—The 33rd annual BMI Awards to Student Composers competition will award \$15,000 to young composers. James G. Roy Jr., BMI vice president, Concert Music Administration announced today. He added that the deadline for entering the 1984-85 competition is February 15, 1985.

BMI established the awards program in 1951 in cooperation with music educators and composers. The contest is designed to encourage young composers in the creation of concert music and, through cash prizes, to aid in continuing their musical education. The prizes, which vary from \$500 to \$2,500, are awarded at the discretion of the final judging panel. To date, 297 students, ranging in age from 8 to 25 have received BMI Awards.

The 1984-85 competition is open to students who are citizens or permanent residents of the Western Hemisphere (including North, Central and South American and the Caribbean Island nations) and who are enrolled in accredited secondary schools, colleges or conservatories or are engaged in private study with recognized and established teachers anywhere in the world. Contestants must be under 26 years of age on December 31, 1984. There are no limitations as to instrumentation, stylistic consideration or length of work submitted. Students may enter only one composition, which need not have been composed during the year of entry. Compositions, which are entered under pseudonyms, are considered by a preliminary panel of judges before going to a final panel. Last year's Preliminary

Judges were Gheorghe Costinescu, Gerald Warfield and Frank Wigglesworth, with Ulysses Kay serving as Consultant. The Final Judges were T. J. Anderson, George Crumb, Paul Dunkel, Max Lifchitz, Richard Moryl, Kirby Pines, Robert Pollock, Christopher Rouse, William Sisson, Pril Smiley, Bruce J. Taub and Noel B. Zahler, with Ulysses Kay as Presiding Judge. William Schuman is Permanent Chairman of the judging panel. In the 1983-84 competition, 22 winners ranging in age from 9 to 25 were presented awards at a reception at the St. Regis-Sheraton Hotel in New York City on May 10, 1984.

Five previous winners of BMI Awards to Student Composers have gone on to win the coveted Pulitzer Prize in Music. They are George Crumb, Mario Davidovsky, Donald Martino, Joseph Schwanter and Charles Wuorinen.

BMI is the largest music licensing organization in the world, representing over 72,000 writers and publishers. More than 50 percent of the music played on American radio stations in the past year is licensed by BMI. It also has reciprocal agreements with 37 foreign performing rights licensing organizations around the world, making its music available there and representing foreign music in this country. Each year BMI sponsors a variety of workshops and seminars designed to encourage participation in all areas of music.

Official rules and entry blanks for the 1984-85 competition are available from James G. Roy Jr., Director, BMI Awards to Student Composers, 320 West 57th St., New York, NY 10019.

Hound Vs. Hare: The chase is on!

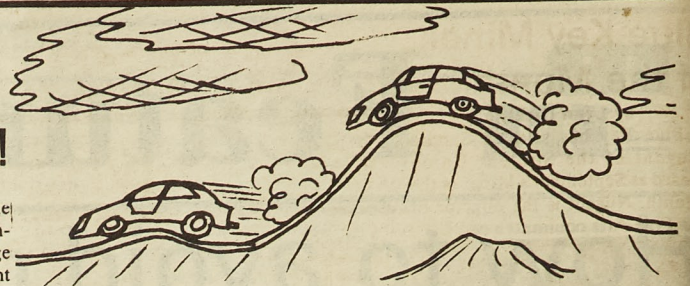
On Friday, Oct. 25, 1984, the UMR Sports Car Club will sponsor an organizational challenge Hound-n-Hare road rally. The event is set up as follows:

A lead car, the "Hare", leaves the starting point an hour before the "Hounds". The Hare's course is unknown to the Hounds.

As the Hare travels, he will drop lime bags on the roadway. A single lime bag indicates that the Hound is following the correct course. Two lime bags on the course indicate that the Hare has possibly made a change of direction within ¼ mile. At the intersection, the Hounds must choose whether to turn left, right, or continue ahead.

If the hound chooses correctly, he will see another lime bag within two miles. If not, he must turn around and choose another direction. The winner of the event will be the entry with the accumulated mileage closest to that of the Hare.

Registration begins at 5 p.m., and cars leave at 6 p.m. The start/finish point will be Fraternity Drive. Official mileage will be between 75-90 miles. The event will end at approximately 9:30 p.m. Awards will be presented at Godfather's Pizza immediately following. Trophies will be awarded for the top 3 finishers, and a traveling plaque will be awarded to the highest finishing organizational representative. There is no limit of entries per organization, or riders per car. Dormitories will be counted by floors. The entry fee is \$5.00 per car.



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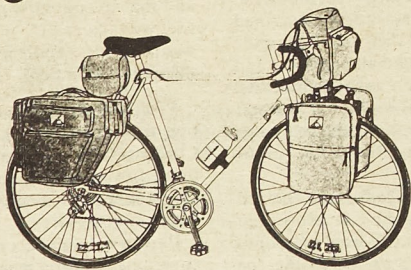
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Blue Key Miner of the Month

by Lynn Dickison

Blue Key has selected Sandra Nugent of the Student Union Board as September's Miner of the Month. Nugent is the director of the Fine Arts committee of SUB.



Last month Nugent organized three major campus wide events. They were the G. Gordon Liddy Lecture which was held in the Multi-Purpose Building on Sept. 21; the Thomas Hardy's England, a water color art exhibit which was displayed in the University Center-West lobby Sept. 13-Oct. 4; and Congressman John Anderson lecture, which was held Oct. 8 in the Multi-Purpose building.

Preparation for both lectures included organizing publicity, arranging transportation for the lecturer to and from the airport, having tickets printed and sold, seeing that the gym and sound system were set up properly, contacting UMR police, and arranging to have volunteers take tickets and check IDs at the door. She delegated the work load through the Fine Arts committee. SUB said "The Liddy lecture went over very well with an audience of 1000+ people."

Preparation of the art exhibit included contacting OPI, ordering publicity and seeing that the exhibit was put up and taken down.

Nugent is also active in IEEE, Tau Beta Sigma, University Band, and Big Brothers/Big Sisters of Rolla.

Classifieds

MISC

Lost puppy—1/2 Husky 1/2 Malamute, black and white female, 1 brown eye, 1 blue eye, about 12 pounds, cash reward for her return. Call 341-2247.
Sigma Chi Homecoming TGIF on Fri. Oct. 26 1-5 p.m., 1310 N. Pine St. (Across from the Physics building.)
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FOR SALE

For Sale: Engine in perfect condition, 1968 Ford 302 V-8 Automatic. Call Paul Fleischut at 364-2314.

On Thursday, October 25, Theta Tau Omega will be hosting the annual Homecoming Hoedown at the Armory. The celebration starts at 8 and continues till 1 a.m. Medallion, who opened for Foghat, will be jamming all night long. There will also be games and prizes. All proceeds will be donated to local charities.

For Sale: HP-41CV "Owner's handbook and programming guide", "Guide for the experienced user", "Standard Applications Manual", "Quick Reference Guide", 2 keyboard overlays, function labels, and module case, unused. Prefer to sell as package, but will consider selling individually. Will accept best offer. Call Mun at 364-6556.

For Sale: 1978 Yamaha 400 special, with quicksilver faring. \$400 or best offer. Call 364-3904.

PERSONAL

Congratulations to Ursula Maxwell for being chosen as Miss Epsilon Psi 1984. We would also like to thank Ms. Yvette Irbay, Ms. Sonvel Ivory, and Ms. Carmelita Green for helping to make this year's ball a great success.

The Men of Alpha Phi Alpha Fraternity Inc.
Epsilon Psi Chapter

E.J.N.,

It's been almost two years since the big day and I love you more every day. Have a good Halloween.

Lisa,

Have you guessed who I am yet? Well, I'll give you a little help. This week's hint is: I'm a lot taller than you. What are you—about five foot? Can you actually even see over the steering wheel of your Cadillac?

Dear Paula (Laura, Donna, Gertrude):

Please come by the House this weekend. We hear it's your B-day.

Volkswagon

Love,
Rockhouse

The men of the Beta Alpha chapter of the Kappa Alpha Order wish to congratulate our new initiates, Brothers Steve, John, and Chris. We're proud to have you as brothers in our fraternity.

Classifieds

Sabre,

I know you like surprises so I thought you'd enjoy seeing this. Maybe someday we'll both decide to go to The Cavern at the same time. Tell Ann not to be so frightened and worried all the time. Too much anxiety shortens the lifespan.

Mike

P.S. I don't think Mohammed is such a funny name.

SAY JYM,

We won't let word get out that you didn't finish off your o---s by the Thursday night deadline last week, just don't let it happen again! WHAT?!

THE SAY GANG

Snoopums—

I LOVE spending long weekends with you! Can we send everybody else home again sometime SOON! I LOVE YOU!!!! Get it straight—okay kid?! I'm glad weebie came back!

Love,

Tinkertoy Woody

Congratulations to the new TKE Little Sister Pledge class. Welcome Cindy, Denise, Judy, Jody, Jennifer, Mary, Karen, Marita, and Elaine.

Here's to coping a buzz on the 206 lost weekend, I hope we win the next trip!

Noxious & Wow

Him & Her

Congratulations to your promise, best of luck in your future!

Her's Best Friends

L & Y

Here's to partying at your house and flopping like fish!

The Many Men Who Have
Passed Through The Doors
(Beta Sigma Psi)

Mike:

Karen called about your B-Day party. She said she might drop in for a Beer.

Kristi:

We heard you were Fonda Love. Glad to hear it.

The Rockhouse

Dear Elvira

I read last weeks classified from Bill. I don't mean to disappoint you, but there is no connection between Bill and me. In other words, you are barking up the wrong tree. So when you speak to me hence forth, please use my proper name with due respect.

Sincerely,
Michael

Brother Phlegmberger—

Congrats on your initiation into KA. Another milestone passed. Now, if we could only work on your snoring!

Pledge Dad

Warning seekers of knowledge:

One must read the fine print on contracts before on signs his soul away. Beware of situations which could force you to pay for something you can't use. The contract at J.R. where T.F.B. roasts is one to stay away from. Heed my warning before it is too late.

Your knowledgeable guide,
Bill

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We, the Undefeatable, Supreme Champions of the World, and Mangers of those Gross Grey Things, the Awesome members of the St. Pat's Board challenge the Interfraternity Council to once again put their heads on the chopping block and commit verifiable suicide by playing us in a game of honor, football!

The St. Pat's Green Beasts will stalk and then maul these perverted zoophiliacs who have a passion for feathered animals. We will show you boys for the 9th straight time that you are beneath our abilities and should not even be seen on the same field as we.

After the game on Oct. 26th you pretty boys are not going to be a pretty sight, that is of course if you make the mistake of accepting our challenge.

Our mission is to pounce and

destroy the gray geeks. We are going to knock you down, help you up, and see you again on the next play, we will leave you bent, broken, and crying for your mommas. We also have made arrangements with the local hospital to give you henpecked bunch of GQs group rates at the x-ray machine because you had better believe you are going to need it.

The game will start at 3:30 on the Fraternity Row Mutilation Field. The Green Beasts call it a mutilation field because that is where we will commit mass mutilation of the IFC, which will stand for Incoherent, Fallen and Crunched, by half time.

All of our great fans will be there and a few of your girlfriends (or at least they are till game time) may show up.

IEEE loses juice

by Tom Roth

The idea was ingenious, the plans were fantastic. A nationwide celebration of the hundredth year of The Institute of Electrical and Electronics Engineers was to take place this last Monday evening. And what better way to honor the founding of IEEE than to demonstrate one of the profession's most modern and most useful accomplishments: Satellite Transmission?

At 7:30 CDT, Monday, October 8, IEEE sections across the nation were to turn their dishes skyward and intercept a satellite television signal carrying a two hour technical session on the future of Electrical Engineering.

Of course, Murphy's Law applies even at UMR. Despite hours of troubleshooting and a roomful

of EEs, the appointed time arrived with only a blank TV screen.

No explanation was available for the failure, although Mike Baldwin, vice-president of the UMR section of IEEE, did comment that an Illinois section also reported reception difficulties.

Not all IEEE members were disappointed, though. Jim Brown was the winner of an HP-41CV that was given away as a door prize.

Alan Zide, secretary of IEEE, was still cheerful in spite of the complications. He felt the meeting was still a success and thought the publicity would serve to heighten student awareness of IEEE on the UMR campus. Zide said, "I have high hopes for better success at the celebration of IEEE's 200th anniversary."

St. Pat's names most psyched

by Jeff Dawdy

Tonight at the Uptown Theater is the event of the week, The St. Pat's Benefit Movie. The St. Pat's Board will present Richard Pryor Live on the Sunset Strip which will be preceded by the Three Stooges. The first showing will begin at 7:00 and the second at 9:30. Tickets are \$1.00 in advance at the Hockey Puck or \$1.50 at the door.

Also we have discovered seven people who rank among the most psyched for St. Pat's 85. These seven were the very first to buy an item from the St. Pat's Board to

help us put on the best ever. They are as follows.

Jeff Rehm-baseball hat
Wayne Jackson-pitcher
Wayne Jackson-tumbler
Mike Grosko-hugger
Mike Rawlings-beer glass
Viggo Forde-garter
Jeff Leith-sweatshirt
Clark Thurlo-sweatpants

Let's everyone try to be like these seven and get out there and buy some green, and then we'll all celebrate in March.

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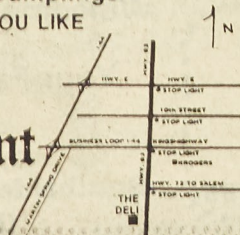
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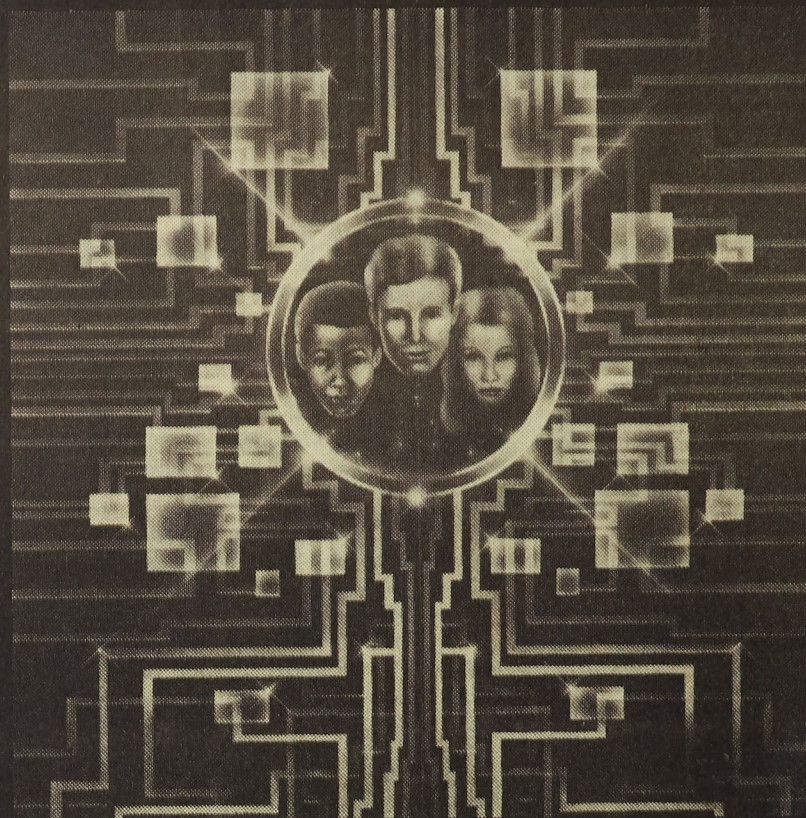
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Placement

Campus interviewing for week of Nov. 12-16

Signups for the following companies will be located in the basement of the Buehler Building, 9th & Rolla Streets. Use the door on the southeast corner. Signup hours: 8:00-11:00 a.m. for morning interviews; 1:00-3:00 p.m. for afternoon interviews.

TEXAS EASTERN TRANSMISSION, Houston, TX
Will interview DECEMBER 1984, MAY 1985 grads with BS in Electrical, Mechanical, Civil Engineering for entry level engineer to work in various departments. STUDENTS ARE TO BRING COMPLETED COMPANY APPLICATION AND A COPY OF THEIR TRANSCRIPT TO THE INTERVIEW.
U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.
Location: Houston, TX
Interviewer: Ron Goley
Interview date: Nov. 13, 1984
Number of schedules: 1
PRIORITY SIGNUP: Oct. 29, 1984
REGULAR SIGNUP: Oct. 30, 1984

E.D.S. (Electronic Data System), Dallas, TX
Will interview recent grads (2-5 yrs), December 1984 grads with BS in Electrical, Mechanical Engineering, Computer Science for The Systems Engineering Development-Engineer Program is a three phase training program designed to develop engineering data processing professionals. E.D.S., in their recent alliance with General Motors, offers career opportunities in Engineering Data Processing applications; a high tech learning environment providing exposure to computerized manufacturing, CAD/CAM, robotics and artificial intelligence. GPA REQUIREMENT: 3.0+ U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.
Location: nationwide
Interviewer: unknown
Interview date: Nov. 13, 1984
Number of schedules: 1
PRIORITY SIGNUP: Oct. 29, 1984
REGULAR SIGNUP: Oct. 30, 1984

GREDE FOUNDRIES, Milwaukee, WI
Will interview recent schedules (if schedule does not fill), DECEMBER 1984 grads with BS in Metallurgical, Mechanical Engineering for Operations Management trainee. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.
GPA REQUIREMENT: 2.8 OR ABOVE
Location: Wichita, KS
Interviewer: unknown
Interview date: November 13, 1984
Number of schedules: 1
PRIORITY SIGNUP: October 29, 1984
REGULAR SIGNUP: October 30, 1984

U.S. NAVY RECRUITING STATION, St. Louis, MO
Will interview all grads, all majors with BS/MS/PhD for all U.S. Navy Officer Programs including aviation, surface warfare, nuclear power engineering, duty officer. U.S. CITIZENSHIP REQUIRED.
Location: worldwide
Interviewers: unknown
Interview dates: October 14, 15, 1984
Number of schedules: 3 ea day
PRIORITY SIGNUP: October 30, 1984
REGULAR SIGNUP: October 31, 1984

NATIONAL SECURITY AGENCY, Ft. George Meade, MD
Will interview MAY 1985 grads ONLY with BS/MS/PhD in Electrical Engineering, BS/MS in Computer Science; MS/Applied Math. Electronic Engineer: design, develop, test and evaluate communications, recording or storage systems and devices. 2.5 GPA PREFERRED. Computer Scientist: perform systems design and systems programming, computer applications analysis, computer security research, and computer security systems design, applications and evaluation. 2.7 GPA AND ABOVE PREFERRED. Mathematician: research and solve complex problems in cryptography, cryptanalysis, computer science, etc. 2.5 GPA PREFERRED.
U.S. CITIZENSHIP IS REQUIRED
Location: Ft. Meade, MD
Interviewer: William Cottrell
Interview date: November 15, 1984

NATIONAL SECURITY AGENCY (continued)

Number of schedules: 1
PRIORITY SIGNUP: October 31, 1984
REGULAR SIGNUP: November 1, 1984

ILLINOIS DEPARTMENT OF TRANSPORTATION, Springfield, IL
Will interview DECEMBER 1984 grads with BS/Civil Engineering for structural, designer, hydraulic & construction engineers. PERMANENT VISA REQUIRED.
GPA REQUIREMENT: 2.5+
STUDENT IS REQUESTED TO BRING COMPLETED COPY OF COMPANY APPLICATION AND TRANSCRIPT TO INTERVIEW.
Location: throughout Illinois
Interviewer: unknown
Interview date: November 15, 1984
Number of schedules: 1
PRIORITY SIGNUP: October 31, 1984
REGULAR SIGNUP: November 1, 1984

U.S. MARINES, Columbia, MD
Will interview all majors, all grads with U.S. CITIZENSHIP OR BE ON PERMANENT VISA W/GREEN CARD AND HAVE APPLIED FOR U.S. CITIZENSHIP. While a 2.0 GPA is necessary, the average GPA is closer to 3.0 for acceptance into the program. Please check the Career Development Library (2nd floor, Buehler Building) for literature on programs.
Location: worldwide
Interviewer: unknown
Interview dates: November 15, 16, 1984
PRIORITY SIGNUP: October 31, 1984
REGULAR SIGNUP: November 1, 1984

(Interview date: November 8, 1984)
ATLANTIC RICHFIELD, Los Angeles, CA
Will interview DECEMBER 1984, MAY 1985 grads with BS in Chemical Engineering for assistant process engineer in Petroleum Products Group. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.
Location: Houston, TX
Interviewer: unknown
Interview date: November 8, 1984
Number of schedules: 1
8 interview openings for morning signups
3 interview openings for afternoon signups

PRIORITY SIGNUP: October 23, 1984
REGULAR SIGNUP: October 24, 1984

WIRE ROPE CORP., St. Joseph, MO
Will interview DECEMBER 1984 grads with BS in Mechanical Engineering for products engineer or plant engineer. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.
Location: St. Joseph, MO
Interviewer: unknown
Interview date: November 14, 1984
Number of schedules: 1
PRIORITY SIGNUP: October 30, 1984
REGULAR SIGNUP: October 31, 1984

FISHER CONTROLS (Interview date: Nov. 6) REQUESTS THAT ALL STUDENTS ON THEIR SCHEDULES OF NOV. 6 ATTEND A PRE-INTERVIEWING MEETING ON NOV. 5 at HOWARD JOHNS N/S (large conference room). Dress casual. Refreshments.
TIME: 6:30

MO-PETROLEUM PRO. CO., St. Louis, MO (Interview date: Nov. 6) REQUESTS THAT STUDENTS ON THEIR SCHEDULE ATTEND A PRE-INTERVIEWING MEETING ON Nov. 5, 1984 IN THE MISSOURI ROOM.
TIME: 7:00 p.m.

HALLMARK, INC. (Interview date: Oct. 19) Will hold a pre-interviewing on Thursday, Oct. 18, in Harris Hall (conference room), beginning at 7:00 p.m.

REMINDER TO STUDENTS USING CAREER DEVELOPMENT

PLEASE CHECK YOUR RESUME FILE
YOU MAY BE LOW OR OUT OF RESUMES!
THIS IS YOUR RESPONSIBILITY.

LAST MINUTE ADDITIONS ----

MO PNEUMATICS, Springfield, MO
Will interview DECEMBER 1984 grads with BS/Mechanical Engineering for assistant engineer to design valve, R&D engineer; basic function to provide engineering expertise and support in all engineering departments responsible and to assist engineering director. PERMANENT VISA REQUIRED.
Location: Springfield, MO
Interviewer: unknown
Interview date: October 29, 1984
Number of schedules: 1 (4 interview openings for morning; 6 interview openings for afternoon)

PRIORITY SIGNUP: October 15, 1984
REGULAR SIGNUP: October 16, 1984

CANCELLATIONS:
United Technologies-Electro Systems (Interview date: Nov. 6, 7, 1984)
Dow Chemical (Midland, MI) (Interview dates: Oct. 29, 30, 1984)

PRICE WATERHOUSE, St. Louis, MO
(Interview date: November 8, 1984)
Will interview DECEMBER 1984, MAY 1985 grads with MS in Computer Science, MS in Engineering Management (with undergraduate degree in Computer Science or prior data processing experience) for Management Consulting Services. U.S. CITIZENSHIP REQUIRED.
Location: St. Louis, MO
Interviewer: unknown
Interview date: November 8, 1984
Number of schedules: 1
PRIORITY SIGNUP: October 23, 1984
REGULAR SIGNUP: October 24, 1984

SUMMER EMPLOYMENT
Campus interviewing on November 9, 1984

Signups for the following companies will be held in the Buehler Building, 9th & Rolla Streets. PLEASE USE THE ROLLA STREET WEST DOOR. ALL SUMMER SIGNUPS WILL BE HELD AT THIS LOCATION.
Signups for morning interviews: 8:00-11:00 a.m.; signups for afternoon interviews: 1:00-3:00 p.m.



GET YOUR CAREER OFF THE GROUND.

Launch hour. Throttles are at full power as a supersonic roar sweeps across the flight deck. And you're the pilot.

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NAVY OFFICERS GET RESPONSIBILITY FAST.

Autocross coming

On Sunday, Oct. 28, 1984, the UMR Sports Car Club will sponsor an organizational challenge autocross.

Each car must undergo a simple technical inspection starting at 11:00 a.m. Don't let this scare you, it's not too intense. We check tire tread, and make sure the bearings have no excess play.

The first car will run at noon. A passenger is allowed, but not required. All drivers/passengers must sign a release form and wear a helmet.

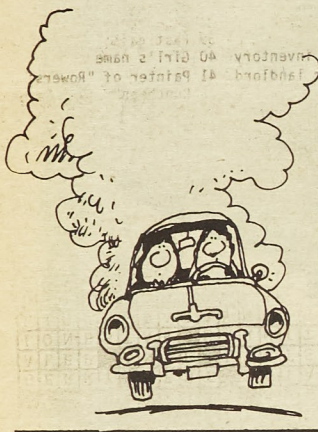
It is recommended to run tire pressures about 10 psi above normal, and to remove any loose articles from the trunk and inside the car.

An autocross consists of a course marked with pylons set up on a parking lot. Entries run the course one at a time against the clock. An entry runs the course as quickly as possible, trying not to disturb any pylons. A moved pylon adds one second to your elapsed time.

Each entry will be allowed 3 runs, and only the quickest run will be counted in judging.

There is no limit on the number of entries per organization. Dormitories will be counted by floors. A traveling plaque will be awarded to the quickest representative.

Also, this is a **FREE EVENT!**



Placement

from page 13

SONIO PETROLEUM COMPANY, San Francisco, CA

Will interview STUDENTS WHO HAVE FINISHED THEIR SOPHOMORE YEAR OR SOPH, JR. (OR SR., if going to grad school) in Petroleum, Chemical, or Mechanical Engineering for summer interns.

Location: San Francisco or Anchorage

Interviewer: unknown

Interview date: November 9, 1984

Number of schedules: 2

SIGNUP DATE: October 26, 1984

U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.

ATLANTIC RICHFIELD CO., Los Angeles, CA

Will interview JUNIORS IN CHEMICAL ENGINEERING for summer process engineer.

Location: Houston, TX

Interviewer: unknown

Interview date: November 8, 1984

Number of schedules: 1

3 interview openings for afternoon;

afternoon signups only

SIGNUP DATE: October 26, 1984

U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.

VISA REQUIRED



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Fall at its best

The peak of the fall color in Ozark Mountain Country is expected this year after the middle of the month. According to District Forester, Bill Todd, this fall should be a fairly colorful one.

In the fall the best coloration usually starts at the end of September, continues all during the month of October and spills over into early November, depending, usually, on the minimum nighttime temperatures.

Because of the Ozarks' central location among the contiguous 48 states, the forests are a unique blend of what are probably more varieties of trees than any other part of the continent. Missouri, for example, has 34 varieties of oak trees, more than any other state.

While the Pacific Northwest has its beautiful maples, New England is mostly hardwoods, and the Appalachians is a vista of yellow popular, the Ozarks has trees of both the northern and southern areas of the Central Hardwood Forests. Along with this is a small region in Southwest Missouri that is classed as southern forest, an area of alluvial bottoms and swamps, with trees such as tupelos, swamp oaks, cypress and swamp hickories.

The great variety of Ozarks forest trees explains the unusually colorful show put on by nature each year. The natives call it the "Flaming Fall Revue" and start early wagering just when the prettiest time will be. According to Mark Trimble of the Shepherd of the Hills, the most bountiful color will arrive a little late this year. He bases his prediction on the fact that the 100 year old maple in the yard of Old Matt's Cabin is just beginning to show color. "I've watched that one tree for forty years," said Trimble. "And I think we'll have pretty foliage in this area until the first part of November, that is, if we don't get a heavy frost first."

District Forester Todd stated, "If the early frost didn't knock us out, the height of the Fall color will be the week beginning October 15."

Co-op

FALL, 1984

PLEASE POST

Co-op Interview Schedule
 November, 1984

All interested students should come to the Co-op Office, 101 Suehler Building for further information.

TUESDAY, NOVEMBER 6, 1984

Anheuser Busch
 St. Louis, Missouri

Interviewing: Engr. Mgmt.
 Requirements: 3.0 GPA or above, finishing sophomore year or Juniors.

SIGN-UP DATE: TUESDAY, OCT. 23, 1984.

ONE SCHEDULE CONSISTS OF 12 INTERVIEW TIMES

WEDNESDAY, NOV. 7, 1984

BUICK MOTOR DIV - GMC
 Flint, Michigan

Interviewing: C.Sc., E.E., Eng.mgmt., M.E.
 Requirements: 3.0 GPA or above, American Citizenship required.

SIGN-UP DATE: WED., OCT. 24, 1984.

ONE SCHEDULE CONSISTS OF 13 INTERVIEW TIMES.

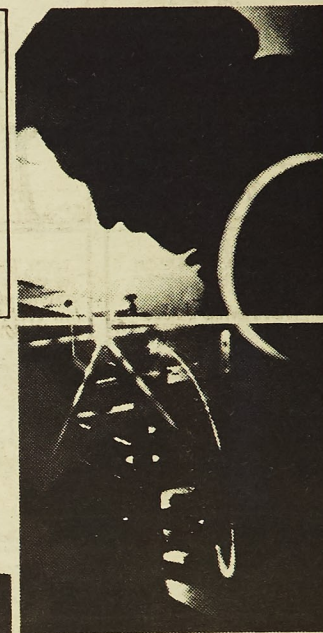
December, 1984 graduates only, with BS/MS in Electrical Engineering, Computer Engineering, Computer Science or Mechanical Engineering.

**Oct.
25**



**Information
and
Sign-Up Day**

**Student Center—
Mark Twain Room.
any time between
9 am and 4 pm**



Thursday, October 25th is

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Casual attire. But don't forget to bring 3 copies of your resume. U.S. citizenship or permanent residence required for interviews.

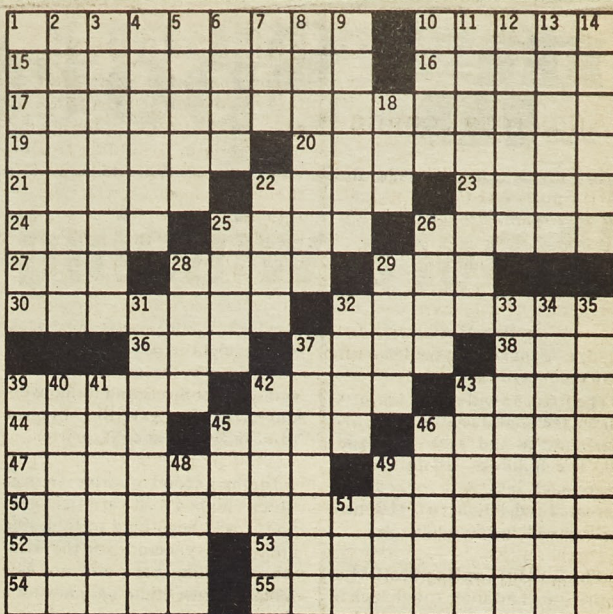
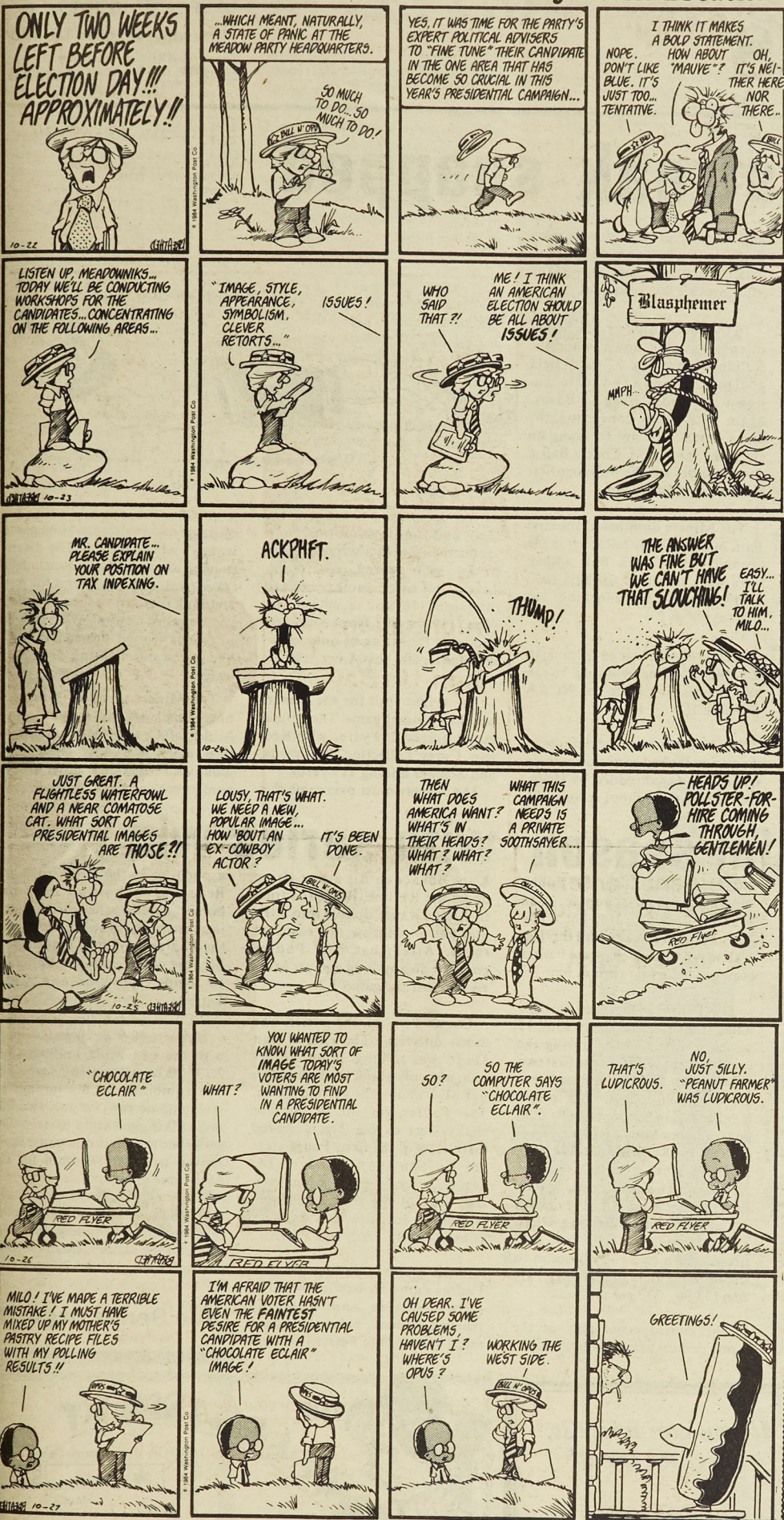
IBM will be back on campus to interview Spring 1985 graduates in the above disciplines on October 23rd, 1984.

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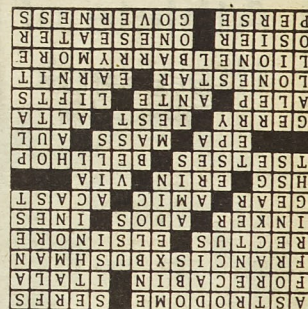
by Berke Breathed



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ACROSS

- 1 Houston ball park
10 Bondmen
15 Room on the anterior part of a ship
16 Early Latin version of the Scriptures
17 Star of 1926 Ben Hur (3 wds.)
19 — oculi (eye muscle)
20 Setting for "Hamlet"
21 Roller used in printing
22 Fusses
23 Chemical suffixes
24 Equipment
25 Of an amide
26 " — of thousands!"
27 Apt., dorm., etc.
28 The Emerald Isle
29 By way of
30 Disease-carrying flies
32 Hotel employee
36 Pollution control agency
37 The Bay State (abbr.)
38 Asiatic tent
39 Madison's VP
42 Adjectival suffix
43 Canadian province (abbr.)
44 Syrian city (var.)
45 Poker term
46 British elevators
47 Texas's nickname (2 wds.)
49 Way to obtain money (2 wds.)
50 Member of famous acting family (2 wds.)
52 Willow
53 Small airplane (hyph.)
54 In itself: Lat.
55 Nanny
- DOWN
- 1 Fill with fear
2 Pain
3 Railroad inventory
4 Tenant or landlord
5 Happen
6 Raised platform
7 No longer in use (abbr.)
8 Blended with (2 wds.)
9 In one lump (2 wds.)
10 Spanish equivalent of "oui, oui"
11 Of a particular race or culture
12 Woman's name or '20s song
13 Traffic warnings
14 Most mentally sound
18 Part of ship's name
22 French friends
25 Length times width
26 Is unwell
28 Catch sight of
29 Sleeveless garment
31 Hydrocarbons found in solvents
32 Foundation
33 Sheet music symbol (2 wds.)
34 Exhausts
35 Applies wall coating
37 Actor Art —
39 Fast gait
40 Girl's name
41 Painter of "Rowers' Luncheon"
42 Mired (3 wds.)
43 Military rank (abbr.)
45 Baseball city (abbr.)
46 Stratum
48 Dried up
49 Irish-Gaelic
51 Accelerate



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Sun-Thurs 11-11 Fri & Sat 11-1

Miners winning streak snapped

by Jim Harter

The Miners received a rude awakening as they traveled to Kirksville last weekend. As if the grim reaper met them face-to-face, UMR was stunned and fell to defeat 31-20. The Bulldogs, led by second-year coach Jack Ball, looked well-prepared and outplayed UMR mentally as well as physically.

The Bulldogs of Northeast Missouri State had some tough luck in their pre-conference schedule, losing to Nebraska-Omaha, South Dakota, Eastern Illinois, SMS, and Drake, all respectable teams.

The Bulldogs were due for a surprise as they had not tasted a victory since crushing Lincoln University, 42-6, last November in Kirksville. They dropped seven successive games, including the final two last season to UMR and SMS, and the first five of 1984.

Northeast found the endzone first on an 11-yard pass from Junior quarterback Chris Hegg to Junior split end John Busby for six points and a Doug Kolb conver-

sion kick. UMR then stormed back with an eight-yard run and a twenty-yard run by Keenan Curry along with George Stock and his conversion kicks. This gave the Miners a 14-7 lead after the first quarter.

In the second quarter George Stock chipped a 28-yard field goal and it was beginning to look like another easy victory for the Miners. Yet from that point on, The Miner offense could only muster a George Stock 39-yard field goal late in the third quarter.

Closing out the first half, the Bulldogs cut the Miner lead to 17-14. Hegg again went to the air and hit sophomore Larry Tisdale for a 39-yard touchdown strike with nine seconds left in the first half.

The Bulldogs had the momentum going into halftime, and came out into the second half all pumped up. In the first offensive series for the Bulldogs in the second half, Hegg again connected with Tisdale for a 58-yard touchdown pass with Kolb kicking the extra point. This gave Northeast the lead for good,

and the Miners could only play catch-up football, coming up short. The closest they came was 21-20, after Stock's last field goal.

In the fourth quarter, the Miner offense was shut down, while the Bulldogs added a 22-yard field goal by Kolb, and a 19-yard touchdown pass from Hegg to Busby, again with Kolb converting the extra point. This put the icing on the cake, and gave Coach Ball a sweet victory for the Bulldogs first win of the 1984 season.

The Miners dominated the first half, but seemingly fell apart in the second half. Coach Ball added, "We were scared in the first half; UMR was not just blocking, but destroying us."

As the game came to an end, so did the 10-game winning streak and the #6 ranking in the NCAA Division II.

The Number 1 ranked defense in the nation looked confused as their secondary was shredded by Hegg. He threw for a school record 385



THE MINERS UNDEFEATED SEASON SLIPPED THROUGH THEIR HANDS

yards and four touchdowns, for a productive 30 of 46 afternoon. John Busby, who scored two touchdowns, set single-game records in receptions (16) and reception yardage (159 yards). These stats terminated the string of nine scoreless quarters for the Miner defense.

The bright spot for the Miners was their running game. The ground attack gained 259 yards with Keenan Curry collecting 117 yards, and Schafer adding 111 yards.

The Miners must overcome this

obstacle and realize that one game is not a whole season. The disappointed George Stock concluded, "We have the pride to forget the past and look forward to the upcoming game against Central. We'll get our problems ironed out in practice, and come out fighting next Saturday."

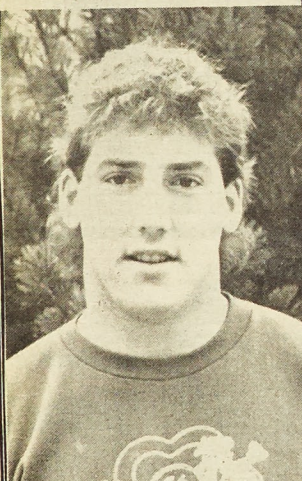
The Miners travel to Warrensburg this weekend to battle the Mules of Central Missouri State (last year's MIAA co-champions along with UMR) in another MIAA conference game.

Detroit ends successful season with series win

by Mark Buckner

Well another baseball season has just been completed. The St. Louis Cardinals had another dis-

M-Club Athlete of the Week



This week M-Club would like to honor the football team's Glenn Wilhelm as its athlete of the week. Glenn, an all-conference line-backer last season, made 8 tackles along with intercepting one pass and knocking down two others in the Miner's shutout of Southeast Missouri State. Glenn has played an important role from his line-backing spot on the Miner's defense, a defense that has lead the football squad to its national ranking. Congratulations, Glenn.

appointing season, even though they did finish in third place in the NL East. One of the surprise teams in baseball this year along with the Chicago Cubs and New York Mets were the Kansas City Royals. The Royals had a very good second half and won the AL West.

In the playoffs, the Royals were swept in three games by the Detroit Tigers while the San Diego Padres pulled off a miracle against the Cubs in the fifth game of their series. So, it was the Padres against the Tigers in the 1984 World Series.

In Game One, Jack "The Cat" Morris, who pitched a no-hitter during the regular season, was the Detroit starting pitcher while southpaw Mark Thurmond started for San Diego. The Tigers' Lou Whitaker (13 HR, 56 RBI, and a .289 average during the regular season) sent Thurmond's first

pitch of the game over CF Bobby Brown's head for a double. Alan Trammell (14-69, .314) got a single, scoring Whitaker, and the Tigers had a 1-0 lead before the Padres even got their first turn at bat.

The Padres came back in their half of the first. Morris (19 wins, 11 losses, and a 3.60 era during the regular season) retired the first two batters, then former Dodger Steve Garvey (8-86, .284) and former Yankee Graig Nettles (20-69, .228) got singles to bring up former Cardinal Terry Kennedy (14-57, .240). Kennedy drove in both Garvey and Nettles with a double, and the Padres had a 2-1 lead. The lead held up until the fifth inning when Larry Herndon (7-43, .280) connected for a two-run homerun to the opposite field after Lance Parrish (33-98, .237) got a double.

The controversial play of the game came when designated hitter

Kurt Bevacqua hit a line-drive down the RF line. Bevacqua tried to stretch a sure double into a triple, but was throw out easily at third. After that, the Padres couldn't do anything against Morris and lost the game 3-2.

Game Two of the series was much different. The city of San Diego was talking about Bevacqua, not only about the first game, but also about the second game. The Padres got off to another shaky start as the Tigers scored three runs in the first. Padra starter Ed Whitson (14-8, 3.24) couldn't even get past the first inning. Two of the three runs were scored on sacrifice flies by Kirk Gibson (27-91, .282) and Parrish.

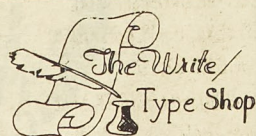
With Detroit leading 3-2, the Padres came to bat in the fifth. After Nettles and Kennedy reached on base, batter Bevacqua faced starter Dan Petry. Petry got

a pitch up in the strike zone and Bevacqua, who had only one homerun during the season, sent it into the left field seats, and it gave the Padres a 5-3 lead that held up because of the great relief pitching by Andy Hawkins and Craig Lefferts.

Hawkins (8-9, 4.68) was credited with the win while Lefferts (3-4, 2.13, 10 saves) got the save. The two combined for 8.1 innings by giving up no runs on only two hits and striking out eight batters. The series, now tied at one game each, moved to Tiger Stadium for the next three games.

The whole town of Farmington was probably watching the third game of the series instead of "Dallas" or "Falcon Crest." Tim Lollar

See Series page 18



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Tae Kwon Do Club sweeps tournament

The UMR Tae kwon do Club fought with mastery last Saturday and victory was their's.

The club sent eight accomplished members to Kansas City to participate in a national tournament sponsored by Choon Lee's Academy of Kansas City. This prestigious tournament brought over 300 competitors from all over the Midwest to test the skill of the UMR club. But the club proved more than worthy of the competition, and brought home seven trophies.

Junior John Adams amazed fans and foes alike as he took first place in one step sparring, which is a non-contact event in which one competitor punches at the other, who must then demonstrate countering techniques. John also performed with precise dexterity to take a third place victory in the white belt forms competition.

For the second tournament in a row, Tim Ververloh overwhelmed

all competitors and received first place in the orange/yellow belt forms competition.

Matt Jakes also demonstrated his prowess in the orange/yellow belt free sparring competition, and consequently took second place. Another strong competitor, Don Rhea, finished second in the green belt sparring, while freshman Kevin Porter skillfully placed third in green belt division of forms.

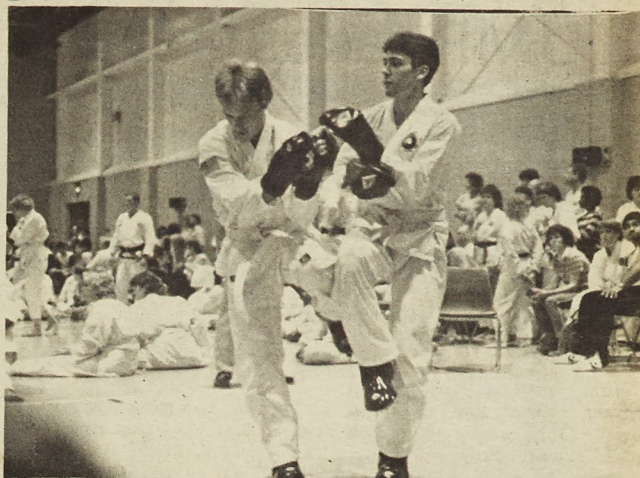
UMR Taekwondo instructor, Steve Shinn, received the black belt lightweight championship trophy after unsuccessfully defending his Grand Championship against 3 time defending National Champion Oren Gautreaux.

Other UMR students competing in the tournament were Frank Spice

and Doug Gavin.

Several UMR students, some of whom were club members, travelled to the tournament and supported the UMR team. Doug Gavin summed it up by saying, "the support we received from our friends was great. They came from KC, Rolla, and even some from St. Louis, to see the tournament."

The much-improved club is looking forward to the next tournament with growing anticipation. However, besides these competitions, the club also gives exhibitions to various organizations in order to promote the art and sport of Taekwondo. If any organization would like a demonstration for its meeting or event, they may contact Rich Phillips (364-9947) on Steve Shinn (364-9823).



Matt Tackes, competitor in the yellow belt division, jammed up with his opponent.

Board leads Miners in Meet

by Anne Werner

Last Saturday the UMR Women's Cross Country Team traveled to St. Louis Missouri for the Washington University Cross Country Meet. The 5 km course was located in Forest Park. Due to the large amount of rain the course was soggy and muddy, causing the runners to slow their pace.

UMR ran well despite the weather, taking eighth place in a field of eighteen teams. Other teams which attended the meet included Washington U, Lincoln University, Principia, Rhodes College, Augustana and Arkansas College. The Augustana women's team placed first followed by Arkansas College with second place.

UMR runner Julie Board placed third with a time of 20:00. Amy Volmert came in at eleventh place with a 20:49. Amy Noel place 59th for the Miners with a 23:28. Samantha Moss followed in 66th place with a time of 23:55 and Anne Werner placed 77th with a 26:05. Leslie Behm placed 88th running for the Miners with a time of 27:58. The Miners next meet will be the MIAA conference meet at Northeast.

She will become
their most deadly weapon.

As long as they can make
her fall in love.

DIANE KEATON



THE LITTLE DRUMMER GIRL

A GEORGE ROY HILL FILM
DIANE KEATON
in JOHN LE CARRÉ'S
"THE LITTLE DRUMMER GIRL"
YORGO VOYAGIS KLAUS KINSKI
Music by DAVE GRUSIN
Executive Producer PATRICK KELLEY
Screenplay by LORING MANDEL
Based on the novel by JOHN LE CARRÉ
Produced by ROBERT L. CRAWFORD
Directed by GEORGE ROY HILL

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Cross Country

UMR takes third

by Dan Lichtenwalner

Last Saturday the Miner Cross Country team made another good showing, placing third in the Washington University Invitational.

Out of the 19 teams running, the top five teams were: Augustana College (29 points), Mo. Baptist (58), UMR (83), Rose Hulman (106), and Arkansas College (129).

John Borthwick was the top Miner finisher, placing eighth overall. John was in about 20th place midway through the race, then steadily moved up the last two miles.

Meanwhile, Keith Smith was running among the top five in the race, and then was plagued by severe stomach cramps. Keith still managed to hold on to tenth overall, passing five runners in the last half-mile.

Bruce Berwick was the next Miner, running a strong pace, and

finishing in 17th position. Following Bruce was Jeff Balmer in 20th. Dan Ray rounded out the Miners top five, placing 26th overall. Dan moved up considerably from last week, and really put together a good race.

The rest of the Miner places follow: Dan Lichtenwalner, 29th; Mike Held, 49th, Mike Deamer, 54th; Curt Macke, 67th; Jim Clossick, 70th, and Dave Vonarx, 90th.

The team now has two weeks to prepare for the conference meet on Oct. 27, at Kirksville. The team should make a better showing this year than it has in the past. The Miners have beaten CMSU in two out of three meetings, and have beaten Lincoln four out of four times. SEMO, ranked first in the nation, and NWMSU, ranked 17th, have both beaten the Miners. UMR won't know how tough NEMO is until they race at conference, but the Miners are definitely going to make it a tough race.

Series

from page 16

(11-13, 3.91) who grew up in Farmington, was the starting pitcher for the Padres in Game Three. Lollar, however, had a terrible game.

The Tigers jumped all over Lollar in the second inning. With one out, Chet Lemon (20-76, .287) singled, went to second on a wild pitch, then went to third on a long fly ball by Darrell Evans (16-63, .232). The next batter was unknown Marty Castillo. Castillo (4-17, .234) became the most popular guy in Detroit after hitting a gigantic two-run homer in the upperdeck. After Whitaker reached on base, Trammell sent Whitaker home with an RBI double to give Detroit a 3-0 lead.

The Tigers wound up scoring four runs in the inning and chased Lollar out of the game. Detroit went on to win the game 5-2, and took a 2-1 lead in the series. Detroit starter Milt Wilcox (17-8, 4.00) went six innings to get the win with Willie Hernandez (9-3, 1.92, 32 saves) getting the save.

In the first three games of the series, the Tigers were the team that scored first. Guess who scored first in Game Four? You got it, Sparky's gang. In the first inning with Whitaker on base, Trammell hit a two-run homer off Eric Show, and Detroit led, 2-0. Kennedy hit a solo-blast in the second to cut the lead in half, but in the Tiger third, it was that man Trammell again. With Whitaker on second, Trammell hit another two-run homer off Show (15-9, 3.40).

Detroit coasted to a fairly easy victory over San Diego, 4-2. Morris, who pitched a complete game for the Tigers in Game One, did the same in Game Four. The Tigers now had a commanding lead in the series, needing only one more win to wrap-up the series.

The Padres were in a must-win situation, or else the Tigers would wrap-up the series at home. After the first inning, the Padres should have packed their bags and went home. Gibson hit a two run homer off Thurmond (14-8, 2.97) to give Detroit a quick 2-0 lead. At the end of one inning, Tigers led 3-0. The Padres got a run in the third and tied the game in the fourth on Brown's sac-fly and Alan Wiggins' RBI single.

In the fifth, the Tigers regained the lead on the sac-fly by Fusty Kuntz (2-22, .286). Detroit got another run in the seventh inning off Goose Gossage (10-6, 2.90, 25 saves). Parrish hit a solo homerun, and it seemed like the party was about to begin in Motown. In the next inning, Bevacqua hit a towering homerun in the upper deck off Hernandez to cut the score to 5-4. Then Luis Salazar pinch run for Martinez after he got a single. Salazar, carrying the tying run, was picked-off, and that was to be the end of the season for the Padres.

With two runners on, Gibson put the icing on the cake for the Tigers with a tremendous home run in the upper deck. Brown flied out of Gwynn to end the game and the series. Tigers win, 8-4 and the series, 4-1. Trammell was the MVP of the series. It took sixteen years, but the Detroit Tigers have finally won another World Series.

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Finals to be held tonight

by Ty Van Buren

TV 7 will be taping the Flag Football Championship games held tonight. Men's Division 2 will be at 6:30, Women's Division 1 will be at 8:00, and Men's Division 1 will be at 9:30. The games will be aired on Sunday Oct. 21st at 5:00 p.m. and Thursday Oct. 25th at 6:30 p.m.

Cross Country starts tomorrow at 4:30 p.m. Volleyball begins Tuesday the 22nd and officials are needed. Anybody interested in officiating volleyball or soccer, please sign up at the multi-purpose building.

Congratulations to Andre Spears from Kappa Alpha Psi for being Athlete of the Week. Andre is Kappa Alpha Psi's quarterback who threw ten touchdowns and ran in another 10. Team of the week went to Campus Club for their outstanding participation and placing in swimming.

Kuralt

from page 3

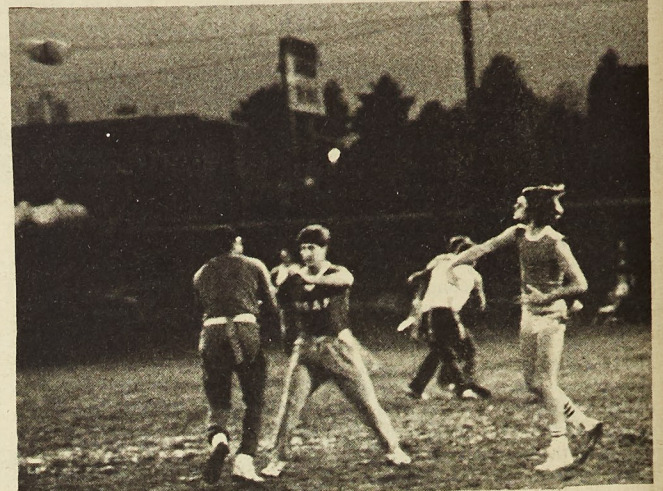
"Crossroads" with Bill Moyers and anchors "CBS News Sunday Morning" and "Dateline America" on the CBS Radio Network.

Kuralt joined CBS News as a writer in 1957 and was promoted to the news assignment desk in 1958. In 1960, he became the first host of the CBS News series, "Eyewitness." A year later, he was named CBS News' chief Latin American correspondent. In 1963, Kuralt was appointed CBS News' chief West Coast correspondent and held that post until 1964 when he transferred to CBS News headquarters in New York City.

He has written two books, "To the Top of the World," which is about the Plasted Polar Expedition's 1967 attempt to reach the North Pole, and "Dateline America," a compilation of his essays that were heard on the CBS Radio Network program of the same name.

Kuralt is a graduate of the University of North Carolina and resides in New York City.

The series, established by UMR alumnus Walter E. Remmers and his wife, previously has brought former President Gerald Ford, pianist Leonard Pennario, former Secretary of State Henry Kissinger, business journalist Louis Rukeyser, violinist Shlomo Mintz and author and business consultant Thomas J. Peters to the campus.



USAF and Vets compete in one of the last games of intramural flag football.

Notes: Next intramural managers meeting will be October 24, at which time entries are due for billiards. Soccer starts the 29th of October; get psyched!

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Miners defeat Lindenwood in rain

by Tracy Boland

Mother Nature gave Rolla a respite from the rain this weekend for two hours on Sunday, just long enough for the Lady Miners to take on and defeat Lindenwood College, 2-0.

With the soccer field little more than a quagmire, the women stepped out on to the field in pristine white uniforms, only to return 90 minutes later, caked in mud, but smiling and victorious.

Freshman Julie Anyan, long in her quest for a goal this season, finally succeeded in her quest against the Lions. Midway into the first half, she found herself right in front of the Lindenwood goal, on the receiving end of a pass from

Angie McEntire. One well-tapped ball past the Lion's goalie later, she was in the midst of ten other congratulatory Miners.

At half-time, the switch between UMR goalies Lisa Frumhoff and Mary Beth Morris was made, and the women set out for another goal.

They got it five minutes into the half. In a free-for-all scramble in front of the Lindenwood goal, UMR finally kept possession long enough for Jan Wilkerson to fire a shot into the net. Credit for the assist goes to Angie McEntire.

The women go up against the likes of UMSL and SIU-Edwardsville this week, so look for exciting news in this spot in the next issue of the Miner.



Miner goalie Lisa Frumhoff attempts to deflect the ball in a recent game against UMSL.

ATLANTIC RICHFIELD FOUNDATION MAKES GIFT TO UMR

ROLLA, Mo. —The Atlantic Richfield Foundation has awarded a grant of \$10,000 to the chemical engineering department at the University of Missouri-Rolla.

According to Dr. James W. Johnson, chairman of the UMR chemical engineering department, the grant will be used to upgrade equipment in the department's process control laboratory.

"Many control strategies currently in use in industry use digital equipment," he said. "This grant will make it possible for us to equip our laboratories to provide hands-on experience for our students in this important area."

"We are very grateful to the Atlantic Richfield Foundation for helping us to upgrade our process control laboratory," he added. "Also, I would like to thank ARCO vice president Kenneth Riley for all of his assistance."

Riley received a B.S. in chemical engineering and the professional degree of chemical engineer from UMR in 1956 and 1973, respectively.

ISC Soccer League begins competition

The International Students Club Soccer League got underway last Friday. Participating teams are:

GROUP A

1. Greece
2. USA Team I
3. USA Team II
4. USA Team IV
5. FELA (Latin America)

GROUP B

1. OAS (Arab students)
2. MSA (Muslim students)
3. USA Team III
4. Ireland

Elimination play continues next week, at UMR fields as follows:

Fri., Oct. 19, 5:15 p.m.
Greece vs. USA Team I

Sat., Oct. 20, 1:00 p.m.
USA Team II vs. FELA

Sat., Oct. 20, 3:00 p.m.
OAS vs. USA Team III

Sun., Oct. 21, 1:00 p.m.
Greece vs. USA Team IV

Sun., Oct. 21, 3:00 p.m.
MSA vs. Ireland

The game officials are:
REFEREES: D.T. Numbere
Davar
Milan Straka
Jeff Joseph
LINESMEN: Mesut Muslu
Bassam Barhomi

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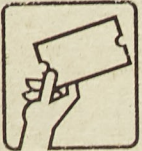
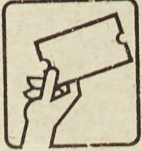
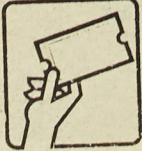


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