



09 Oct 1985

The Missouri Miner, October 09, 1985

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Wednesday, Oct. 9, 1985

University of Missouri-Rolla

Volume 74, Number 8

Sixteen Pages

Amoco gives grants to UMR

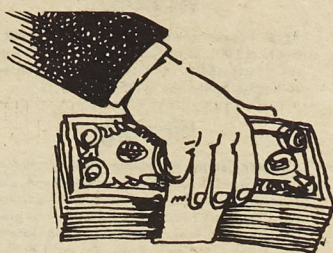
by Tom Duggan

According to the Amoco Foundation, Inc., its grants to the University of Missouri-Rolla for 1985 will total \$152,000. This represents an increase of \$43,500 over last year.

The foundation, which is financially supported by the Amoco Corporation, states that this year's grants consist of: \$3,000 for the chemical engineering

department, \$3,000 for the mechanical engineering department, and \$5,000 for the petroleum engineering department.

In addition, there will be \$20,000 faculty grants in each of the following departments: computer science, petroleum geological engineering and electrical engineering power. Furthermore, \$60,000 will be donated for engineering



and geoscience equipment.

Other grants include \$5,500 for a master's fellowship in mechanical engineering, \$4,000 for minority engineering and science programs, and \$3,000 for scholarships in each of the following departments: chemical engineering, civil engineering, mechanical engineering, and petroleum engineering.

Packaging Assistance

by Christal Roderique

According to Donald Higginbotham, UMR lecturer in engineering management, the UMR Center for Applied Engineering and the department of engineering management are providing a program of packaging assistance to Missouri businesses and industries at no cost.

Higginbotham explained that the program is intended for those businesses and industries that may require assistance in package design for marketing or distribution of their products.

The packaging design requests are assigned to students as semester-long projects in their engineering management courses. "This program serves the dual purpose of helping businesses and industries solve packaging problems while providing practical, hands-on experience for UMR students," said Higginbotham.

Under Higginbotham's supervision, students learn to create and design models. Projects already completed or in progress include packaging designs for marketing and distribution of specialty items from a St. Louis restaurant and a product developed by a Missouri inventor.

International Fellowships

by Christal Roderique

Applications are available through campus foreign-studies advisers for graduate-level ITT International Fellowships for studies abroad.

To be considered for the 1986-87 ITT grants, graduating seniors must complete and submit the applications through the campus Fulbright program adviser so that they reach New York by Oct. 31, 1985. Screening and selection of winners is done by the New York-based Institute of International Education. The winner will be announced in January.

Currently, ITT grants are available for graduate studies, in Argentina, Australia, Austria, Belgium, Brazil, Chile, Denmark, Egypt, Finland, France, Germany, Greece, Ireland, Israel, Italy, Kenya, Mexico, the Netherlands, Norway, the People's Republic of China, Portugal, Spain, Sweden,

see Fellowships page 6

Enrollment statistics for fall semester 1985 at UMR

	FR	FR	SO	SO	JR	JR	SR	SR	TOTAL	PB	PB	MS	MS	PHD	PHD	TOT	TOT	TOTAL	YEAR
	W	M	W	M	W	M	W	M	U.G.	W	M	W	M	W	M	WOMEN	MEN		AGO
CHEM	2	4	6	3	3	10	4	15	47	0	0	6	16	9	26	30	74	104	93
CP SC	30	75	19	69	35	85	62	142	518	0	0	14	61	1	14	161	447	608	753
ECEN	6	7	5	5	14	13	8	17	75	0	0	0	0	0	0	23	10	33	27
ENGL	3	3	6	1	6	1	8	5	33	0	0	0	0	0	0	33	42	75	79
A&SC U	33	21	18	7	4	1	5	2	91	0	0	0	0	0	0	60	31	91	119
HIST	2	2	3	7	2	4	6	6	32	0	0	0	0	0	0	13	19	32	35
L SC	5	6	6	2	5	3	7	3	37	0	0	0	0	0	0	23	14	37	42
MATH	5	3	2	4	5	1	9	5	34	0	0	7	15	3	5	31	33	64	62
PHIL	1	0	0	0	0	0	0	1	2	0	0	0	0	0	0	1	1	2	2
PHYS	1	16	2	6	0	5	3	10	43	0	0	4	7	1	23	11	67	78	79
PSYCH	9	1	6	2	4	1	3	7	33	0	0	0	0	0	0	22	11	33	42
A&SC	97	133	73	106	78	124	115	213	945	0	0	31	95	14	68	408	749	1157	1344
AERO E	24	101	7	64	10	65	5	75	351	0	0	0	5	0	0	46	310	356	327
CHEM E	26	36	22	33	14	62	45	130	368	0	0	5	21	1	18	113	300	413	491
CIV E	12	34	14	53	9	74	21	136	353	0	1	5	23	2	22	63	343	406	489
ELEC E	41	240	30	188	28	209	41	332	1109	0	0	1	59	1	16	142	1044	1186	1191
ENGR U	14	39	6	31	2	13	0	5	110	0	0	0	0	0	0	22	88	110	213
E MGT	21	29	20	23	32	46	45	159	375	0	0	5	26	2	9	125	292	417	450
E MECH	0	7	2	3	1	6	5	16	40	0	0	2	9	0	11	10	52	62	65
ENVR E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MECH E	20	100	17	135	25	183	44	330	855	0	0	3	38	0	14	109	801	910	958
ENGR	158	586	118	531	121	658	206	1183	3561	0	1	21	181	6	90	630	3230	3860	4184
CER E	3	14	4	21	5	8	5	11	71	0	0	2	18	2	11	21	83	104	79
GEOL E	1	5	2	7	7	20	17	66	125	0	0	2	20	2	6	31	124	155	206
GEOSP	2	6	0	3	3	5	5	13	37	0	0	8	15	1	1	19	43	62	78
MET E	7	9	5	10	7	14	11	35	98	0	0	2	8	0	15	32	91	123	143
MIN E	0	1	0	5	0	8	1	33	48	0	0	0	6	0	6	1	59	60	87
MUCL E	3	10	1	8	1	14	1	15	53	0	0	0	4	1	1	7	52	59	67
PETR E	5	17	0	8	5	16	16	65	132	0	0	0	9	0	2	26	117	143	197
M&M	21	62	12	62	28	85	56	238	564	0	0	14	80	6	42	137	569	705	857
UNDECL	0	0	0	0	0	0	12	10	22	4	18	0	0	0	0	16	29	44	78
ROLLA CAMPUS	276	787	203	699	227	867	389	1644	5092	4	19	66	350	26	200	1191	4576	5767	6423

Leadership forum to be held

submitted by Blue Key

The Blue Key National Honor Fraternity is again sponsoring its Fall Leadership Forum. The purpose of this forum is to instruct and inform future campus leaders of the techniques necessary for leadership. This semester's forum will be held on Wednesday, Oct. 23, at the University Center-East Centennial Hall from 3:45 p.m.-8:30 p.m. It is open to all freshmen and sophomores. A more advanced seminar for juniors and seniors will be conducted on Thursday, Nov. 21.

Topics to be covered during the seminar include time management, as-

sertiveness, communication and parliamentary procedure. Participation and discussion of these topics will be encouraged and we are sure that you will benefit from involvement in this program.

The cost of this forum will be \$7 per person and will include dinner and all materials.

To register, return your name, address, phone number and fee to Blue Key Leadership Forum, Room 202, Rolla Building. Space is limited so register as soon as possible. Deadline for registration is Oct. 17.

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calendar of events

Wednesday

Women at Work Series. "Jaycees: A Three-Sided Triangle." Cindy Beger, president, Rolla Jaycees, noon, Missouri Room, University Center—East, \$4.50 for series. Call 341-4209 to register.

Wesley Foundation

Each Wednesday night at 6 p.m. we hold a general meeting that's open to all. There's singing, fellowship, and friendship. This Wednesday Oct. 9 George Mummert, Campus Minister for the Presbyterian Church at UMC, will be the speaker and the title of his speech is "Peace and Justice." Wesley also has bible studies, Sunday morning service, retreats, and much more. Our main activity coming up is the Hounted House, we will be putting on with the Newman Center. Stop by and see us — we're located just east of the post office.

There will be a gathering of different christian groups on campus. "The group without a name", for the purpose of fellowship, encouragements, and lifting Christ up. The gathering will be at the Newman Center (upstairs) at 4:30 p.m., October 9, 1984. All Christians are welcome.

American Institute of Chemical Engineers will hold a meeting at 7 p.m. in room G3 ChE. Guest speaker will be Bruce Murray from Chevron.

Thursday

The American Society for Engineering Management (ASEM) will have a meeting this Thursday, October 10 at 6:30 p.m. in G3 of the Chem. Eng. Building.

FREE!! at 7 p.m. in Mark Twain, UCE a film concerning "Misconception of Christianity" by Josh McDowell. Come on down and find out the Truth!

The UMR College Republicans will meet Thursday, Oct. 10 in the Missouri Room (University Center—East) at 7 p.m.

Friday

Intercollegiate Knights

There will be a membership Smoker on Friday Oct. 11 from 3:00—5:00 at the Pike House. Anyone interested please attend.

Saturday

Tau Beta Pi candidates will have their work day Sat., Oct 12 from 8 a.m. to 5 p.m. in the EE lobby. A plaque signing for Tau Beta Pi candidates will be held Tues., Oct 15 at 7:30 p.m. at Tech Engine Club. Actives and candidates are urged to attend.

Parents' Day. Registration 9—11 a.m. Miner Lounge.
UMR Jazz Band, 9 a.m.—10 a.m., Miner Lounge, University Center—East. Free.

Ninth Annual Gallery Art Exhibit, 10 a.m.—5 p.m., Room 202—203, UMR Library. Free.

Football, Northeast Missouri State, 1:30 p.m., UMR Stadium. Admission charged.

Sunday

Agape Fellowship will hold a service on Sunday, Oct 13 at 3:00 p.m. in the Missouri Room, University Center—East. The Voices of Inspiration will be singing. Sponsored by BSU.

Monday

Christian Campus Fellowship will be having their weekly Monday Night Fellowship, 7:00 p.m., Oct. 14 at the Missouri Room — University Center—East. There will be singing, bible study, and prayers. Speaker for the evening is Mr. Bob Humphrey, campus minister. Sponsored by Christian Campus House.

Omega Chi Epsilon will hold a meeting at 4:30 p.m. in the ChE building. The speaker will talk about summer internship. Bring dues. Actives will be voting on amendments to the constitution.

All Interested Students!!!
The Co—operative Education Association will have a speaker from IBM on Oct. 14th at 7:30 p.m. in ChemE; G—3.
IBM will be interviewing for permanent and co—op positions the following day.
All interested students are invited to attend.

Next Wednesday

The Voices of Inspiration Choir will perform at the First United Methodist Church on Wed., Oct. 16 from 6:30 to 7 p.m. as part of the meeting. All are invited.

Noday

Attention Computer Science Majors:
UPSILON PI EPSILON, the Computer Science Honor Society is now accepting new members. The requirements are:
— Junior Standings (at least 64 hours)
— At least a 3.0 GPA
— Completing of at least 18 CSc credit hours
— Enrollment at UMR for the past 2 semesters
If you meet these requirements and wish to become a member of UPE, please pick up an application from 325 Math/Computer Science. The completed application must be returned to that office by Oct. 23, 1985. If you have any questions contact Mark at 364—8988.

Michael Cave, pianist—composer and Delcina Stevenson, soprano will perform at 8 p.m.—Monday, Nov. 25, Cedar Street Center, 7th and Cedar Streets. Tickets are \$6 for adults, and \$5 for students/retirees.

The Arkansas Rep will perform "2 by 5: A Musical Cabaret" on Thurs., Oct. 24 at 8 p.m., Cedar Street Center, 7th and Cedar Streets. Admission: Adults \$6, Students/Retirees \$5.

HAVE YOU EXCELLED IN ACADEMICS, participated in extracurricular activities, or contributed to the service of the community? If so, you may be eligible for nomination into WHO'S WHO AMONG STUDENTS IN AMERICAN UNIVERSITIES AND COLLEGES, the annual honors program honoring leading college students.
Pick up an application at the student activities office, 203 Rolla Building TODAY! Deadline for return of completed application is: OCTOBER 28th.

PREREGISTRATION OCT. 21—25

Preregistration for the Winter of 1986 will be Oct. 21 through Oct. 25. Students should obtain their preregistration materials and schedule of classes from the Registrar's Office starting Oct. 17th. Detailed information regarding preregistration will be found in the front section of the Winter Schedule of classes. Students should contact their department the week of Oct. 14th for an advising appointment.

Sig Chi receives top honors

by Christal Roderique

At its Leadership Training Workshop held at Bowling Green State University, Ohio, in August, the UMR chapter of Sigma Chi received two of the fraternity's top honors: the Peterson Significant Chapter Award and the Legion of Honor Scholarship Award.

The Peterson Award is the highest honor an undergraduate chapter can achieve. It recognizes outstanding per-

formance in all major fields of operations, programs and activities.

The Legion of Honor Award is awarded to those chapters having commendable scholarship programs.

The college or university where each Peterson Significant Chapter is located receives a donation for its counseling and tutoring program from the Sigma Chi Foundation, which sponsors the awards.

Missouri Miner

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

Submissions for Publication must be in our drop box (first floor of the Rolla Bldg.) by 12:30 p.m. on the Friday before publication or may be brought to the staff meetings at 1:30-2:30 p.m. on the same Friday.

Advertising information may be had by contacting the Advertising Director as listed below:

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The Missouri Miner

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University of Missouri-Rolla • Rolla, Missouri 65401

Corrections

In the September 18 issue of the **Missouri Miner** there seemed to be a discrepancy on the limitation of parties to one per night between the news stories and the Letter to the Editor, written by Leonard Martin, city administrator. When questioned about the discrepancy, Martin said he meant that only all-campus parties requiring the closing of a street were limited to one per night.

In the October 2 issue of the **Missouri Miner**, the article on the investment policy task force erringly stated that Greg Barnes was president of the UMR Student Council. Scott Lucas is president of UMR's Student Council. Greg Barnes is actively involved in this issue at UMSL.

Frank Bryant is a professor of literature.

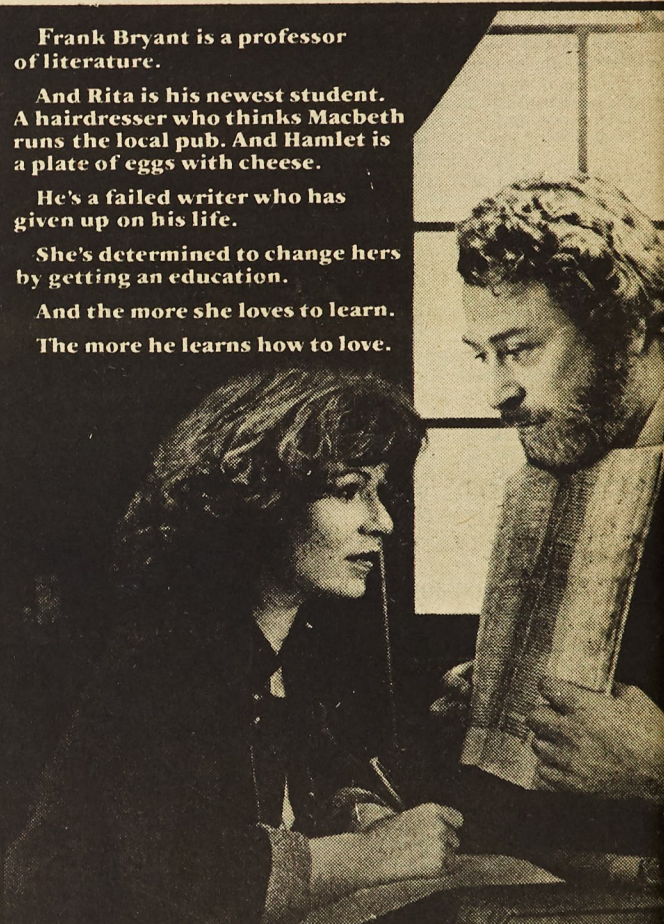
And Rita is his newest student. A hairdresser who thinks Macbeth runs the local pub. And Hamlet is a plate of eggs with cheese.

He's a failed writer who has given up on his life.

She's determined to change hers by getting an education.

And the more she loves to learn.

The more he learns how to love.



Educating Rita

Sometimes students end up being the best teachers.

COLLUMBIA PICTURES Presents
AN ACORN PICTURES Production A LEWIS GILBERT Film
MICHAEL CAINE • JULIE WALTERS

"EDUCATING RITA"
Music by DAVID HENTSCHEL Music Produced by JOHN GILBERT
Co-Produced by WILLIAM P. CARLIDGE Screenplay by WILLY RUSSELL
Produced and Directed by LEWIS GILBERT

UMR Fall Film Series

**Thursday 7:30 p.m.
Miles Auditorium**

COMMONWEALTH THEATRES

Forum evenings 7 & 9:10
matinee Sat. & Sun. 2 p.m.

Arnold Schwarzenegger
COMMANDO R

starts Friday
The Story of Patsy Cline
Sweet Dreams PG-13

Uptown evenings 7 & 9:05
matinee Sat. & Sun. 2 p.m.

Glenn Close — Jeff Bridges
Jagged Edge R

Ritz evenings 7 & 9
matinee Sunday 2 p.m.

EVERY MONTH, WHENEVER THE MOON WAS FULL... IT CAME BACK.

SILVER BULLET R

Adult Owl Show Fri. & Sat. 11:15 p.m.
Let's Get Physical X

Another Spending Outrage from the House of Representatives:

Congress takes taxpayers for a ride

by Cordell Smith

Amazing, isn't it? Despite all the rhetoric our Congressmen hurl at the budget deficit, the deficit keeps getting bigger. Yet, if you were to discuss the problem with your Representative, he would be happy to assure you that he is a paragon of fiscal restraint. The problem, he would claim, is with those "other" Congressmen—they're the big spenders; it's all their fault, not his.

Don't you wish there was some kind of litmus test you could use to check his claim?

Well, cheer up, folks. Here it is. The amount of money involved in the following issue is relatively small—a mere \$106,200—but it nevertheless makes a perfect illustration of the budgetary mess, as we shall see.

Waste, Waste, Waste

Each of our 435 Congressmen has his office in one of three buildings: the Cannon House Office Building, the Longworth House Office Building, or the Rayburn House Office Building. In each of these buildings are elevators—elevators just like any other, designed to lift or lower riders from floor to floor. Divided among the elevators are 14 elevator operators, each of whom receives an annual salary of \$13,000. When other similar buildings are included in the figures, the number of operators is 45, with a total price tag of \$533,900.

Now, here's the kicker. The elevators in those buildings are **automatic**, controlled by push-buttons, of the kind you have probably used hundreds of times.

Yes. That's right. You pay \$533,900 to save our Congressmen the trouble of pushing buttons on automatic elevators. No doubt this saves our Representatives precious energy so they can push other things, such as paper.

The Litmus Test

Apparently, however, \$533,900 is not enough money to throw away. This summer, the House considered a bill (HR 2942—Legislative Branch Appropriations) which actually contained an **increase** in funding for elevator operators. The new sum to be spent was \$640,100—a budget-busting 20 percent increase over last year. Why?

VOTED TO THROW AWAY \$106,200

William Clay
Robert Young
Richard Gephardt
Ike Skelton
Alan Wheat
Bill Emerson

VOTED FOR THE BROWN AMENDMENT

Tom Coleman
Gene Taylor
Harold Volkmer

source: Congressional Record, July 18, 1985 p. H5931, Roll Call Vote No. 243

Well, it was decided to hire four or five more operators. Wonderful, isn't it?

This outrage motivated Congressman Hank Brown (R-Colorado) to introduce an amendment striking out the 20 percent increase. The Brown proposal would not have fired any of the currently-employed operators; it would have just kept out the additional four or five. Mr. Brown

stated he hoped "The amendment would have the unanimous support" of his colleagues.

But radical Representative Mary Oaker (D-Ohio) was horrified. She accused Mr. Brown of proposing "a cut for mostly minority women and handicapped people and some of the seniors." You see, some of the operators are part of various special-interest groups. Said Mizz Oaker, "I think it is a kind of cruel amendment, to be honest, and I hope we solidly reject it..." Representative person Oaker, you understand, believes in kindness—kindness for everyone. Except the taxpayer.

Conservative Congressman Pat Swindall (R-Georgia) put the whole issue in perspective:

Mr. Chairman, there is no greater illustration of why we have a deficit and why the American people have lost total confidence in this Congress to address the deficit than to examine the nonsensical issue before this (Congress) today.

He describes how the public reacted when he made such wasteful spending a campaign issue last year:

... what was ... intriguing to me, as I used that illustration, talking to thousands of people in my district in Georgia, was that most did not believe me. They did not believe that Congress could have possibly voted to waste money this way in times of huge deficit...

Truthfully, the American people ought to be disgusted by such obvious abuse by Members of Congress who should be setting an example by "tightening our own belts" till the deficit is eliminated.

Incredibly, however, when the Brown proposal came to a vote, it was **defeated**, 191 to 221. This shows once again just how serious Congress really is about controlling the deficit.

How Missouri's Representatives voted is detailed in the accompanying table.

The Force is not with Star Wars

by Don Billen

In recent months President Reagan's proposed Star Wars program has received a great deal of attention. Several magazines have devoted pages of colorful diagrams depicting how such a system would work. Grand promises of eliminating the threat of nuclear terror are being made.

In the midst of this barrage of information, the House Armed Services Committee and the Senate Foreign Relations Committee requested that the Office of Technology Assessment study the Star Wars program. The Office released their findings Tuesday, September 24. They found that the Star Wars program will never be able to protect the entire nation from nuclear attack, could start a new arms race, and could decrease nuclear stability. Many other scientists, politicians, and community leaders have reached similar conclusions.

If any missile defense program is to be a success, it must be highly effective. The destructive power of nuclear weapons is so great that even if a few missiles were to penetrate the defense, the

damage would be enormous. If by a series of technological breakthrough, we were able to develop a shield with even 95 percent impermeability we would still not be safe.

The Soviet Union has 9,208 warheads according to the CIA National Intelligence Estimates. Assuming they launched 5,000 of these warheads, 95 percent effectiveness would still allow 250 missiles to reach their targets. While exact estimates of the amount of damage inflicted by this many missiles are impossible to make, it can safely be said that every major U.S. city could be destroyed. Unfortunately, "Even scientists and engineers who support SDI doubt that a system much more than 50 percent effective can be deployed in the next few decades." (Carl Sagan, "Battleground in the Heavens", *Discover*, September 1985, p. 68.) Thus, the same attack of 5,000 warheads now results in 2500 missiles reaching their target. The consequences of such an onslaught are unthinkable.

Another problem in attempting to create a missile defense system is that it

would be relatively easy to counter. The Soviets could simply increase the number of missiles they launch. Building more warheads could be done at costs far less than that of a Star Wars system, and it could be done with today's technology. The result would be that we would have invested billions of dollars for a shield that would not protect us.

Even if we develop a perfect Star Wars system, it will be effective only against missiles fired on high ballistic trajectories. Cruise missiles, which hug the contour of the land, and bombers could still penetrate. Other unconventional means could also be developed to deliver nuclear warheads. Even a fishing trawler could be used to deliver a warhead. The simple fact is that we will not be able to completely eliminate the threat of nuclear terror through the use of technological gadgets.

Given that a perfect missile defense cannot be achieved, perhaps we should construct a defensive system anyhow to attain at least some degree of protection.

see Star Wars page 6



letters to the editor

Shedding light on the Christian belief

Dear Editor,

Since becoming a Christian last semester, I've found a lot of people who have different ideas about Christianity. On campus there are almost as many different ideas as people. Hopefully, this will shed some light on the subject.

The basic Christian belief is not based upon a set of rules, regulations, and commandments. Nor is it how many times you go to church or how many books of the Bible you have memorized or how much money you give to orphans. Neither is Christianity giving up the party scene and all that goes with it. No, Christianity is not a list of do's and don't's.

What then is Christianity? Christian-

ity is the simple fact that God so loved the world that He gave His Son, Jesus Christ, to die for you. Now, most people know that. But, what does that mean?

A look into the Bible at the book of Genesis tells why. Adam and Eve, the first human beings, were created by God to have fellowship with God. Created in the image of God, they were sinless and in perfect communication with God. However, God, not wanting to talk with a robot, gave them a free will to do as they wished. They could either communicate with (or worship) God, or listen to Satan and what their own desires wanted. As most of us have heard, Adam and Eve chose to disobey

God and did as Satan told them.

Therefore, God kicked Adam and Eve out of the Garden and condemned them, and their following generations to die. BUT, God did not give up on us. God made Abraham a promise. If we would turn away from our sinful nature and turn to God, He would forgive us through the sacrificing of His Son, Jesus Christ.

Two thousand years ago Jesus fulfilled the promise God had given to Abraham. He came to Earth as a human being and lived a totally sin-free life. To fulfill the promise of a sacrifice for our sins, He willingly died on the cross. But the story doesn't end there. Jesus proved he had complete author-

ity over sin (and Satan) by rising from the dead. This is the basic Christian belief. Through Jesus Christ, we can now be in communication with God.

What does this mean? As a Christian you go through a "born again" experience. This is when we invite Jesus into our heart and allow Him, not us, to wash away our sins and justify ourselves with God. So then, as a Christian, we will do the do's and not do the don't's. Not because we have to do the do's but because we want to.

That's what I did seven months ago. I accepted Jesus into my heart as my Lord and Savior. It's been the best seven months of my life. But make no mistake, there have been some rough

spots. To follow Jesus takes a total commitment. The cost was great—my sinful nature, but the reward is greater—eternal life with God.

The same question faces each one of you. To choose to pursue your own desires will result in eternal damnation. Or, you can accept Christ, allow him to put away your sinful nature, and follow Him. This will result in a fulfillment in your life of peace, joy, and love that only God can provide. I hope each of you will (or have) taken this question seriously. The consequences are great.

In Christ's Love,
Ron Olkiewicz
Christian Campus House

Mandatory participation in telethon is a mistake

Dear Editor,

The Civil Engineering telethon is currently starting its second year. Last year, \$45,000 was raised and this year's goal is \$60,000.

No one could argue that the telethon is not an effective tool in raising money for a department, nor could they argue that this money is not being put to a very good use. I think, however, that by having participation be mandatory, the school is making a mistake. Forced solicitation, no matter how well intended, still rings a tone of impropriety.

The people in charge of the program say that this is the only way the telethon will work and the telethon, itself, is the

most effective instrument in raising funds. These are wise and dedicated people who I am sure have put forth a considerable effort to find an alternative solution. If they are correct and there is no other way, then I think it is sad that the University has found itself in a position where Machiavellian policy must prevail.

However, if these organizers have overlooked an alternative, one in which the school's ethics would not be put in question, then I would challenge the thousands of intelligent people associated with this University to look for that answer.

—Pat Weissensee

Art can be motivational without being beautiful

Dear Editor,

Your comments that you only need art that does things is about the same as saying your TV gets two tones, black and white, so you haven't any need for color.

Actually Paul, art that has to be beautiful or meaningful gets a little boring. If you give this work no other credit you should concede that it caught your wonder. A small effort I'm sure, but one of merit none the less. Art which bears no pronounced statement

of its own can be a motivational device just as a puzzle can.

Thomas Ashcroft is an advocate of such punk art. He would rather let your reaction make the statement. I suspect he would be amused to know what a success it was for you. He got your thumb out of your butt long enough to write an article. Too bad you couldn't have been more positive. If you can't have fun with it, too bad, somebody else will.

—John A. McEnery

Help save lives by joining the 'I'm Driving Club'

Dear Editor,

Most everyone has heard of, or unfortunately experienced the terrible tragedies and deaths caused by the drunk driver. So much so that there is no need to repeat the alarming statistics here. However, several exciting programs are being proposed to discourage driving under the influence of alcohol.

One such program is called the "I'm Driving Club." It's creator, Mr. Donald Todd from Muckwanago, Wisconsin, designed the club to be an ongoing, totally voluntary, proactive community solution to the drinking/driving problem we face today.

As drinking/driving becomes more socially unacceptable, the "I'm Driving Club" gains membership and momentum as it sweeps across the United States.

Here is how the program works. A group of people entering a local drink-

ing establishment designate an "I'm Driving Club" member as the driver for that evening. In exchange for not consuming alcohol and therefore remaining sober, the driver is provided with free soft drinks for the duration of the group's stay.

A person can join the "I'm Driving Club" by registering at a participating bar or restaurant. As a member, one receives a membership card which allows this person to receive free soft drinks if he or she is driving for a group of two or more people.

Keep in mind, this program is not exclusive to university students. The club is a total community project designed for everyone. This program is not prohibition. It simply meets the need to be responsible if one is planning on drinking.

Since the program's conception over two years ago, more than 60 campus

communities have adopted this program nationwide. In May of 1985, during the National Association of College and University Residence Halls Conference in Florida, the program was introduced to many more universities and colleges. Once adopted, this program will become a part of everyone's daily life by reducing accidents and deaths caused by drinking/driving.

National Collegiate Alcohol Awareness Week will serve to set the stage for the introduction of the "I'm Driving Club" in Rolla. During NCAA week beginning October 21, please familiarize yourself with and support this responsible club by becoming a member.

The "I'm Driving Club" provides an excellent opportunity for everyone to help save lives.

—Timothy Reno Venverloh

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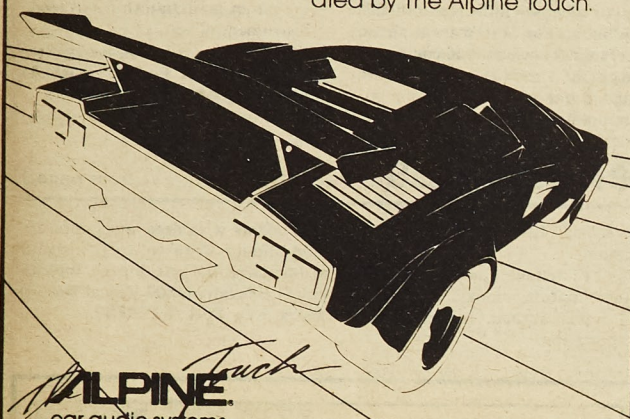


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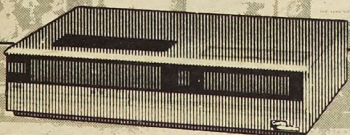
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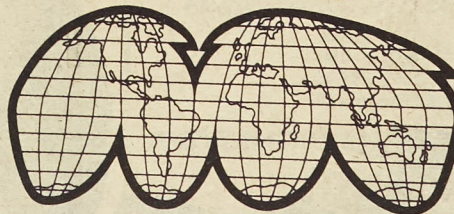
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Star Wars

from page 3

tection. While initially such an argument may seem logical, Star Wars will actually decrease nuclear stability. If we are able to develop the technology for a perfect defense, there will still be a long construction period. During this construction period tensions between the U.S. and Soviets would rise to extremely high levels. The Soviets would fear that they were about to have their nuclear weapons made completely ineffective. Since we would still have our nuclear weapons, this would threaten to place the Soviets in a completely vulnerable situation. As a result the Soviets might consider using their missiles while they

were still effective.

A more likely scenario is that the defense system would be less than perfect. Such a system would provide an incentive for a first strike attack. The nation with a partially effective defense could strike first, eliminating many of the other nation's missiles. The aggressor nation would then have fewer missiles to defend against. "The irony here is that we could end up in the most destabilizing of situations imaginable—one in which the superpower that seeks to strike first has the best chance of surviving," explains Rep. Aspin, D-Wis., chairman of the House Armed Services Committee.²

Another problem with Star Wars is that if one nation begins development the other will attempt to make the defense system ineffective. Either through simple methods such as increasing the number of warheads launched and developing decoy missiles, or more complex methods such as developing weapons to destroy the Star Wars system. In any case yet another arms race would be started, resulting in even more of a drain on our resources than current military spending.

The economic effects of the decision to produce Star Wars is yet another disadvantage of Star Wars. Currently

President Reagan has proposed spending more than \$30 billion for Star Wars over the next five years. Eventually the program could cost as much as \$1 trillion dollars. This money will have to come out of programs that are more deserving of funds than Star Wars.

With \$1 trillion, half the national debt could be paid off, or world-wide poverty and hunger could be dramatically reduced. In addition, Pentagon spending is not an effective investment. A report prepared by Employment Research Associates, an independent consulting firm, indicates that in 1981, "...every \$1 billion transferred from purchases by consumers to the Pentagon cause a net loss of 12,000 jobs in industry and commerce." If as an engineer or scientist, you favor spending on Star Wars because you think it will provide you with a job, realize that the funds could just as easily be diverted to a peaceful space program or other scientific research. (The 1986 budget for Star Wars is already larger than the science and engineering budget of the National Science Foundation.)

In summary, there is little likelihood

of creating a perfect defense shield. Star Wars would actually decrease stability by increasing the incentive for a first strike. The economic costs of Star Wars are overwhelming. For these reasons, I feel that attempting to develop Star Wars would be a mistake. Star Wars will no save us from the threat of nuclear terror.

An alternative to Star Wars does exist—political will. In the words of General Omar Bradley:

I am sometimes discouraged. It is not by the magnitude of the problem, but by our colossal indifference to it. I am unable to understand why—if we were willing to trust in reason as a restraint on the use of a ready-made, ready-to-fire bomb—we do not make greater, more diligent, and more imaginative use of reason and human intelligence in seeking an accord and compromise which will make it possible to control the atom and banish it as an instrument of war.

1. "Star Wars Called A Risky Program," *St. Louis Post Dispatch* 25 September 1985 p. 1A
2. Ibid

Fellowships

from page 1

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FALL SPORTS REVIEW

OCTOBER 14, 1985

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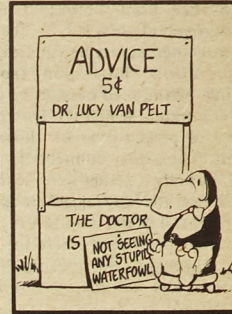
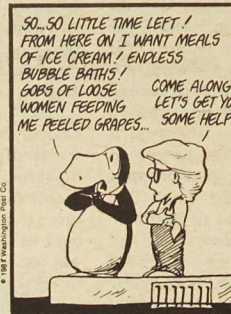
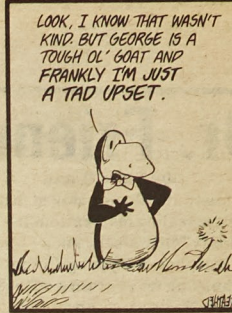
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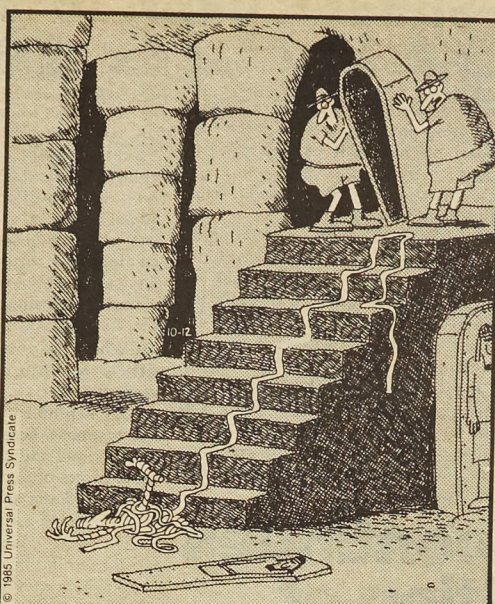
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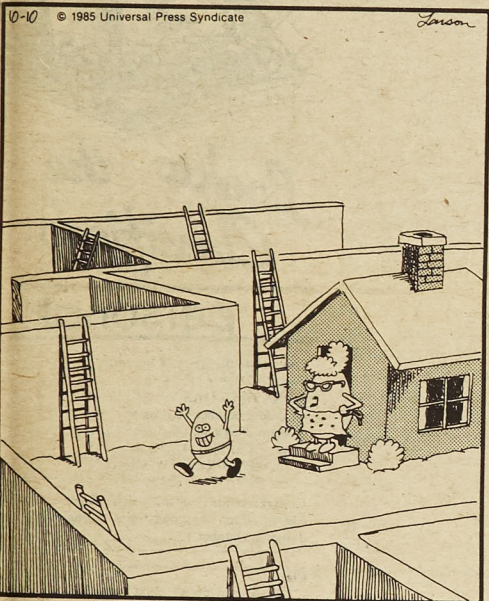
By GARY LARSON



"Well, I'm addicted. ... Have you tried Carol's sheep dip?"



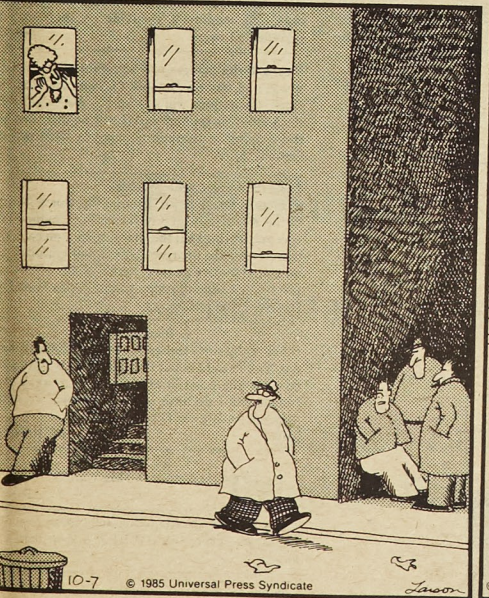
"Whoopsies! ... If this tomb does have a curse on it, Webster, I daresay we'll be the first to find out."



"Be back by suppertime, Hump ... And, as always, you be careful."



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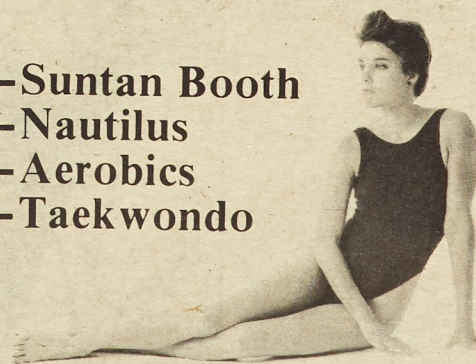
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Artist Thomas Ashcraft speaks back to UMR students

by Mike Wisland, Silvia Chin
& Steve Meyer

During the Liberal Arts Week last week, Thomas Ashcraft, the artist in residence "enriched" our campus with his abstract art. This ongoing sculpture of poetics was titled "Calling Down the Spirit Bird: A Five Day Dreaming Event".

No doubt most everyone got a chance to see his work sometime during the week, since it was in the quadrangle right in front of the library. And no doubt will this piece bring up some controversy and certainly a dose of criticism. Foreseeing this, we decided to interview Mr. Ashcraft—to get straight from the artist's mouth, exactly what he was trying to do and what it was all supposed to mean. We had a short Q & A session and this is

essentially what transpired:

Q: What exactly is this art supposed to represent?

A: Again the piece is called "Calling Down the Spirit Bird, and when you call down the Spirit Bird of traditional alchemy, well, what spirit bird is that? The Spirit Bird is a transmuting bird, a bird that changes form. It seems to me the Spirit Bird that has come is an atomic bird, is a uranium bird, is a bird that seems to me to be connected with the Hopi Indians of New Mexico who are being displaced now from their homeland . . . because of the uranium in their mountains, (and the interests of large corporations). My prayer would be that we realize that our actions have consequences and that they not be disruptive of harmonious nature. . . and my prayer is for healing

and balance.

It's not necessarily a pleasant looking bird, it's an angry spirit bird . . . so what we have is an angry earth—Spirit erupting out of the dream in the very heart of the UMR campus for five days.

Q: What is some of the background that went into your work?

A: My goal has been to be the open vessel for the work, and I've offered my hands up to the spirit, and the spirit has been working through my hands. That's why I call this a dreaming event. When I was working on it one night, a fellow came by and said "It looks like you're building a radio telescope". And I said, "I really sort of am building a kind of radio telescope" . . . a circuit for receiving dream energy, spirit energy, poetic energy.

Q: Why did you choose not to use captions, or signs with words describing your art?

A: Sometimes when you add the written work—that's another language. Now there's like a symbol language going on there that registers different responses in different people. If I added a word, that changes it totally. In the beginning I envisioned sound to go along with the piece, a kind of iron gong sound, but I was limited with my sound equipment so I took it out after the first day.

Q: What was your reaction to these other "Sculptures added by other students?"

A: Oh, no problem . . . I was pleased at the response because it took some calories and muscle energy to move those pieces of junk out there. Go for it! It's 1985 and anything goes. There

has been no real strong vandalism and even the action of the trash can with the message "Is This Art? etc.", was polite and well behaved, and I thought even appropriate.

Q: Certainly you realize that you are working on a campus that has a lot of skepticism towards this kind of art. Do you feel that you have succeeded in what you wanted to accomplish here?

A: I feel that the piece has definitely drawn electrical response—positive or negative—trying to generate energy, trying to be truthful . . . I guess I've come somehow to challenge, provoke, stimulate, irritate and aggravate, because I feel there is placidity here—serenity. And should a University just be utterly placid—without a challenge, especially from the Spirit World.

Mr. Ashcraft got his degree in Humanistic Studies from McGill University in Montreal in 1975.

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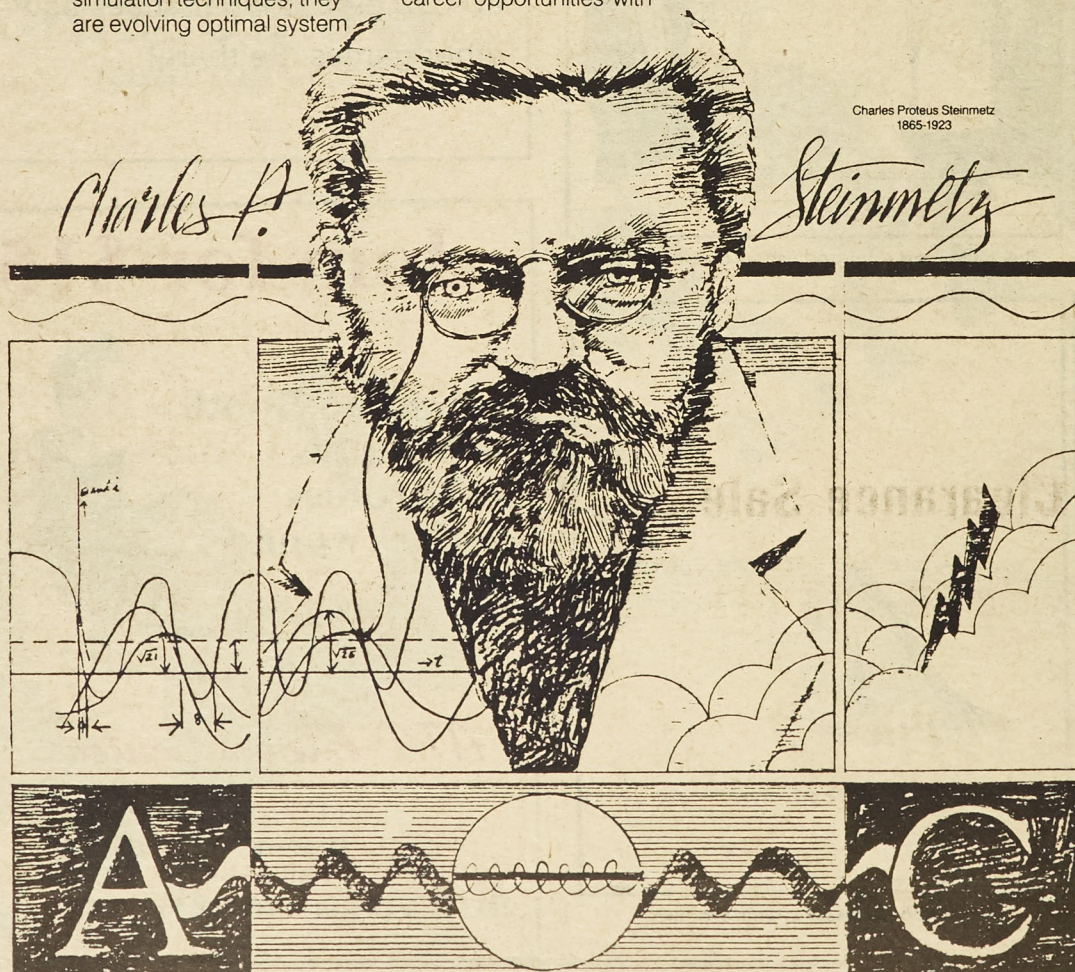
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Team Africa vs. USA I

Sunday, October 13, 11 a.m.

Shamrock Rovers vs. Greece

Congratulations to the Little Sisters of Hock Manor. Keep the good times rolling. Initiation dinner is October 13.

Clara,

I hope you didn't mind me telling everyone about your birthday, but you know how I keep secrets . . . Hey Dave! . . . hee! hee! Anyway, guess it's back to five, huh? Oh, well, I don't mind. I hope you have a great birthday! (Did I hear somebody mention a spanking? A spanking! Love. A spanking!) Love. -M&M

Kappa Delta pledges will be selling their annual weeds and flowers October 21-29 at the Hockey Puck. Carnations will sell for \$1. Weeds will sell for \$.25. Flowers and weeds will be delivered to those living in campus housing on Halloween, October 31.

Dear Pink and Green Machine,

Thanks so much for representing our Sorority in the A-Phi-A 3 on 3 basketball tournament. It was only fitting that the sharpest men on campus represented the sharpest ladies. Congratulations on your 1st place victory. SKEE WEE! Love, The Ladies of Alpha Kappa Alpha Sorority, Inc., Xi Delta Chapter

J. Bernadette,

I'm really sorry things worked out the way they did. You're right about this semester—it's going to be a turning point in my life. I'm glad we're still friends and I do have some free time if you need someone to talk to. Take care! Love, M. Howard

Mr. Ear

James Taylor for-ever!! Take Care! Love ya! -Bunky

If anyone sees Chester today, tell him to read the classifieds. There's ANOTHER one in here for him.

Calculus is the stuff a dentist scrapes off your teeth. -CS

see Classifieds page 16

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page 16

m sports

Wednesday, Oct. 9, 1985
missouri miner
Page 11

Miners down Southeast 20-3

by Mark Buchner

Before the start of last Saturday's game between the SEMO Indians and UMR Miners at Cape Girardeau, SEMO won the coin toss, but it seemed like UMR won the toss instead of SEMO because SEMO elected UMR to receive the ball to start the game. SEMO made a mistake because the Miners scored on their first possession before the Indians touched the ball. The Miners said thank you for giving us the first chance to score, then they did score, and after that, the Miners never did lose their lead as they posted a 20-3 win against SEMO.

The Miners scored on their first possession after receiving the kickoff. The Miner's ground game and passing game were both working on the drive.

The Miners started on their own 10-yard line. UMR ran the ball three times with Tom Mueller running twice and Mike Meyer once to give the Miners their first first-down at the 22. On the next play, the Miners got their second first-down in a 12-yard pass completion from quarterback Brad Hang to wide receiver Ron Hutchcraft.

The Miners were moving the ball very impressively considering they had to start at their own 10. Then the Miners got a costly unsportsmanlike-conduct penalty which left them with a third and long situation. The Miners got a lot of yards on the third down play but were still three yards short of a first down at the Indians' 40. On fourth and three, the Miners sent out

the punting unit to kick the ball away. To the Indians surprise, Miner punter John Frefking ran the ball instead of kicking it. Frefking was not being rushed by SEMO, so he saw an opening that kept the Miner drive going at the 35.

Then the Indians committed a costly penalty, pass interference, to give the Miners another first down at the 20. After that, it seemed that the Miners were going to drive almost the entire length of the field to score seven points, but a couple of big defensive plays by the Indians forced the Miners to settle for three on a 42-yard field goal by Jim Zacny. The Miners, though, had to feel very good to get three points. The Miners kept the ball

see Football page 14

Cross Country invitational was fun for everyone

by Mike St. John

There was something for everybody at the Miner Invitational cross country meet last weekend. There were hats given to the top fifteen men and women runners and watches awarded to the top runners from each team. There were six packs of soda given away lottery style as numbers corresponding to those worn by the competitors were drawn from a box by men's coach Dewey Allgood.

There was indeed something special about this day. It was a windy day, a day when Curt Elmore ran the best race of his life. "It was my last run on the home course," Elmore said, "and I had to do it while I had the chance." Elmore finished seventh in the men's race with a personal record time of 26:25. Julie Board also ran a personal best time of 18:46 and finished first in the women's race. "I wanted to beat the girl from Missouri Baptist (Tammy Dill) who beat me last week," Board said. Missouri Baptist, however, was too tough overall and won both team races.

The men finished a strong second led by Tim Swinfard's third place finish in 26:08. Swinfard was followed by Elmore, Andy Prater, Kurt Whittet, Ron Rosner and Bruce Berwick, who finished in the top twenty. Jim Clark finished twenty-fourth to round out the top seven Miners. Clark is running better according to Allgood. Prater had some bad luck when he had to tie his shoe during the race or he may have finished higher. The Miners finished well ahead of Southwest Missouri and Northeast Missouri respectively.

Northeast finished a close second in the women's race with Westminster third and the Miners in fourth place.

"Teamwise I was pleased," said women's coach Sarah Preston. Amy Volmert finished thirteenth overall. Volmert has not been training much lately due to the threat of a foot stress fracture. "I have to take it easy and let up when it hurts," she said.

Janet Olson's time of 21:11 was twenty-four seconds faster than her best time this year. Olson was pleased with the improvement which allowed her to finish twenty-second overall. Beth Mueller and Samantha Moss completed the scoring for the women. Mueller also ran a personal best time of 22:52. Unfortunately, Liz Haning was unable to run due to a hip injury. Haning may run next week according to Preston.

The men's team has so much depth that they were able to enter two teams in the race. The second team finished in eighth place with Mike Deamer, Keith Rackers, Steve Schwab, Charles Henze, Mike Montgomery, Stan Novak and Eric Wulfman finishing, respectively. There were also several alumni runners who came back to run the course once again.

It was not your ordinary cross country meet. The course was blanketed with runners at the start of the men's race. There were so many runners it looked like a stampede. Dan Bryant of Missouri Baptist survived the frantic start and went on to win the men's race in 25:15. Bryant ran a spectacular race. Missouri Baptist mounted a substantial lead early in the men's race and the Miners fought back hard but could not close the gap for a win. The team, however, ran well and both the men and the women continue to improve as the conference meet draws near.

Lady Miners bouncing back

by Brad Clayton

The Lady Miners seem to be back on track following a rather poor showing at the UMSL-Budweiser tournament. UMR finished seventh overall in a field of eight teams, suffering defeats to the University of Wisconsin-Madison, and the University of Dayton-Ohio. They did, however, deliver a crushing loss to Northeast Missouri State.

Friday the women lost to UWM by a score of 3-0. The Badgers ran circles around the Miners. UWM had 38 shots on goal to UMR's 2. This loss wasn't as bitter to the women as their loss to Quincy or MO-Baptist.

The following day's game against Dayton was more equally matched as far as skill was concerned. The Miners suffered only in their lack of depth on the bench. With only four players sitting out, the Ladies were literally our-substituted. The Miners' lone goal of the game came from a shot by Angie

McEntire during the second half. Incidentally, McEntire was selected to the All-Tournament team.

The Ladies luck changed for the better on Sunday as they escaped last place in the tournament by creaming NEMO 5-0. UMR had a field day, with Angie McEntire, Sue Shrum, Cathy Georgevitch, and Jan Wilkerson all scoring goals. This game was the most heartening the Miners had played to date, as they finally beat a team they were superior to. To make the victory even sweeter, a shut-out with credits going to goalies Tracy Boland and Michelle Ditton.

As if to prove that Sunday's win was not just a fluke, the Miners went out and did it again this past Saturday. That's right, while most of you were at home celebrating the three-day weekend, the Ladies were having a bash right here in Rolla. UMR went up against Marvville college and Maryville came down the loser by a 5-0

score. Despite a slow start, the women were leading 1-0 at half-time. But at the beginning of the second half, Rolla moved into high gear. Almost all the Miners were playing offensive ball, the only exception being the goalie. Sue Shrum lead the Ladies by scoring the first three goals, and freshman Heather Klein capped off the match when she scored with less than ten minutes left. Once again, goalies Boland and Ditton provided UMR with the shut-out.

This weekend, the Miners travel to Kentucky and Ohio, to take on the University of Louisville, and the University of Cincinnati, respectively. Your next chance to see the Ladies, though, is October 15, at 7:00 p.m., when they meet MO-Baptist in what promises to be a knock-down, drag-out grudge match if there ever was one. Don't miss the excitement! Support your team!!

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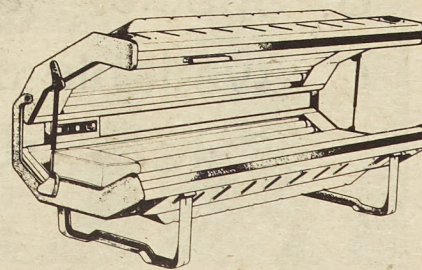
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Soccer men moving up

by Rob DeChant

The University of Missouri Rolla soccer team pulled in their second win Tuesday against Missouri Southern at Joplin. The team beat Missouri S. by a score of 1 to 0 on a goal by freshman John Beveb from Vianney High School.

The young Miner team is starting to correct some of their previous mistakes. The team has been plagued by inexperience coupled with a lack of confidence. These problems are starting to erase themselves as more games are played.

Freshman Bill Guenther said about the freshman on the team. "In the first few games most of us were really nervous to play. Now we are improving quite a lot. Our confidence has raised

quite a bit since we started."

As an extra measure to ensure a win at Missouri Southern, coach McNally introduced an interesting predicament. "We had to win 3 to 1 in order to go home after the game. If not, we were going to stay in Joplin and practice for the rest of the week." Guenther said, "but we won and he let us go home anyway."



The team is now 2-5-0 for the season including a win against Quincy two weeks ago. The next game is Thursday against McKendree College. The next home game is October 16 against William Jewell at 3 p.m.

Intramural action continues

by John Schwarz

Flag football continues at an exciting pace with the regular season games concluding next week. The playoff births will be on the line as the schedule continues:

Tennis and horseshoes are winding

down their tournaments with the finals. The first round of swimming was Tuesday with the finals on Thursday (Oct. 10) at the Multi-Purpose Building. The intramural managers meeting is tonight at 5:30 with volleyball and soccer entries due.

FOOTBALL

Oct. 9	6:30	Sig Pi-KA Psi	TJN-AFROTC
	8:00	Campus-Sig Chi	TJS-AIAA
	9:15	AE Pi-Tech	Triangle-Pi Kappa Phi
Oct. 14	6:30	KA-GDI	Delta Sig-Wesley Newman
	8:00	Sig Nu-Beta Sig	CCH-RHA
	9:15	Sig Ep-PiKA	Vets-Sig Tau
Oct. 15	6:30	Kappa Sig-Sig Chi	Lambda Chi-Tech
	8:00	TKE-KA Psi	BSU-AFROTC
	9:15	Phi Kap-GDI	Delta Tau-TJN
Oct. 17	6:30	AE Pi-Tech	Theta Xi-TJS
	8:00	KA-GDI	
Oct. 21	Playoffs		
Oct. 23	Playoffs		
Oct. 22	Playoffs		

ENGINEERS

October 28



SUNDSTRAND ON CAMPUS

Sundstrand, a leading technology-based company, supplies advanced electrical and mechanical aerospace systems for commercial, business, and military jet aircraft as well as missiles and space applications.

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Sport	Opponent	Date	Place	Time
Football-Parent's Day	Northeast Missouri	10-12	Rolla	1:30 p.m.
Cross Country	Washington University Invitational	10-12	St. Louis	TBA
Men's Soccer	McKendree College	10-10	Lebanon, Ill.	3:00 p.m.
	Indiana State	10-12	Evansville, Ind.	2:00 p.m.
	William Jewell	10-16	Rolla	7:00 p.m.
Women's Soccer	University of Louisville	10-10	Louisville, Ky.	3:00 p.m.
	University of Cincinnati	10-12	Cincinnati, Ohio	2:00 p.m.
	Missouri Baptist	10-15	St. Louis	7:00 p.m.
Rugby	St. Louis University	10-12	Rolla-Fraternity Row	1:00 p.m.

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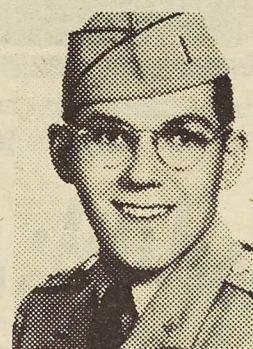
To get ahead of the competition, pre-register for Military Science 10.

For information contact:

Maj. Terry P. Bartkoski, Rm. 102, Bldg. T-2 (between EE and Library) or call 341-4740.



Rawleigh Warner, Jr., Chairman, Mobil Corp.



Earl G. Graves, Editor & Publisher
Black Enterprise Magazine



John G. Breen, Chairman, President & CEO
Sherwin-Williams Company



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SPORTSNAME

Unscramble the managers' names below and then answer our Sportsname quiz.

KCID LLIWIMS
LLYIR RTINAM
LA DKAR
YSAPRK SONANDER
KCUHC NNEATR
LRAE VERWEA

Answers:

Dick Williams
Billy Martin
Al Dark
Sparky Anderson
Chuck Tanner
Earl Weaver

What do all of the above managers have in common? Each of the above managers won a world series title during the 1970's.

SPORTS STUMPERS

Q. When a football official puts both palms together over his head, what is he signaling?

A. A safety (2 points)

Q. When a football official has his arms pointed toward the defensive team's goal, what is he signaling?

A. A first down for the offensive team

Q. When a football official has one arm above his head with an open hand, what is he signaling?

A. A dead ball or neutral zone established

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Tuesday,
October 22

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St. Louis, Missouri 63118

Football

from page 11

for about eight minutes before they kicked-off.

SEMO must have been slightly upset for giving up three points because they quickly marched down the field on their first possession. Dave Jackson returned the kickoff from his own 3 to the UMR 40-yard line. 57 yards to be exact. Jackson would have probably gone 97 yards if it wasn't for a saving tackle by Vernon Huggans. Then safety Ken Zerkel, who had missed the first three games because of a shoulder injury, committed defensive pass interference to bring the ball down to the 25. This turned out to be a strange drive for SEMO because on the next play, Indians quarterback Jeff Brown's pass was intercepted by Huggans on the 10.

Huggans was the man responsible for keeping SEMO from scoring with his saving tackle and interception, his third on the season.

The Miners' second possession wasn't as successful as the first but they almost got three points. Zacny attempted a 57-yard field goal. The ball went straight enough but fell just six yards short of the upright.

SEMO did score before the end of the first half. SEMO started on their own 40 after the missed field goal by Zacny. The key play of the drive was a 22-yard pass completion from Brown to Ralph Jetterson at the UMR 30. SEMO's drive was stalled on the 22, so they had to settle for a 40-yard field goal by John Overby.

The game was tied at 3, but the Miners retook the lead before the end of the half. UMR had another good drive mixing up the run and the pass very effectively to give Zacny another field goal from 42 yards away with only 53 seconds left in the half. The Miners led at halftime, 6-3.

The Miners had a good rushing (82 yards) and passing (Haug, 9 of 18, 92 yards) game in the first half. The defense also played well in the first half and for the entire game.

The Miners' two touchdowns came in the fourth quarter. David Andrzejewski came in as quarterback and threw a 42-yard TD pass to wide receiver Joe Schnefke. Late in the game, when everything was academic, Haug scored a TD from 2 yards out. UMR, now 2-2, play here Saturday against NEMO (1:30, Parent's Day).

MINER FACTS - Haug completed 13 of 24 passes for 156 yards. The Miners had 18 first downs compared to 13 for the Indians. The Miners had 341 yards total offense compared to 238 for SEMO. Mueller led the Miner rushing unit with 75 yards rushing while Schnefke caught 6 passes for 89 yards.



mplacement

Wednesday, Oct. 9, 1985

Missouri Miner

Page 15

permanent

CAREER DEVELOPMENT WEEKLY DETAIL SHEET PERMANENT EMPLOYMENT

WEEK OF NOV. 4-8, 1985

SIGNUP LOCATION: Buehler Bldg., 9th & Holla St.
SIGNUP HOURS: 8:00-10:30 for morning interviews
1:00-3:00 for afternoon interviews

DAVID TAYLOR NAVAL SHIP R&D, Bethesda, MD
Interviewing DECEMBER 1985, MAY 1986 grads with BS in Comp Sci, EE, ME or Metallurgical Engineering. Job description is not available.
U.S. CITIZENS ONLY
STUDENTS MUST BRING TRANSCRIPT TO INTERVIEW.
JOB LOCATION: Maryland
INTERVIEWER: unknown
INTERVIEW DATE: Monday, Nov. 4, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Friday, Oct. 18, 1985
REGULAR SIGNUP: Monday, Oct. 21, 1985

LEVER BROTHERS COMPANY, St. Louis, MO
Interviewing DECEMBER 1985, MAY 1986 grads with BS in Chemical Engineering for Prod. Mgmt.
U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.
JOB LOCATION: St. Louis
INTERVIEWER: Bob Sloop and another
INTERVIEW DATES: Tuesday, Nov. 5, 1985
Wednesday, Nov. 6, 1985
NUMBER OF SCHEDULES: 1 ea day
PRIORITY SIGNUP: Monday, Oct. 21, 1985
REGULAR SIGNUP: Tuesday, Oct. 22, 1985

NOAA, Seattle, WA
Interviewing DECEMBER 1985, MAY 1986 grads with BS or higher in any engineering, or general science, such as math, computers, physics, geology, chemistry, earth science, biology, etc. The National Oceanic and Atmospheric Administration Corps (uniformed service of the Dept. of Commerce) is responsible for operating and managing NOAA's fleet of hydrographic, oceanographic, and fisheries-research ships and supporting NOAA scientific programs. Additional information is available at Career Development (G-3 Buehler Bldg.)
U.S. CITIZENSHIP REQUIRED.
JOB LOCATION: nationwide
INTERVIEWER: Carolyn Reid
INTERVIEW DATE: Tuesday, Nov. 5, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Monday, Oct. 21, 1985
REGULAR SIGNUP: Tuesday, Oct. 22, 1985

NOTE: STUDENTS ARE ENCOURAGED TO ATTEND A GROUP MEETING FOR NOAA:

LOCATION: Room 107, 1st Floor, Career Development, Buehler Bldg., 9th & Holla St.
TIME: 8:00-8:45
DATE: Tuesday, Nov. 5, 1985

INTERNAL REVENUE SERVICE, Houston, TX
Interviewing DECEMBER 1985 grads with BS/MS in Geological, Mechanical or Petroleum Engineering. INTERVIEWS WILL BE 45 MIN. IN LENGTH.
U.S. CITIZENSHIP REQUIRED.
INTERVIEWER: William C. Hicks
INTERVIEW DATE: Tuesday, Nov. 5, 1985
Wednesday, Nov. 6, 1985
NUMBER OF SCHEDULES: 1 ea day
PRIORITY SIGNUP: Monday, Oct. 21, 1985
REGULAR SIGNUP: Tuesday, Oct. 22, 1985

U.S. ARMY CORPS OF ENGINEERS, Little Rock, AR
Interviewing DECEMBER 1985, MAY 1986 grads with BS in CE, EE, ME to start off as trainee

engineer and rotate through several departments for 1-2 year period. Most work involves planning and design of water e.g. dams, reservoirs and some military construction. MUST BE U.S. CITIZEN.
G.P.A. REQUIREMENT: 2.9 AND ABOVE.
INTERVIEW DATE: Tuesday, Nov. 5, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Monday, Oct. 21, 1985
REGULAR SIGNUP: Tuesday, Oct. 22, 1985

CONOCO, INC./PETROLEUM PRODUCTS N. AMERICA
Ponca City, OK

Interviewing DECEMBER 1985 or MAY 1986 grads with BS in Chemical, Civil, Mechanical Engineering or Engineering Management for one year Management Development Program to expose new engineers to petroleum operations, economic evaluation, project design and construction management. **U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.**
JOB LOCATION: various
INTERVIEWERS: unknown
INTERVIEW DATES: Wed., Nov. 6; Thurs., Nov. 7, 1985
NUMBER OF SCHEDULES: 2-Nov. 6, 1985
3-Nov. 7, 1985
PRIORITY SIGNUP: Tuesday, Oct. 22, 1985
REGULAR SIGNUP: Wednesday, Oct. 23, 1985

INFORMATION MEETING FOR PETROLEUM PRODUCTS:
LOCATION: G-3 SCHRENN-Chem. Eng.
TIME: 6:30-10:00 p.m.
DATE: Tuesday, Oct. 15, 1985

STUDENTS MUST READ PP. NA BROCHURE BEFORE INTERVIEW!
(Will be available at time of signups for Conoco, Inc., Petroleum Products N. America)

MODINE MFG. COMPANY, Racine, WI
Interviewing DECEMBER 1985 grads with BS in ME for Design Engineer. Additional job details will be posted at time of signups.
JOB LOCATION: corp. HQ in Racine, WI
INTERVIEWER: Laura Clapett
INTERVIEW DATE: Wednesday, Nov. 6, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Tuesday, Oct. 22, 1985
REGULAR SIGNUP: Wednesday, Oct. 23, 1985

NATIONAL SECURITY AGENCY, Ft. Meade, MD
Interviewing MAY 1986 & JULY 1986 grads with BS/MS/PhD in EE, Comp Sci or Applied Math for Electronic Engineer, Computer Scientist or Mathematician - job details will be posted at time of signups.
G.P.A. REQUIREMENTS:
2.5 FOR ELECTRICAL ENGINEERS
2.7 FOR COMPUTER SCIENTISTS
3.0 FOR MATHEMATICIANS

U.S. CITIZENSHIP REQUIRED BY FEDERAL STATUTE.
JOB LOCATION: Ft. Meade, MD (a suburban area midway between Baltimore & Washington, D.C.)
INTERVIEWER: unknown
INTERVIEW DATE: Wednesday, Nov. 6, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Tuesday, Oct. 22, 1985
REGULAR SIGNUP: Wednesday, Oct. 23, 1985

IOWA ELECTRICAL LIGHT & POWER COMPANY, Cedar Rapids, IA

Interviewing DECEMBER 1985 grads with BS in EE, ME; MAY 1986 grads with BS/EE, ME, NE for positions in one or more of the following areas:
Design engineering, construction, modification and maintenance of the Company's high voltage transmission system and communications systems;
Transmission and distribution systems control and protection systems;
Power plant electrical systems;
Design modifications, etc.;

Engineering feasibility studies and the application of alternate energy technologies.
U.S. CITIZENSHIP NOT REQUIRED, BUT MUST HAVE PERMANENT VISA.

JOB LOCATION: Cedar Rapids
INTERVIEWER: Mary McManus
INTERVIEW DATE: Wednesday, Nov. 6, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Tuesday, Oct. 22, 1985
REGULAR SIGNUP: Wednesday, Oct. 23, 1985

DEFENSE CONTRACT ADMINISTRATION, St. Louis, MO
Interviewing recent grads (2-5 yrs), DECEMBER 1985 grads with BS/MS in EE for Quality Assurance Div. **U.S. CITIZENSHIP REQUIRED.**

JOB LOCATION: St. Louis, MO
INTERVIEWER: Laurence McCarthy
INTERVIEW DATE: Wednesday, Nov. 6, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Tuesday, Oct. 22, 1985
REGULAR SIGNUP: Wednesday, Oct. 23, 1985

AMOCO OIL REFINERY (Whiting, IN), Chicago, IL
Interviewing December 1985 or May 1986 grads with BS/MS in CE for Refinery Technical Projects Engineering (job details will be available at time of signups); BS/MS in EE or ME for Refinery Engineering (job details will be available at time of signups). **U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED. BRING TRANSCRIPT TO INTERVIEW.**
JOB LOCATION: Whiting, IN
INTERVIEWER: Joseph R. O'Brien
INTERVIEW DATE: Wednesday, Nov. 6, 1985
Thursday, Nov. 7, 1985
NUMBER OF SCHEDULES: 1-CE: Nov. 6
1-ME/EE: Nov. 7
PRIORITY SIGNUP: Tuesday, Oct. 22, 1985
REGULAR SIGNUP: Wednesday, Oct. 23, 1985

AMOCO OIL COMPANY (REFINING & TRANSPORTATION), Chicago, IL
Interviewing DECEMBER 1985 or MAY 1986 grads with BS/MS in CE, ME or EE: Project Engineering (EE, ME); Process Engineering (CE).
U.S. CITIZENSHIP REQUIRED.
G.P.A. REQUIREMENT: 3.0 and above
JOB LOCATION: Chicago, IL
INTERVIEWER: unknown
INTERVIEW DATE: Wednesday, Nov. 6, 1985
Thursday, Nov. 7, 1985
NUMBER OF SCHEDULES: MORNING ONLY - NOV. 6
MORNING ONLY - NOV. 7
MORNING SIGNUPS ONLY! 7 interview openings on Nov. 6; 7 interview openings on Nov. 7

PRIORITY SIGNUP: Tuesday, Oct. 22, 1985
REGULAR SIGNUP: Wednesday, Oct. 23, 1985

PACIFIC MISSILE TEST CTR., Point Mugu, CA
Interviewing DECEMBER 1985 or MAY 1986 grads with BS in Electrical Engineering. (Job information is not available at this time).
U.S. CITIZENSHIP REQUIRED.
JOB LOCATION: Point Mugu, CA
INTERVIEWER: unknown
INTERVIEW DATE: Thursday, Nov. 7, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Wednesday, Oct. 23, 1985
REGULAR SIGNUP: Thursday, Oct. 24, 1985

RIEDEL TEXTILE CORP., Maryville, MO
Interviewing recent grads (2-5 yrs), or DECEMBER 1985 grads with BS in ME for Project Engineer in Convenience Products Division. Convenience Products Div. of Riedel Textile Corp. manufactures disposable diapers.
U.S. CITIZENSHIP REQUIRED.
G.P.A. REQUIREMENT: 3.0

JOB LOCATION: must be flexible - will be located in Maryville, MO, while not traveling.
INTERVIEWER: Janet D. Phipps
INTERVIEW DATE: Thursday, Nov. 7, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Wednesday, Oct. 23, 1985
REGULAR SIGNUP: Thursday, Oct. 24, 1985

CECO CORP., Chicago, IL

Will interview on Thursday, Nov. 7, 1985. Information is not available at this time.

PRIORITY SIGNUP: Wednesday, Oct. 23, 1985
REGULAR SIGNUP: Thursday, Oct. 24, 1985

BUTLER MFG. COMPANY, Kansas City, MO
Interviewing DECEMBER 1985 or MAY 1986 grads with BS/MS in CE for design of steel buildings or BS/MS in Engineering Management for Industrial Engineer at fabrication plants in U.S.
U.S. CITIZENSHIP REQUIRED - fluent English
JOB LOCATION: varies within U.S.
INTERVIEWER: Dave Evers
INTERVIEW DATE: Friday, Nov. 8, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Thursday, Oct. 24, 1985
REGULAR SIGNUP: Friday, Oct. 25, 1985

CANCELLATIONS FOR WEEK OF NOV. 4-8
Dupont (Nov. 7-3)
Bechtel (Nov. 7)

ADDITIONS: WEEK OF OCT. 28-NOV. 1, 1985

ALVEY, INC., St. Louis, MO
Interviewing DECEMBER 1985 grads with BS in Mechanical Engineering for design of conveyor belts. (MAY 1986 grads may sign on overflow - will be added in if event schedule does not fill with Dec. grads).
U.S. CITIZENSHIP PREFERRED, NOT REQUIRED.
JOB LOCATION: St. Louis
INTERVIEWER: Bob Schaeffer
INTERVIEW DATE: Oct. 29, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Monday, Oct. 14, 1985
REGULAR SIGNUP: Tuesday, Oct. 15, 1985

ADDITIONS: WEEK OF OCT. 28-NOV. 1, 1985

SQUARE D, Cedar Rapids, IA
Interviewing DECEMBER 1985 or MAY 1986 grads with BS/MS in EE or Engineering Management for Mfg. (Columbia, MO or Lexington, KY) BS/MS in EE ONLY for Sales (U.S. wide)
U.S. CITIZENSHIP REQUIRED. 2.75 GPA REQUIRED!
INTERVIEWERS: unknown
INTERVIEW DATE: Friday, Nov. 1, 1985
NUMBER OF SCHEDULES: 1-EE/Mgt.
1-EE
PRIORITY SIGNUP: Thursday, Oct. 17, 1985
REGULAR SIGNUP: Friday, Oct. 18, 1985

McARTHNEY, St. Louis, MO
Interviewing DECEMBER 1985 grads with BS/CE for Project Engineer. **PERMANENT VISA REQUIRED.**
JOB LOCATION: U.S.
INTERVIEWERS: Charles Spencer and another
INTERVIEW DATE: Wednesday, Oct. 30, 1985
NUMBER OF SCHEDULES: 2
PRIORITY SIGNUP: Tuesday, Oct. 15, 1985
REGULAR SIGNUP: Wednesday, Oct. 16, 1985

GENERAL ELECTRIC WILL INTERVIEW DECEMBER 1985 and MAY 1986 GRADS - ORIGINAL REQUEST WAS FOR DECEMBER 1985 GRADS ONLY.
(G.P.A. REQUIREMENT: 2.8)
INTERVIEW OPENINGS STILL AVAILABLE FOR THE FOLLOWING DIVISIONS OF GE:
FIELD ENGINEERING PROGRAM
ENGINEERING
TECHNICAL MARKETING
MANUFACTURING MANAGEMENT
Interview dates: Oct. 16, 17, 1985

PLEASE REFER TO WEEKLY DETAIL SHEET, WEEK OF OCT. 14-18 FOR COMPLETE DETAILS.

co-op

CO-OP EMPLOYMENT

IBM CORPORATION, CHICAGO, ILLINOIS
IBM WILL HOLD AN INFORMAL INFORMATION AND SIGNUP DAY ON OCTOBER 14, 1985, IN CENTENNIAL HALL. HOURS WILL BE FROM 10:00 A.M. - 5:00 P.M.
INTERVIEW DATE WILL BE OCTOBER 15.
PRIMARY INTEREST ARE IN THE AREAS OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE BUT ALL DISCIPLINES ARE CONSIDERED ON AS NEEDED BASIS.
PRIMARY LOCATIONS ARE ENDICOTT, NY

ROCHESTER, MN AND STERLING FOREST, NY.

YOU MUST BRING 3 COPIES OF YOUR RESUME TO THE SIGNUP AREA ON OCTOBER 14.

ALL STUDENTS MUST BE REGISTERED WITH THE CO-OP OFFICE.

SPECIAL INTEREST IN CHEMICAL ENGINEERS, MET.E., AND CHEMISTRY.

IBM, KINGSTON, NY

Have several positions available for students for the spring, 1986 term.

Interviewing majors in:

Computer Science
Electrical Engineering
Engineering Management
Mechanical Engineering

Students that are interested in employment with IBM, please contact the Co-op Office as soon as possible.

IBM, GAITHERSBURG, MD

Have several positions available for students for the spring, 1986 term.

Interviewing majors in:

Electrical Engineering
Civil Engineering
Mechanical Engineering
Engineering Management
Computer Science
Math
Computer Engineering
English

Students that are interested in employment with IBM, Gaithersburg, MD, please contact the Co-op Office as soon as possible.

Classifieds

from page 10

To the fox of Sigma Nu.
Thanks for the rides home in your fine, black BMW.
-Jewelry and Tammy

Dan, the eng. Mech.,
Drinks and dancing at Bruno's!!
P.S. You have my number, remember?
-Sue

Sockratease.
Your poem was really clever
I bet you think you're quite a Greek
Well, the Senate took a vote
And we all think you're a geek!

-Tellemacuss
-I.I.
You guys sleep too much!

Dorm Slime:
Orvid J. Holtman was a Pike, not a "Piker". If you geeks can't quit your bitching we'll repossess that shoe box you call home.
-The Men at 9th and Bishop

To JC
You guys sleep too much!!
-I.I.

Denise
Have some pride!!! Happy Hayride!
-The Hayride Gang

Jim H.
Hope your injuries weren't too serious from Hayride Gang

DDM,
Thanks for making my birthday weekend so special. I didn't know it could be so good!!!
Your hum

Donna and John
Can we (you know what) with your dates?
-the Hayride Gang

Jim and EJ.
Thanks for Friday. I'll look forward to the Central West End!
-Dawn

To the Bird.
You've got to get a new date, one that will stop passing out on you at parties.
-Ben W.

Ian.
You're getting to be a veteran at these hayrides. We'll miss you next year.
-The Hayride Gang and one brown-noser.

Mike,
Thanks for a fun time. Let's do it again, next time I'll pick up the drinks.
-The trashed one
P.S. Thanks for not calling anyone piggy.

Michele knows!?
Elaine.
You're cute as a button.
-the Hayride Gang

Dear Holtman Dormbags.
Thank you for reminding all of us exactly why we joined a fraternity. By the way, there is no "r" in Pikes.
-The Men of Pi Kappa Alpha
P.S. The late Orvid J. Holtman was a Pike. Try not to discredit his name anymore than you already have.

Hohney.
I hope all your tests have gone well this week. I'm proud of you for all you do. P.S. I love you.
-Boney

To UMR Band:
Today is Clara Edward's Birthday!! Everybody be prepared to sing "Happy Birthday" in band today!

M. Howard.
P.S. Ask me what S. California, Seattle, Washington, Boulder Colorado and Spring '85 have in common. Take Care! Love Ya!
-J. Bernadette

Welcome Starduster pledges.
-From the Active sisters

Robert & Rob- Welcome to the family.
Love.
-Your Big Sis

IFC Accepts Challenge
We, the Men of Hallowed Gray, famed in lore and legend for splendid social graces and girl-

friends who weigh less than we do, do hereby accept the haughty challenge of the St. Pat's Horde (who's average member couldn't count to 21 unless he was naked) to, once again, engage in mortal combat on the Field of Peril.

It is obvious from your literary prattle that your organization is still stuck in the past, possibly as a result of de-evolution. Who else would be too unskilled in the communication arts (other than low grunts) to create a new challenge, but instead use one with remarkable similarities to last year's message.

It is time, once again, to show Virgil's Vermin that the superiority of Men over lower life forms was proven long ago by soundly thrashing the Bored at the Gray-Green Classic on Friday, October Eighteenth, Nineteen Hundred and Eight Five, at the Fraternity Row Sports Complex at 3:30 p.m.

If you Green Slimes finally collect a thought together and change your minds (??) about dueling with the Organization (which you, deep down, would like to belong to but mascons aren't allowed) just scrawl an "X" on the Hockey Puck and We, the dominating social Force, not Disease, at UMR will understand.

Your superiors in every way,
The Interfraternity Council

misc.

The Gingerbread House. a home for severely handicapped children in Rolla, needs volunteers to help with planned activities and outings with the children, fund raising for the Gingerbread House and we need you to share your skills in sewing and making decorations for the house and kids' rooms. set your own schedule and time commitment. training and orientation provided. for information call Roberta at 364-4398.

For Sale: 1975 VW Rabbit. Good mechanical condition. Runs good. \$800. Call 364-7218 evenings only.

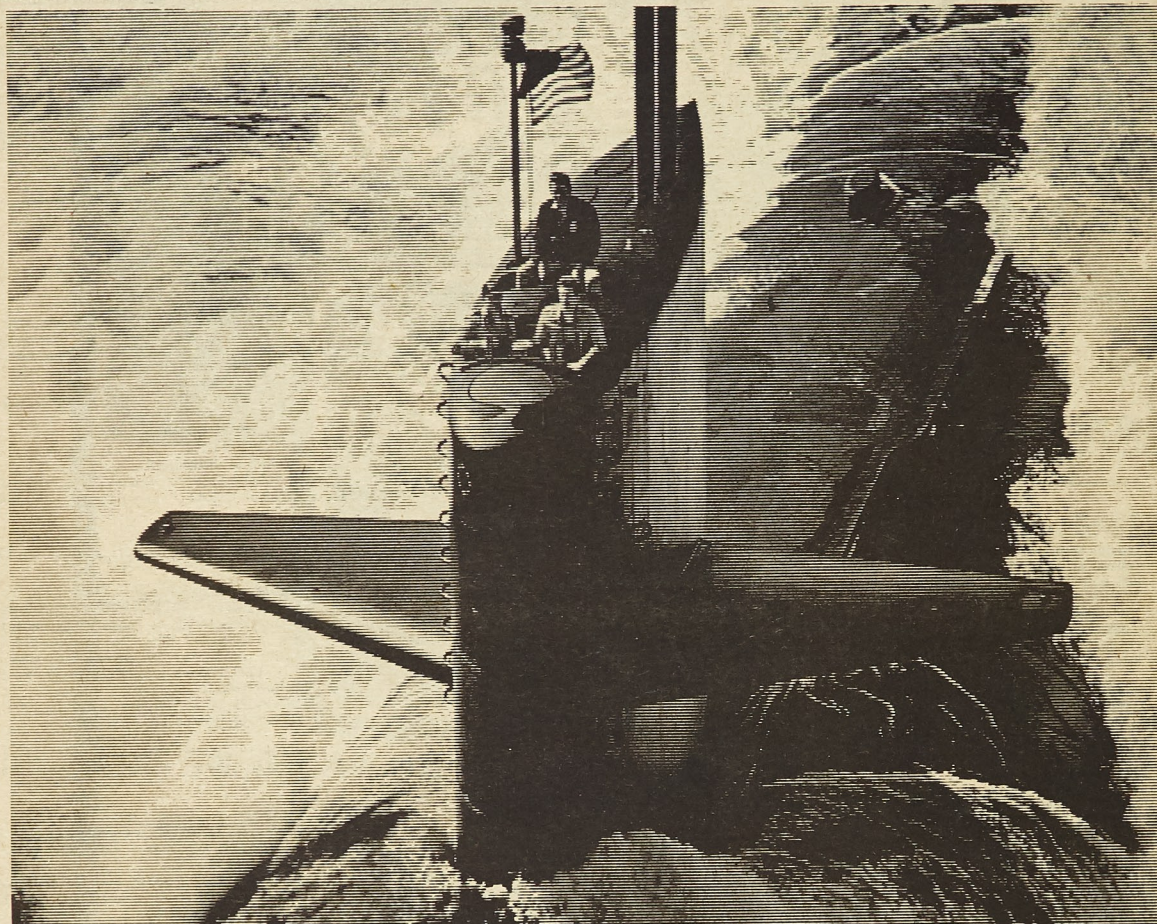
Bike for Sale: Shwinn Continental II 24" frame, touring accessories. \$100 or best offer. Call Tim at 364-0884.

For Sale: HP-41CV calculator with 275 page "Owners Handbook and Programming Guide". \$130. Call Steve at 364-7949.

Marketing Company seeks individual to work 1-2 days week assisting students applying for Credit Cards. Earn \$30-50 day. Call 1-800-932-0528.

Type it yourself and make it look great!

Why trouble with white-out or moan over a dot matrix printer with a weak ribbon when you can use the UMR Laser Printer. Because you don't understand the system?? No excuse. The Complete Guide to the Laser Printer is on sale now at both bookstores for the one-time cost of only \$3.20.



THE NUCLEAR NAVY. RIDE THE WAVE OF THE FUTURE.

You're deep under the sea. There are 4600 tons of nuclear-powered submarine around you. Your mission - to preserve the peace.

Your job - to coordinate a practice missile launch. Everything about the sub is state-of-the-art, including you.

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In the nuclear Navy, you learn quickly. Over half of America's nuclear reactors are in the Navy. And that means you get hands-on experience fast.

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Then, whether you're in the

Mediterranean, the Pacific or the Atlantic, wherever you move around the world, you'll be moving up in your career and in the Navy.

Find out more about an exciting future that you can start today.

See your Navy Recruiter or
CALL 800-327-NAVY.

NAVY OFFICERS GET RESPONSIBILITY FAST.

The Green is here!

by Troy Leitschuh

As you may or may not know, the St. Pat's Board has once again started selling St. Pat's Green. These sales are conducted everyday from 8:30 a.m. to 3:30 p.m. in the Hockey Puck area. All items this year feature an original St. Pat's '86 design and are of the highest quality. Eighty-six Green makes great souvenirs and also great presents. Remember Christmas is only 78 days away so get some of that shopping done now.

The following items will be on sale this year at their respective prices*:

Sweatshirts	11.50
Sweatpants	11.50
Beer Glasses	2.50
Tumblers	2.50
Shot Glasses	1.50
Huggers	2.00
Baseball Caps	3.50
Buttons	1.00
Garters	1.00
Children's Sweatshirts	9.50
Beer Buckets	2.50

*Prices subject to change without notice. Get psyched for the Best St. Pat's Ever St. Pat's 1986. Only 155 days away.