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The Missouri Miner, September 02, 1987

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New UMR faculty members Announced

Source: News and Publications

Several new instructors, lecturers and professors at the University of Missouri-Rolla were introduced at the general faculty meeting held Tuesday, Aug. 25, on campus.

Among those becoming members of the UMR faculty were:

Serge Abrate, assistant professor of aerospace engineering. Abrate received a Diplôme d'Ingenieur from l'Ecole Nationale Supérieure des Arts et Métiers, Paris, France (mechanical engineering degree), a M.S. degree in applied mechanics and a Ph.D. in aeronautics and astronautics from Purdue University.

Daniel Armstrong, professor of chemistry. Armstrong received a B.S. degree in inter-departmental sciences and mathematics from Washington and Lee University, Lexington, VA, a M.S. degree in chemical oceanography and Ph.D. degree in chemistry from Texas A&M University.

Travis Boulware, instructor in physical education and recreation, assistant football coach and assistant track coach. Boulware holds an A.A. degree in pre-education from Chowan Junior College, Murfreesboro, NC, a B.S. degree in physical education from Tennessee Tech University at Cooks-

ville, Tenn., and a M.S. degree in health and physical education from the same institution.

Jeffrey Cawfield, assistant professor of geological engineering. Cawfield received a B.S. degree in civil engineering from Washington State University and M.S. and Ph.D. degrees in the same field from the University of California-Berkeley.

Shirley N.C. Cheng, assistant professor of electrical engineering at the UMR Graduate Engineering Center in St. Louis. Cheng received a B.S. degree in electronics from the Chinese University of Hong Kong, a M.Eng. degree in bio-medicine from the University of Virginia, and M.S. and Sc.D. degrees in electrical engineering from Washington University in St. Louis.

Stephen Clark, assistant professor of mathematics and statistics. Clark holds a B.A. degree in mathematics from the College of Wooster, Wooster, Ohio, a M.S. degree in mathematics from the University of Illinois, and a Ph.D. in the same field from the University of Tennessee.

Thomas Forbush (Sergeant Major), chief instructor in military science (Army ROTC).

David Geary, assistant professor of psychology. Geary received a B.S. degree in psychology from the University of Santa Clara, Santa Clara, Calif., a M.S. degree in clinical child/school psychology from California State University, Hayward, and M.S. and Ph.D. degrees in developmental psychology from the University of California, Riverside.

Gene Haertling, professor of ceramic engineering from UMR and M.S. and Ph.D. degrees in the same field from the University of Illinois.

Merle Hoskins (Major), assistant professor of military science (Army ROTC). Hoskins received a B.S. degree in criminal justice from Eastern Kentucky University and a M.S. degree in business management from Boston University.

John Huguley (Lieutenant Colonel), chairman, aerospace studies (Air Force ROTC). Huguley received a B.A. degree in secondary education at the University of South Carolina, a M.Ed. degree in student personnel services from the same institution and Ph.D. in higher education administration from Bowling Green State University.

Gary Leininger, director of UMR's Intelligent Industrial Systems Program and professor of electrical engineering. Leininger received B.S., M.S. and Ph.D. in electrical engineering from The State University of New York at Buffalo.

Julie LeVeck, instructor in physical education and recreation, head softball coach and assistant women's basketball coach. LeVeck received a B.S. degree in physical education from Ohio University, Athens.

Paula Lutz, assistant professor of life sciences. Lutz holds a B.S. in chemistry from UMR and a Ph.D. degree in microbiology and immunology from Duke University, Durham, N.C.

Michael Marcus, lecturer in engineering graphics. Marcus received a B.S. degree in aerospace engineering from UMR and a M.S. in mechanical engineering from UMR.

Scott Miller, teaching associate in metallurgical engineering. Miller holds B.S. and M.S. degrees in physics from The Ohio State University, Columbus, Ohio.

Joseph Newkirk, assistant professor of metallurgical engineering. Newkirk

received B.S. and M.S. degrees in physics from Miami University and a Ph.D. degree in material science from the University of Virginia.

Dennis Perry, assistant professor of English. Perry holds B.A. and M.A. degrees in English literature from Brigham Young University and a Ph.D. degree in colonial American literature from the University of Wisconsin at Madison.

Don Stringfellow, instructor in physical education and recreation, assistant basketball coach and tennis coach. Stringfellow holds an A.A. degree in liberal arts from Forest Park Community College and a B.A. degree in sociology from Appalachian State University in Boone, N.C.

Phillip Wicklein, lecturer in geological engineering. Wicklein received a B.S. degree in agriculture from the University of Missouri-Columbia and a M.A. degree in geology from the same institution.

Fannie Woods (Captain), assistant professor of aerospace studies (Air Force ROTC). Woods holds a B.A. degree in business management from Park College in Parkville, MO, and a M.A. in human resources from Webster University in St. Louis.

Meyers appointed Director

Source: News and Publications

Dr. Donald D. Myers, associate professor of engineering management at the University of Missouri-Rolla, has been named director of Research Services in the UMR Office of Graduate Study. The appointment is effective Sept. 1.

This newly established three-quarter time position at UMR was created as a result of recommendations made by the "Committee to Improve the University of Missouri," (Knight Commission). The committee recommended that "all project-specific activities associated with grants and contracts with outside agencies move to the campuses."

According to Dr. Harry J. Sauer, Jr., dean of Graduate Study at UMR, the primary responsibility of the director of Research Services will be to facilitate and encourage grant and contract endeavors of UMR faculty and staff.

"I am very pleased that Dr. Myers has been appointed to serve in this position," Sauer said. "With his many accomplishments and honors as a fac-

ulty member at UMR I anticipate that the quality service he will be able to provide to UMR faculty and staff will be of great assistance to them in their research activities."

Myers, who joined the UMR faculty in 1980, holds B.S. and M.S. degrees in mechanical engineering from UMR and M.B.A. and J.D. degrees from St. Louis University.

He has served as executive director of the Missouri Corporation for Science and Technology and science advisor to the governor. Myers also has served as patent development officer of the University of Missouri.

Myers, who is a Wilfred L. White Fellow of the International Council for Small Business (ICSB), served as president of ICSB in 1986-87.

He also served as branch manager at McDonnell Douglas Corporation for Technology Licensing and as a contract specialist. Myers held a summer appointment in 1986 to the U.S. Senate's Commerce, Science and Transportation Committee.

Haertling joins Materials Research Center

Source: News and Publications

Dr. Gene Haertling, vice president of the technical staff and manager of the Ceramics Research Department, Motorola, Inc., Albuquerque, N.M., has been named a senior research investigator in UMR's Graduate Center for Materials Research at the University of Missouri-Rolla.

Haertling, who also will be a professor of ceramic engineering, received his B.S. degree in ceramic engineering from UMR in 1954.

"I am delighted that Dr. Haertling will be joining the UMR faculty," said Dr. Delbert E. Day, Curators' Professor of ceramic engineering and direc-

tor of UMR's Graduate Center for Materials Research. "He has made significant achievements in the area of electronic ceramics and his experience and accomplishments will greatly enhance and expand our teaching and research efforts in the field of electronic materials, particularly in the area of processing."

Haertling received his M.S. and Ph.D. degrees in ceramic engineering from the University of Illinois in 1960 and 1961, respectively.

Prior to receiving his M.S. and Ph.D. degrees, Haertling served with

the United States Army Ordnance, working on military electronics. He also served with Sandia Laboratories where he researched ferroelectrics, antiferroelectrics and piezoelectrics.

In 1973, Haertling founded Optoceram, Inc., a company which produced electrooptic ceramic materials and devices. He also served as a research manager in the area of electrooptic devices for Motorola, Inc.

While at UMR, Haertling plans to continue his research interests in sensor and microwave applications and in superconducting ceramics.

Student Council Services Summerized

Submitted by Kevin Gibson

StuCo Public Relations Chairman

Student Council would like to welcome all incoming freshmen, transfer students, and everyone else back from break. In the next few months, Student Council will try to keep the public more informed on the council's purposes and goals, and on upcoming events on campus.

As a summary of the council's obligations, we aid and handle all matters pertaining to campus organizations and keep an updated booklet of the clubs' duties and purposes. Investigations are made on any complaints brought before the council that may improve the university. StuCo conducts open forums on pertinent student issues. One such forum was held last semester on student activity fees. StuCo also provides services such as

the organization and promotion of the Red Cross blood drive, which is held throughout the academic year. We handle the faculty evaluation and assessment of the student activities fees. In addition, the council promotes student and education issues in government by lobbying, letter drives, and voter registration.

Student Council would like to welcome all students to serve on a variety of campus-wide committees, which include the Academic Council, Student Affairs Committee, and many more important committees. Please express your ideas and suggestions by serving on these committees or by dropping them in the "Bitch Box" located in the lobby of library. For an application and a description of these committees stop by the Student Council

office located in University Center-West.

In the future, StuCo is planning on providing students with new discount coupons from a variety of Rolla area merchants. These new discounts will be more apt to serve the students' needs than those in the past. Also on the brighter side, student will not have to purchase city stickers for their motor vehicles this semester. The city decided to disband this practice.

In closing, the Student Council would like to remind organizations to elect a representative for this semester as soon as possible. For upcoming events and announcements be sure to check the Miner, the University Center-West showcase (located by the Hockey Puck), or call the Student Council office at 341-4280.

Blue Key applications available

Submitted by Blue Key

Blue Key is now accepting applications for Fall 1987 pledging. Applicants should be students of good character who have demonstrated leadership capabilities in their extracurricular activities. Applicants must also meet the following membership requirements:

- Sixty completed credit hours

- Cumulative GPA of 2.75
 - Forty Blue Key leadership points. (For details call for an application.)
- Blue Key National Honor Fraternity is an honorary which not only recognizes campus leaders for their outstanding accomplishments, but is

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calendar of events

University of Missouri-Rolla CALENDAR OF EVENTS 1987-88 Academic Year

(Since this calendar is prepared far in advance, some dates are tentative and may change. Call the Office of News and Publications 314/341-4328 for verification.)

Fall Semester, 1987

Freshman Orientation	Tuesday, Aug. 18
New Student Orientation	Wednesday, Aug. 19
Student Registration 8:15 a.m.-4:30 p.m.	Thursday, Aug. 20
Registration ends 12 noon	Friday, Aug. 21
Classwork begins 7:30 a.m.	Monday, Aug. 24
*UMR Film Series, "Raising Arizona"	Thursday, Sept. 3
Labor Day Holiday	Monday, Sept. 7
*UMR Film Series, "Crossroads"	Thursday, Sept. 10
Campus Performing Arts (Lyceum Theater) 8 p.m.	Thursday, Sept. 10
UMR Film Series, "Crossover Dreams"	Thursday, Sept. 17
Industry Day	Tuesday, Sept. 22
USAF Band and Singing Sergeants 7 p.m.	Wednesday, Sept. 23
*UMR Film Series, "El Amor Brujo"	Thursday, Sept. 24
*UMR Film Series, "Round Midnight"	Thursday, Oct. 1
*UMR Film Series, "Sullivan's Travels"	Thursday, Oct. 8
Homecoming	Friday-Saturday, Oct. 9-10
UMR Jazz Band Concert, Cedar Street Center	Sunday, Oct. 11
Campus Performing Arts (Los Angeles Piano Quartet) 8 p.m.	Tuesday, Oct. 13
*UMR Film Series, "Sherman's March"	Thursday, Oct. 15
Student Council Free Day (students - no classes)	Friday, Oct. 16
Mid-semester	Saturday, Oct. 17
*UMR Film Series, "After the Rehearsal"	Thursday, Oct. 22
Parents' Day	Saturday, Oct. 24
Humanities-Social Sciences Day	Wednesday, Oct. 28
*UMR Film Series, "Secret Honor"	Thursday, Oct. 29
National Merit Day	Friday, Oct. 30
University Day	Saturday, Oct. 31
*UMR Film Series, "84 Charing Cross Road"	Thursday, Nov. 5
University Theatre-UMR, Cedar Street Center	Friday-Saturday, Nov. 6-7
*UMR Film Series, "Children of a Lesser God"	Thursday, Nov. 12
University Theatre-UMR, Cedar Street Center	Friday-Saturday, Nov. 13-14
UMR Orchestra, Centennial Hall	Sunday, Nov. 15
Campus Performing Arts (Guy Carawan) 8 p.m.	Tuesday, Nov. 17
*UMR Film Series, "Playtime"	Thursday, Nov. 19
Society of Scots Show and Dinner	Saturday, Nov. 21
UMR Jazz Band Concert, Cedar Street Center	Sunday, Nov. 22
Thanksgiving Vacation begins 7:30 a.m.	Wednesday, Nov. 25
Thanksgiving Vacation ends 7:30 a.m.	Monday, Nov. 30
*UMR Film Series, "Veronika Voss"	Thursday, Dec. 3
Madrigal Dinners, Centennial Hall	Friday-Saturday, Dec. 4-5
UMR Choir, Centennial Hall	Sunday, Dec. 6
*UMR Film Series, "Pirates of Penzance"	Thursday, Dec. 10
Madrigal Dinners, Centennial Hall	Friday-Saturday, Dec. 11-12
Last Class Day	Friday, Dec. 11
Reading Day	Saturday, Dec. 12
Final Examinations begin 8 a.m.	Monday, Dec. 14
Final Examinations end 5:30 p.m.	Saturday, Dec. 19
Fall Semester closes 5:30 p.m.	Saturday, Dec. 19
Fall Commencement	Sunday, Dec. 20
*UMR Film Series Thursdays, Sept. 3-Dec. 10, 7:30 p.m.	Miles Auditorium, Mechanical Engineering Building

Managing Editor's Note: It's almost here! "The Far Side"

will be returning to the Miner next week.

Thursday

Physics colloquium, "Single Atom Spectroscopy." David J. Wineland, National Bureau of Standards, 4 p.m., 104 Physics. Free.

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

Toastmasters International meeting at 4:30 p.m. G-9 H-SS. Everyone welcome.

Sunday

Webber Well Dedication ceremony, 2 p.m. Rock Mechanics and Explosives Research Center Facility.

Monday

Official University holiday. Offices will be closed. No classes.

GDI Governor's meeting at 6:15 in the Maramec Room. Anyone interested is welcome to come.

Tuesday

Beta Chi Sigma meeting, 7 p.m., ME 118. Beta Chi Sigma is a Scouting service fraternity and new members are always welcome.

Chancellor Martin C. Jischke will hold a "Brown Bag Lunch," noon to 1:30 p.m. in the Silver and Gold Room, University Center-East. Bring your own lunch; coffee, tea and soda will be provided. Topics of your choice will be discussed. Faculty, staff, students, alumni and friends are welcome.

\$ financial aid \$

The Dr. Robert H. Goddard Scholarship. The National Space Club will award a \$7,500 scholarship for the academic year 1988-89. The scholarship is in memory of Dr. Robert H. Goddard, America's rocket pioneer. The award is given to stimulate the interest of talented students in the opportunity to advance scientific knowledge through space research and exploration. The 1988 Award Winner will be introduced to the nation's leaders in science, government and industry at the Goddard Memorial Dinner to be held March 18, 1988. The National Space Club will pay travel and lodging costs so that the Winner will be able to attend the Dinner.

The terms of the scholarship are as follows:

1. The applicant must be a U.S. citizen, in at least the junior year of an accredited university, and have the intention of pursuing undergraduate or graduate studies in science or engineering during the interval of the scholarship.
2. The selection for the award is made by the NSC Committee on Scholarships on the basis of the following: a. Official transcript of college record; b. Letters of recommendation from faculty; c. Accomplishments demonstrating personal qualities of creativity and leadership; d. Scholastic plans that would lead to future participation in some phase of the aerospace sciences and technology; e. Proven past research and participation in space related science and engineering; f. Personal need is considered, but is not controlling.
3. Applicants should apply by letter and provide the necessary data requested in a, b, c, d, e and f above no later than **January 15, 1988**, to: National Space Club, Goddard Scholarship, 655 15th St. N.W., Suite 300, Washington, DC 20005. Mr. Stephen E. Dwornik is the chairman of the Scholarship Committee.
4. Upon final completion of his or her work, the

Winner may be asked to prepare a brief report on a topic of his or her selection to be presented to the National Space Club.

5. The successful applicant for the scholarship will be notified on or before March 1, 1988. Unsuccessful applicants will not be individually notified.

Funds awarded are paid to the Winner through his or her university before the new academic year begins. The Winner is eligible to compete for a second year if the circumstances and his or her accomplishments are warranted.

Knights Templar Education Loan Foundation.

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

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

Qualifications for Loans: 1. Must be Missouri resident; 2. Must be 3rd or 4th year student (can be graduate student); 3. Must furnish two guarantors or co-signers (Missouri residents).

How to Apply: Obtain application and instructions from: Bruce H. Hunt, Secretary-Treasurer, P.O. Box 188, Kirksville, MO 63501.

Income Contingent Loan Program. The University of Missouri-Rolla is one of 10 colleges and universities to issue the first federal loans with paybacks tied to a student's future income. Features of this loan pilot program include:

Eligibility Requirements: Available to students who do or do not have a demonstrated financial need. An ACT Family Financial Statement must be completed to determine eligibility. Available to U.S. citizens and permanent residents only. Available to undergraduates only. Must be at least half-time enrolled.

Annual Maximum Loan Amounts: \$2500 for a freshman or sophomore; \$3500 for a junior; \$4500 for a senior or fifth year student.

Interest: A variable rate based upon the equivalent rate of the 91 day treasury bills for the quarter ending September 30 of the preceding calendar year plus 3 percent. Will start to accrue the day the students receives the funds. Unpaid interest is added to the principal annually. Recommended that student pays interest on a monthly or quarterly basis.

Repayment: Begins 9 months after students ceases to be enrolled at least half-time and will be based on percentage of opening ICL balance, not to exceed 7 percent. Future payments would then be based upon the student's (and spouse) adjusted gross income on the most recent federal income tax return. (Payments will be no more than 12 percent of the adjusted gross income.)

To inquire about receiving funds under this loan pilot program, contact UMR's Student Financial Aid Office, 106 Parker Hall, Rolla, MO 65401-0249. The phone number is (314) 341-4282.

Missouri Miner

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

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

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

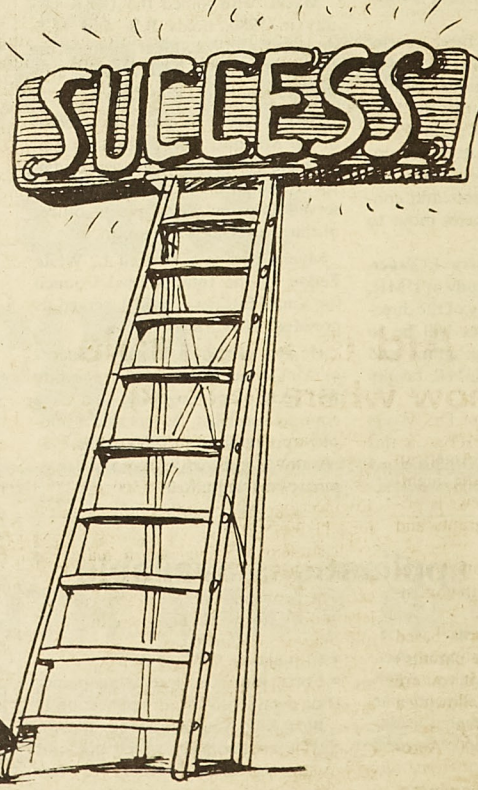
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comments

Brown Rolla's new Hero

By Mark Buckner
Staff Writer

First, I want to thank Jim Harter for giving me the opportunity to do this column. In the past, I have written numerous sports articles for the Miner and will continue to do so, but I've never written a news article until now.

By now, I'm sure all of you have heard of John David Brown, and of all the developments which occurred during the manhunt that turned out to be about as long as Paul Molitor's hitting streak. Even UMR became involved in the manhunt when it was thought that Brown was in the Civil Engineering building making a phone call. In the end, it was determined that Brown wasn't on campus.

Just over a week ago, at a special hearing held in the Phelps County Courthouse, Brown achieved a major victory that I seriously question. Peter Sterling, Brown's attorney, got a motion sustained to transfer Brown to the Phelps County Jail pending trial. Brown had been staying in a maximum security cell at the state penitentiary.

It seems to me that these days, more and more criminals are escaping from county jails, and that Brown might become the next to do it.

Sterling, who is from Rolla, said he wanted Brown moved here in order to have more visitation rights with Brown. I can see Sterling's point, but

I don't think Brown should be allowed to move to the county jail just for that as well as travel distance for the lawyer to Jefferson City. From Rolla, it takes just over an hour to get to the state penitentiary. An hour goes by quickly.

For the record, Brown is charged with the first-degree murder of Claude Long, first-degree burglary, and armed and criminal action; all the evidence points toward Brown on all charges.

Telling John David Brown that he can spend the remainder of his time before the trial—which probably won't occur until next spring—in Rolla is like telling Dennis Bulloch that he can walk out on the St. Louis streets and

innocent man, which actually did happen although briefly, and collect on his wife's inheritance. Bulloch is the man who killed his wife in a sexual bondage act that just kept evolving into a soap opera story.

Many people, including myself, thought Brown would stay in the state penitentiary because of security reasons. I think it is safe to say there are more security people at the state prison than there are officers from the Phelps County Sheriff's Department. The Phelps County Jail isn't very big and there aren't any enclosed fences around the jail.

Remember, this is the county where the manhunt was focused and police

officers from all over the state could not catch him. After a month, officers gave up due to fatigue, frustration, and the fact that it became the most expensive manhunt in the state's history (\$3 million).

Phelps County Sheriff Tom Pasley thinks there will be no problems with Brown in the Phelps County Jail. I sure hope Pasley isn't treating Brown as though he's just another ordinary criminal doing time and believing nothing will go wrong. But I sense he may be doing that.

Some people considered Brown a "hero" because he was able to elude police for so long, but this same man has done many wrong things. Anyone who considers Brown a "hero" must be in trouble with the law himself.

Drug Testing Questioned

By Jim Harter
Editor-in-Chief

The year 1987 is having a historical impact on our society. Guys on Capitol Hill are trading weapons to terrorists for money and act like Robin Hood in the middle of Latin America. The media began to cover our presidential hopefuls in the biblical sense. The BULL market is reaching record highs on Wall Street. Finally drug testing seems to be the answer for a more efficient and productive tomorrow as the prohibition of marijuana marks its golden jubilee, short hair, DINK's (Double Income, No Kids), and the Moral Majority are in. More important, this new drug testing craze is creating an Age of Chemical McCarthyism, and in today's conservative society everyone seems to be jumping on the bandwagon.

There is an alternative to drug testing. "Public education" can work, and tobacco is a good example. In 1965, 43 percent of the population smoked. Twenty years

of informative education later, only 32 percent smoke. Most people have tunnel vision when it comes to the topic of drugs; particularly marijuana. The most common lethal drugs—alcohol and tobacco—are rarely, if ever, part of urine drug screening programs. Yet urine drug screening is like all tests in that not every result can be guaranteed correct. Today's philosophy on combating the growing drug dilemma is to use force the medieval way. An international drug-smuggling consortium that costs us over \$4 billion annually to combat still allows 90 percent of foreign drug shipments to get through to the United States.

NORML (National Organization for the Reform of Marijuana Laws) is an organization that seems to be overcoming the conservative obstacles it faces. This organization is concerned with educating the public about marijuana, marijuana laws, and the effect they have on society. No one favors drug abuse, but society should be informed

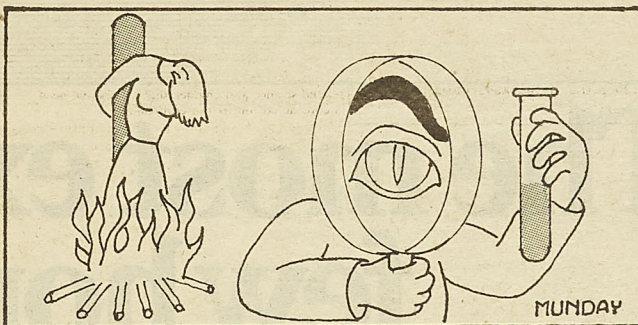
with the facts.

Under President Reagan, marijuana has become the second-most-valuable farm crop in the United States, trailing only corn. More than thirty million Americans use mari-

ent type of organized crime.

Five million people have been arrested within the last fifteen years, equivalent to one every two minutes. In 1982, 455,000 persons were arrested on marijuana charges and

North Carolina, Ohio, and Oregon. When prohibition was enacted, only 50,000 people had tried marijuana; today over 60 million have. The sales of illegal marijuana have increased in value from \$50 million in 1965 to \$30 billion in 1985, and have cost the taxpayer over \$1 billion annually to prosecute and jail marijuana offenders.



juana each year, more than the number over the age of 65. The law-enforcement approach not only fails to stop marijuana use, but traffickers become rich as they benefit from tremendous tax-free, black market profits. Scarface has replaced Al Capone with a differ-

200,000 for rape, robbery, and murder combined. I think someone needs to get their priorities straight!

Eleven states have decriminalized possession; Alaska, California, Colorado, Maine, Minnesota, Mississippi, Nebraska, New York,

I feel drug testing is highly unconstitutional. Without a probable cause there should be no need to invade one's privacy. A person's job, reputation, and respect may rest on the results of a urine test. Maybe the guilty should be forced to wear a Scarlet Letter, or worse, be placed on a blacklist. The "WE" generation of the sixties has given way to the "ME" generation of the eighties, where YUPPIE spells success. Whether marijuana should be legalized or not, certain measures will have to be considered in its regulation. As for drug -testing it affects everyone. About a quarter of the Fortune 500 companies already have on-the-job drug testing. Careers will be terminated because of a bio-medical fad.

Financial Aid is Available (if you know where to look)

Source: Financial Aid Finders

College is part of the American Dream. But then comes the nightmare of costs. The good news is private source scholarships, grants and loans.

Your eligibility for private source awards has nothing to do with government financial aid.

You are eligible for awards based on factors in your (or your parents') background. For example, if you are an undergraduate student, following a specific field of college study:

—You are eligible for \$7,500. Aerospace. (1/1; junior/senior.)

—You are eligible for varying \$ awards if a relative worked in dog industry. Animal behavior/zoology. (12/15.)

—You are eligible for \$2,000. Business Admin. (2/28; US citizen.)

—You are eligible for \$200-\$500. Civil Engineering. Essay competition. Senior. (11/30.)

All students are eligible for many awards from the many private sources. The problem is not, "Is there college money for me?" (There are literally billions available!)

The problem is, "How can I know all I am eligible for?" There are so many sources!

The Private Source College Money Catalog lists awards open to high school, undergraduate, graduate, and post-graduate students, and for overseas study. For the catalog send \$1 to: Financial Aid Finders, 77 Gristmill Rd, Randolph, NJ 07869.

letters to the editor

Dear Editor,

After reading last week's article on UMR's parking facilities, the anger I felt about the situation rose. This summer, while purchasing my yearly gold lot sticker, which I feel is too expensive, I was informed lot 4, another gold lot, would be closed next spring. Lot 4 is across from the Chemical Engineering building. It contains over one hundred parking spaces. The proposed plan to accommodate some of the influx next spring is to play musical lots, turning silver lots to gold ones and gold lots to red. This is also the solution the university used when it began construction on

McNutt Hall. They closed down two large lots and added only one to replace them. After this there has arisen a serious parking problem. Anyone who drives to campus will say the same thing.

It seems to me the solution is simple, add more lots. There is ample space on the west side of State Street. There are also two unused university buildings which can be taken down to provide the space along State Street. Harris Hall has space on the west and north sides, why not add a lot there? Also, on the north side of the management building there is plenty of space to put in a lot and not have to

change any of the other lots over to red. Sure, there are problems with this idea, but after investing \$36 a year for 2 years on parking, I think the P, S, & T committee should come up with a better solution than playing musical lots.

Jamie Lambing

Managing Editor's note: It has been our policy to print all letters to the editor that we receive, regardless of content. In keeping with this policy, please include your name, student number, and a phone number where we can reach you to verify your letter. Thank you.



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placement

SIGNUPS AND RESUME PRESCREENING

LOCATED: Ground Level (G-5), Buehler Building, 9th & Rolla St.
(Use DOOR ON SOUTHEAST CORNER by Center Bank Drive-up).
HOURS: 7:45 to 11:30 a.m.
1:00 to 4:15 p.m.

PRESCREENED INTERVIEWS

HONEYWELL SPERRY

P.O. Box 9200
Albuquerque, New Mexico 87119

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS in Electrical Engineering
POSITION: Design, development electrical engineer
LOCATION: Albuquerque, New Mexico
U.S. CITIZENSHIP REQUIRED
DECEMBER 1987 GRADS ONLY
MIN. G.P.A. 3.0

*RESUME TURN IN DATE: Tuesday, Sept. 1, 1987
INTERVIEW DATE: Monday, Sept. 21, 1987

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

NOTE: DEADLINE FOR RESUMES TURNED IN TO HONEYWELL SPERRY WILL BE: 11:00 a.m. FRIDAY, SEPT. 4, 1987.

U.S. ARMY CORPS OF ENGINEERS

601 E. 12th Street
Kansas City, MO 64106-2896

NUMBER OF SCHEDULES: 1
MAJORS: Civil (Structural, Environmental/Sanitary, Planning), Engineering Management (Construction) Geotechnical (Hazardous Waste)
POSITION: Rotational training program
LOCATION: Kansas City, MO. One field assignment for approx. 3 to 6 months
U.S. CITIZENSHIP REQUIRED
2.0 G.P.A. for GS-5 level; 2.9 G.P.A. for GS-7 level
DECEMBER 1987 GRADS

AN INFORMATION MEETING WILL BE HELD SEPT. 21, 1987, G-3, ChE FROM 7-9 P.M.
REQUEST THAT APPLICANTS HAVE APPLICATION FOR FEDERAL EMPLOYMENT (SF 171) COMPLETED AND PROVIDE A COPY OF CURRENT TRANSCRIPT AT TIME OF INTERVIEW.

*RESUME TURN-IN DATE: Tuesday, September 1, 1987
INTERVIEW DATE: Tuesday, September 22, 1987

ALLIED BENDIX

P.O. Box 419159
Kansas City, MO 64141-6159

NUMBER OF SCHEDULES: 1 ea day
MAJORS: BS in EE, ME; MS in EE, ME; BS in Comp Sci
POSITION: Engineer (Associate)
LOCATION: Kansas City
U.S. CITIZENSHIP REQUIRED
2.5 G.P.A.
DECEMBER 1987 GRADS

*RESUME TURN-IN DATE: Wednesday, September 2, 1987
INTERVIEW DATES: Wednesday, Sept. 23; Thursday, Sept. 24, 1987

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

NOTE: DEADLINE FOR RESUMES TURNED IN TO U.S. ARMY CORPS OF ENGRS. & ALLIED BENDIX WILL BE: 11:00 a.m. FRIDAY, SEPT. 4, 1987.

3M COMPANY

3M Center, Bldg. 224
Staffing Dept.
St. Paul, MN 55144

NUMBER OF SCHEDULES: 1 ea day
MAJORS: BS in Chemical, Electrical, or Mechanical Eng.
POSITION: R&D, Process Eng., Mfg., Proj. Eng., Design, Plant Eng.
LOCATION: St. Paul, Mn; Austin, TX; and mfg. plant sites throughout the U.S.
U.S. CITIZENSHIP OR PERMANENT RESIDENCY REQUIRED
3.0 G.P.A. REQUIRED
DECEMBER 1987 or MAY 1988 GRADS

*RESUME TURN-IN DATE: Wednesday, September 2, 1987
INTERVIEW DATES: Wednesday, Sept. 23; Thursday, Sept. 24, 1987

ROCKWELL INTERNATIONAL

2230 East Imperial Hwy.
El Segundo, CA 90245

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS in Electrical Engineering
POSITION: Members of technical staff
LOCATION: So. California; Atlanta, GA; Cedar Rapids, IA; Downers Grove, IL; Dallas, TX; Salt Lake City, UT

U.S. CITIZENSHIP DUE TO DOD SECURITY CLEARANCE REQUIREMENTS
DECEMBER 1987 grads
STUDENTS ARE REQUESTED TO PROVIDE ROCKWELL WITH UNOFFICIAL TRANSCRIPT

*RESUME TURN-IN DATE: Wednesday, September 2, 1987
INTERVIEW DATES: Wednesday, Sept. 23; Thursday, Sept. 24, 1987

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

NOTE: DEADLINE FOR RESUMES TURNED IN TO 3M COMPANY AND ROCKWELL INTL. WILL BE: 11:00 a.m. FRIDAY, SEPT. 4, 1987.

UNITED STATES GYPSUM COMPANY

1115 Armour Road
N. Kansas City, MO 64116-3783

NUMBER OF SCHEDULES: 2
MAJORS: BS in ME, ChE, Eng. Mgt., CE or Mining Engineering
POSITION: Open: Candidates must be open to geographic relocation
LOCATION: Open
U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED
2.8 G.P.A. REQUIRED
DECEMBER 1987 or MAY 1988 GRADS

*RESUME TURN-IN DATE: Wednesday, Sept. 2, 1987
INTERVIEW DATE: Wednesday, Sept. 23, 1987

EXXON COMPANY

P.O. Box 2180
Houston, TX 77001

NUMBER OF SCHEDULES: 2 ea day
MAJORS: BS/MS in ChE, ME, PE, Geol., Mining Engineering
POSITION: Engineering assignments in production, marketing, refining, chemical operations, mfg, systems & R&D nationwide - predominately Texas & Louisiana
LOCATION: U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED
PREFER "B" G.P.A. OR ABOVE
DECEMBER 1987 or MAY 1988 GRADS

*RESUME TURN-IN DATE: Thursday, Sept. 3, 1987
INTERVIEW DATES: Thursday, Sept. 24, Friday, Sept. 25, 1987

NOTE: STUDENTS SHOULD BRING COMPLETED EXXON APPLICATION AND COPY OF TRANSCRIPT TO INTERVIEW. (OBTAIN TRANSCRIPT FROM REGISTRAR'S OFFICE)

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

NOTE: DEADLINE FOR RESUMES TURNED IN TO US GYPSUM WILL BE: 11:00 a.m. FRIDAY, SEPT. 4, 1987

TEXAS EASTMAN

Div. of Eastman Kodak
P.O. Box 7444
Longview, TX 75607

NUMBER OF SCHEDULES: 1 (ChE); (1) Eng. Mgt.)
MAJORS: BS/MS in Chemical Eng. or Engineering Management
POSITION: ChE: Process improvement & development, pilot plant operations, engr. research, tech. services, project eng., plant design, instrument eng., product dev. Must have good interpersonal skills. Eng. Mgt.: Inventory control, human factors, prod. planning & scheduling, materials handling, staff studies, etc. Work results in reduced costs and improved productivity. Systems & Computer Services: Design & implementation of computer applications in areas of business information, scientific & engr. systems. Note: Company empl. 2600; wide variety of chemicals plastics. No layoffs in history of company.

LOCATION: Longview, TX
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED.
3.0 G.P.A. PREFERRED
DECEMBER 1987 OR MAY 1988 GRADS
NOTE: READ COMPANY LITERATURE PRIOR TO INTERVIEW. (Will be available at time of signups.)

*RESUME TURN-IN DATE: Thursday, Sept. 3, 1987
INTERVIEW DATE: Thursday, Sept. 24, 1987

RALSTON PURINA COMPANY (Grocery Prod. Division)

P.O. Box 3588
Davenport, IA 52808

NUMBER OF SCHEDULES: 2 ea day
MAJORS: BS in Mechanical, Engineering Management or Chemical Engineering
POSITION: Management Project Engineer
LOCATION: Davenport, IA and relocation USA
U.S. CITIZENSHIP REQUIRED
DECEMBER 1987 OR MAY 1988 GRADS
2.8 to 3.0 G.P.A. REQUIRED
NOTE: STUDENTS MUST HAVE A COMPLETED APPLICATION & TRANSCRIPT AT TIME OF INTERVIEW.

*RESUME TURN-IN DATE: Thursday, Sept. 3, 1987
INTERVIEW DATES: Thursday, Sept. 24; Friday, Sept. 25, 1987

NOTE: DEADLINE FOR RESUMES TURNED IN TO TEXAS EASTMAN & RALSTON PURINA WILL BE: 11:00 a.m. FRIDAY, SEPT. 4, 1987.

UMR FALL FILM SERIES

SEPT. 3 RAISING ARIZONA
Directed by Joel Coen with Nicholas Cage and Holly Hunter. R-1987. Expect the unexpected from the creators of Blood Simple. An unconventional couple's desire for a child leads them to redefine the rules of parenthood. Definitely not for children.

SEPT. 10 CROSSROADS
Directed by Walter Hill with Ralph Macchio and Joe Seneca. R-1986. A young 17 year old aspiring guitar prodigy pursues a lost song of a legendary bluesman.

SEPT. 17 CROSSOVER DREAMS
Directed by Leon Ichaso with Ruben Blades. R-1985. Ruben Blades, the hottest star in Latin music, creates a brash Vinyl Jungle story that does for salsa music what The Harder They Come did for reggae.

SEPT. 24 EL AMOR BRUJO
Directed by Carlos Saura with Antonio Gades and Laura del Sol. PG-1986. Following Blood Wedding and Carmen, Carlos Saura concludes his acclaimed dance trilogy with an intoxicating tale of passion and witchcraft. In Spanish with English subtitles.

OCT. 1 ROUND MIDNIGHT
Directed by Bertrand Tavernier with Dexter Gordon. R-1986. This glowing tribute to the golden age of be-bop features Dexter Gordon as an expatriate American jazz saxophonist. He plays with such notable musicians as Herbie Hancock, Bobby Hutcherson, Wayne Shorter and Tony Williams. In English and French with English subtitles.

OCT. 8 SULLIVAN'S TRAVELS
Directed by Preston Sturges with Joel McCrea and Veronica Lake. PG-1941. The story of a successful director who wants to produce a serious drama, while his studio prefers he make a silly comedy.

OCT. 15 SHERMAN'S MARCH
Directed, filmed, edited, produced and starring Ross McElwee. PG-1986. This movie really is "a meditation on the possibility of romantic love in the South today." Or, to put it another way, is romantic love possible in an age of supermarkets, fast food, nuclear arms and sound equipment that allows anybody to film his own life? Find out.

OCT. 22 AFTER THE REHEARSAL
Directed by Ingmar Bergman with Erland Josephson and Ingrid Thulin. R-1984. AFTER THE REHEARSAL is a microcosm of the stage and a dramatic essay on the nature of art. Bergman puts art face to face with reality and falsehood face to face with truth. In Swedish with English subtitles.

OCT. 29 SECRET HONOR
Directed by Robert Altman with Phillip Baker Hall. R-1984. A dynamic, "mythical" portrait of former President Richard M. Nixon in a temper of rage, self-pity, paranoia and self-justification. SECRET HONOR is a one-man show following Nixon as he records memoirs for a new book about his life.

NOV. 5 84 CHARING CROSS ROAD
Directed by David Jones with Anne Bancroft and Anthony Hopkins. PG13-1987. Unable to afford fine editions of her beloved classics, Helen Hanft answered an advertisement by Marks & Co. Antiquarian Booksellers, 84 Charing Cross Road, London, for out-of-print books. How this led to a 20-year relationship that started a business and grew into friendship and a well-stocked library is the subject of this warm film.

NOV. 12 CHILDREN OF A LESSER GOD
Directed by Randa Haines with William Hurt and Marlee Matlin. R-1986. Academy Award-winner William Hurt plays a teacher struggling to communicate with the beautiful deaf girl he loves.

NOV. 19 PLAYTIME
Directed by Jacques Tati with Jacques Tati. PG-1967. Monsieur Hulot takes on the modern world.

DEC. 3 VERONIKA VOSS
Directed by Rainer Werner Fassbinder with Rosel Zech and Hilmar Thate. R-1982. A reporter uncovers shocking secrets about an aging actress's sordid past. German with English subtitles.

DEC. 10 PIRATES OF PENZANCE
Directed by Wilford Leach with Kevin Kline, Angela Lansbury, and Linda Ronstadt. G-1984. An impudent and delightfully charming version of the Gilbert and Sullivan musical updated in a farcical, irreverent style.

The Film Series is supported in part by a grant from the Missouri Arts Council. Program director is Jim Bogan, UMR associate professor of art and film.

Season tickets: \$16.00 (includes tax)
Individual admission: \$3.00 (includes tax)
Fee payable by cash or check
Make checks payable to: University of Missouri-Rolla
Tickets will be available at the door
For more information call: 341-4185

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INFORMATIONAL MEETING

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MARAMEC ROOM (211)

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features

Ozark Area Recreation:

Denny Hilton Brings Entertainment

Source: Denny Hilton

Denny Hilton has brought new glitz, glitter and excitement to Lake of the Ozarks. The Denny Hilton Showplace opened its 1987 season with some new sounds, a new look, even choreographed dancing.

"There was a time when visitors to the Lake were seeking entertainment with a strictly country format," said Hilton, explaining his show's new focus. "However, in recent years, the Lake of the Ozarks has seen a change in the type of people who vacation here, and our show has changed to meet their needs. Much of our clientele consists of second home owners in the Lake area. Our audience today is much more sophisticated, and they want to see more contemporary entertainment."

To bring about these changes, Hilton began by changing the name of

his theatre from Country Shindig Opry Show to simply The Denny Hilton Showplace. Ironically enough, Opry is a name he had fought hard to keep in 1982 when the Grand Old Opry filed suit against him for its use. The case received national attention, and Hilton subsequently won; however, he now feels that the name does not give the public a true representation of the show he produces. "Country Shindig Opry" implies that it's very country, but our show is contemporary, with a flavor of country," explains Hilton. "It appeals to a wider variety of people."

Variety is a key to the show's success, with a repertoire featuring country, jazz, Dixieland, pop and contemporary. This year, the musical quality has also been enhanced by the addition of brass instruments to the band.

"We feature 15 cast members, which is 5 more than we have had in previous years. Our entertainers are all

extremely talented, and vocally we are stronger than we've ever been. Our only difficulty has been finding a way to showcase all of this talent."

In addition to musical excellence, Hilton's show is also a visual extravaganza. Lighting and a rear-screen projection system utilizing five computers, twelve slide projectors and a motion picture projector provide the backdrop for his sharply dressed performers—each in dazzling white and silver costumes custom-made in Hollywood. To add to this, the four dancers provide their own visual interpretation to many songs throughout the performance.

The Denny Hilton Show is now into its 18th season at the Lake of the Ozarks. Performances are at 7:30 p.m. each evening, except Sunday, through mid-November. The Showplace is located on Hwy. 54, just 4 miles west of the Grand Glaize Bridge in Osage Beach.

Webber Cabin to be Dedicated

Source: News and Publications

The Phelps County Historical Society and the University of Missouri-Rolla through the Webber Homesite Memorial Committee will dedicate a memorial to commemorate the site of

County seat at Rolla in 1857 used the cabin as a meeting place.

Participants in the ceremony will include Luther Martin, president of the Phelps County Historical Society; UMR Chancellor Martin C. Jischke; Herschel Dunham, representing the Webber family; and State Representative Jerry McBride, representing the Webber family. In addition, many descendants of John Webber will be in attendance.

Music composed during the Civil War period will be performed by Jim Sigler and Rebecca Logan.

The memorial was built with funds donated by relatives, friends, townspeople, the Phelps County Historical Society and UMR among others.

John Webber's cabin, the first homestead in the city of Rolla. The dedication ceremony will take place at 2 p.m. Sunday, Sept. 6, on the front lawn of the UMR Rock Mechanics and Explosives Research Center, Kingshighway and Bishop Avenue.

The cabin was built in about 1845, and besides being the first residence in Rolla, it has additional historical significance for Phelps County. The commissioners who located the Phelps

Cedar Street Showcases "Noises Off"

Source: News and Publications

The Arrow Rock Lyceum Theatre will present the British comedy "Noises Off" at the University of Missouri-Rolla's Cedar Street Center. The performance, the first of six events in the Campus Performing Art Series, will take place at 8 p.m. Thursday, September 10.

According to Michael Bollinger, artistic producing director for the Lyceum, "Noises Off" is full of action, crazy characters, high energy entertainment and has been successful in London, on Broadway and in road companies. "This hilarious farce is an entertaining play within a play. It deals with a company of has-been and never-were actors including a squeaky blonde and lush, among others," he said.

Veteran Lyceum Actress Marjorie Austrian will be playing the dizzy and

somewhat fading character actress Dottie Ottley; leading man Gary Lejeune will be played by St. Louis actor Philip M. Coffield; the squeaky blonde, Brook Ashton, will be played by New York actress Nancy Allison; Bollinger will be playing dilettante character actor Frederick Fellows; and diva Belinda Blair will be played by Brenda Chassey.

Season tickets are \$35 and single-event tickets are \$7. They may be purchased from the cashier, Auxiliary Services, University Center-West, from 8 a.m.-4:30 p.m. weekdays. On the evening of the performance, tickets may be purchased at the Cedar Street Center on hour before curtain time. All seats are general admission.

This program is presented with partial support from the Missouri Arts Council.

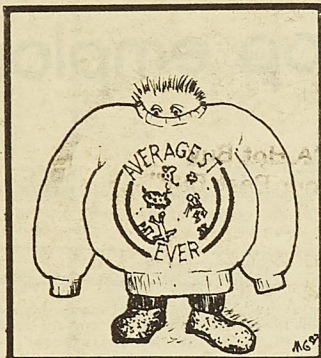
St. Pat's Facts

Sweatshirt Design Contest Announced

by Chris Layton
Staff Writer

Welcome back to the greenest campus on earth from who else but the St. Pat's Board. There isn't a better way to start the new school year off than to get psyched up for the 10th annual Septemberfest on September 19. Buttons for the "Best Septemberfest Ever" will go on sale Tuesday, Sept. 8, the day after Labor Day. So stop by the hockey puck to show your support for the great guys who will be bringing you "The Best Ever" St. Pat's '88, which is only 197 days away.

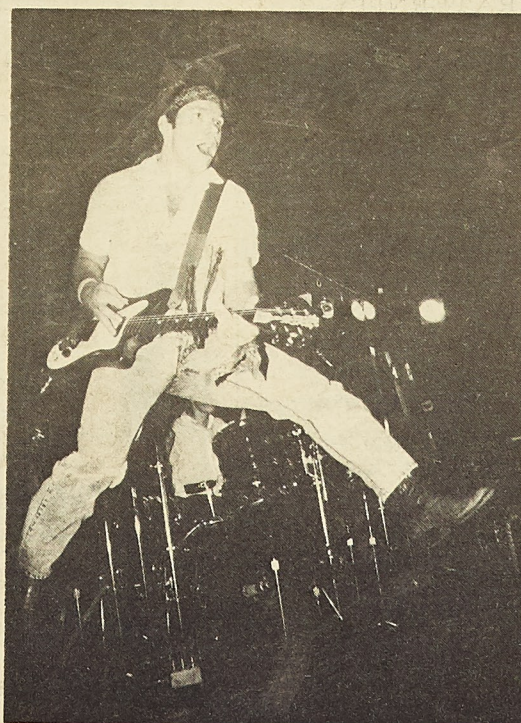
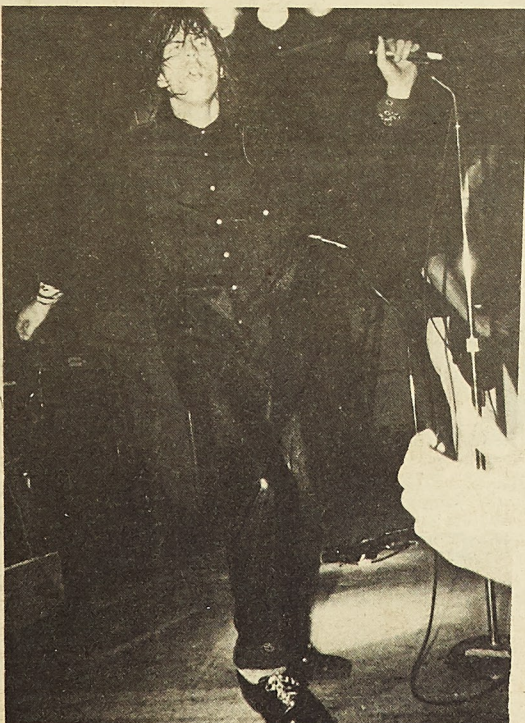
Speaking of St. Pat's '88, the St.



Pat's Board still hasn't found that perfect design for their sweatshirts. So grab a pencil and give your artistic abilities a test. Who knows, it could be worth \$200, which is the first place prize for the winning entry. There is

also a \$100 second place prize and a \$50 third place prize. But you better hurry because the deadline is September 11 and the St. Pat's Board is anxious to send off for their green sweatshirts, sweatpants, buttons and garters. Just give your design to any St. Pat's Board member and Good Luck!

Rainmaker's Concert Candids



(Photos by: Ron Stoops)

Classifieds

Miscellaneous

College rep wanted to distribute "Student Rate" subscription cards on campus. Good income, no selling involved. For information and application write to: Campus Service, 1745 W. Glendale Avenue, Phoenix, AZ 85021.

College students earn six to 10 dollars per hour working part-time on campus. For more information call 1-800-932-0528.

Personals

B.B.,
When are you going to propose to me?
—Your one and only

LAM,
I had a great time this summer. I've learned a lot about you. I'm sure we can work something out for January. Love,
—J Bear

To the Wednesday Night Crew:
Welcome back! Despite the loss of Sunshine and Jellyfish, it looks like this semester is a good one.
—That Sports Guy
P.S. We need nicknames for the rookies.

Hey Pal!
Kathleen—I like being your roomie again—(for real?) Have an awesome year. Love YBS,
—Mia

Hayes—
Good luck Saturday at the game. I know you'll do great!!
—Love, Susan

Sweet Pea,
I'll always be "so caught up in you."
—Your Babe

from page 5

MARATHON PIPELINE COMPANY
P.O. Box F
Martinsville, IL 62442

NUMBER OF SCHEDULES: 1
 MAJORS: BS in ME, EE or CE
 POSITION: Pipeline Project Engineer
 LOCATION: Martinsville, IL
 *RESUME TURN-IN DATE: Friday, Sept. 4, 1987
 INTERVIEW DATE: Friday, Sept. 25, 1987

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

NON-PRESCREENED INTERVIEWS**DEFENSE LOGISTICS AGENCY**
3990 E. Broad
Bldg. 1-1
Columbus, OH 43216-5000

NUMBER OF SCHEDULES: 1
 MAJORS: Information not available at this time
 INTERVIEW DATE: Tuesday, Sept. 22, 1987
 SIGNUP DATE: Tuesday, Sept. 8, 1987

NOTE: Back-up list will be available for those students unable to obtain an interview. YOU MUST BRING YOUR RESUME WITH YOU AT TIME OF SIGNING FOR BACK-UP LIST. BACK-UP LIST WILL BE LOCATED ON THE 2nd FLOOR, BUEHLER BLDG., FOR AN ADDITIONAL 2 DAYS. (PLEASE INDICATE NAME OF COMPANY ON RESUME.)

EXXON COMPANY
P.O. Box 2180
Houston, TX 77001

NUMBER OF SCHEDULES: 1 ea day
 MAJORS: BS/MS in ChE, ME, PE, Geol., Mining Engineering
 POSITION: Engineering assignments in production, marketing, refining, chemical operations, mfg., systems, & R&D.
 LOCATION: nationwide - predominately Texas & Louisiana
 U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED
 PREFER "B" G.P.A. AND ABOVE
 DECEMBER 1987 or MAY 1988 GRADS
 INTERVIEW DATES: Thursday, Sept. 24; Friday, Sept. 25, 1987
 SIGNUP DATE: Thursday, Sept. 10, 1987

EXXON

NOTE: STUDENTS SHOULD BRING COMPLETED EXXON APPLICATION AND COPY OF TRANSCRIPT TO INTERVIEW. (OBTAIN TRANSCRIPT FROM REGISTRAR) Back-up list available for those students unable to obtain an interview. You must bring your resume with you at time of signing for back-up list. Back-up list will be located on the 2nd floor, Buehler Bldg., for an additional 2 days. (Please indicate name of company on resume.)

ADDITION -- week of Sept. 14-18, 1987**ANADRILL SCHLUMBERGER** - INTERVIEWING SEPT. 16, 17, 1987
200 Macco Blvd.
Sugar Land, TX 77478

NUMBER OF SCHEDULES: 2 ea day
 MAJORS: BS in PE, ME, Geology, Geo. Eng.
 POSITION: Field Engineer
 LOCATION: N. America
 U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED
 DECEMBER 1987 or MAY 1988 GRADS
 SIGNUP DATE: Tuesday, Sept. 8, 1987

NOTE: A MEETING WILL BE HELD ON TUESDAY, SEPT. 15, 204 McNutt Hall, 7:00 p.m. STUDENTS ON SCHEDULE MUST ATTEND!

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

CHANGE IN INTERVIEW DATE:

BLACK & VEATCH: change from Sept. 30, 1987 to Oct. 15, 1987

CANCELLATION: MPC Products, Skokie, IL (interview date: Nov. 2, 1987) No plans at this time to re-schedule.

EXXON COMPANY
P.O. Box 2180
Houston, TX

MAJORS: JUNIOR LEVEL: ChE, ME, PE, Geol. E, Mining Eng.
 POSITION: Summer Positions
 LOCATION: predominately Texas and Louisiana
 U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED
 PREFER "B" GPA OR ABOVE

RESUME TURN IN DATE: Thursday, Sept. 3, 1987
 INTERVIEW DATES: Sept. 24, 25, 1987

PLEASE INDICATE NAME OF COMPANY ON RESUME. Resumes will be mailed to Company and they will select the students they wish to interview. Selectee's names, and backups will be posted on the bulletin boards in the sign-up area and in the appropriate departments. Posting of names will be done approx. 2 weeks before the interview date with a four day deadline for signing.

STUDENTS SHOULD BRING COMPLETED EXXON APPLICATION & COPY OF TRANSCRIPT TO INTERVIEW.

SUMMER TECHNICAL PROGRAM

Each summer in St. Paul, the 3M Company conducts a technical training program. There are benefits for both the Company and the student. The students get valuable on-the-job training; the Company gets a good look at potential technical employees. The student has an opportunity to assay the possibilities of a career at 3M; the Company gains valuable specialized help. Industry, as a whole, benefits because wherever the student ultimately goes to work, the student is better equipped to do the job.

ASSIGNMENTS: The projects assigned require the application of fundamentals learned in school. This necessitates working with people outside the immediate project group as well as within, thus giving the student a better understanding of the Company. All of the assignments are typical of industrial laboratory and manufacturing situations. Upon completion of summer employment, the student submits a progress report summarizing the status of the project and recommending further action.

SUPERVISION: At all times, summer employees are under the guidance of a 3M scientist or engineer, yet they are getting an opportunity to gain experience in industrial applications of their academic background through the everyday use of laboratory instruments, widespread contacts with other people and the necessity of having to design and carry out a particular project.

SUMMER ACTIVITIES: Besides meeting and working with students from many different schools, the summer employee also participates in other activities such as a picnic attended by 3M technical personnel, a final banquet before returning to school, and "Meet 3M Days". The latter includes a tour of 3M facilities along with seminars presented by 3M personnel.

QUALIFICATIONS: In order to qualify for this program, candidates must have completed their junior year of college in a technical field. Curricula of principal interest are CHEMISTRY; PHYSICS; CHEMICAL, MECHANICAL, ELECTRICAL, METALLURGICAL and CERAMIC ENGINEERING. Opportunities also exist in other fields.

Deadline for Application, February 28.

An equal opportunity employer M/F/HDCP

co-op employment

ATTENTION CO-OP STUDENTS

Students who are interested in interviewing for Co-op positions must have all Co-op registration forms on file in the Co-op Office before you can sign up for company interviews.

STUDENT ELIGIBILITY REQUIREMENTS FOR CO-OP PROGRAM

1. You must be a FULL-TIME student when applying for and while participating in the Co-op Program. FULL-TIME is defined as satisfactorily carrying and passing a minimum of 12 credit hours in a fall or spring semester and a minimum of 6 hours in a summer session. Before dropping any class, you must discuss this with the Co-op Office.
2. You must be maintaining a cumulative G.P.A. of at least 2.0/4.0 to enter and to remain in the Co-op Program.
3. You must NOT be on any type of probation.
4. You must be able to complete at least 12 months of Co-op training on the alternating basis before graduation.

FEE

You must register and pay a fee at the Co-op Office for each work period. This must be done before leaving the campus. The fee will be doubled if it is not paid before 10 days into the succeeding semester.

The University of Missouri reserves the right to change any and all fees and other charges at any time, without any notice being given in advance of such a change.

CREDIT FOR CO-OP

Details concerning credit for Co-op Training must be determined by your department chairman before your first work period.

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

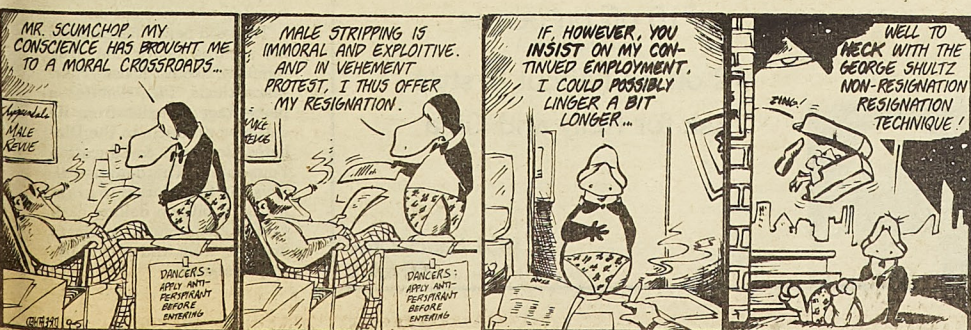
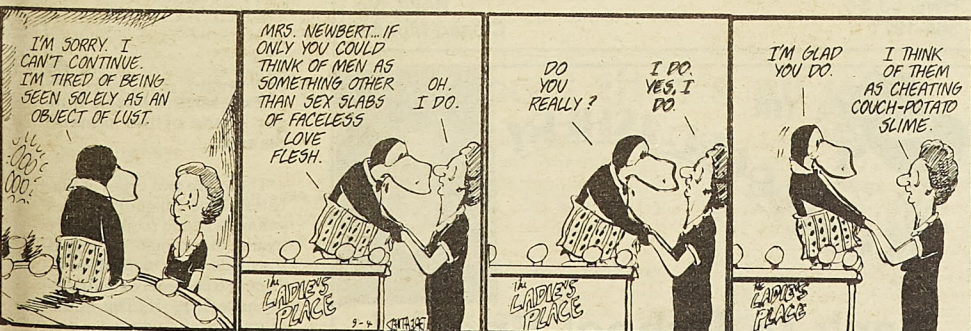
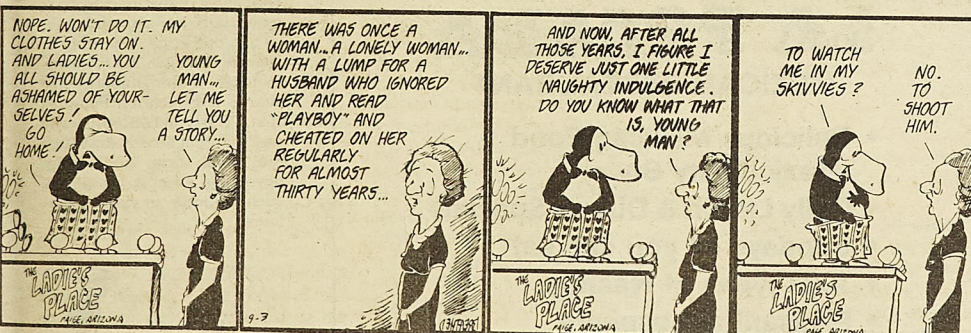
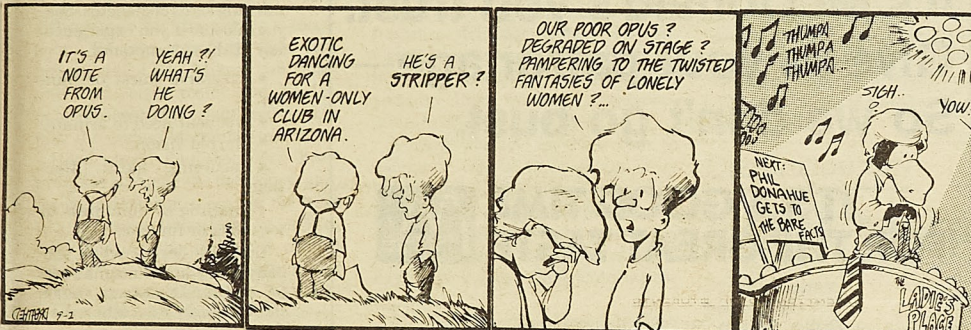
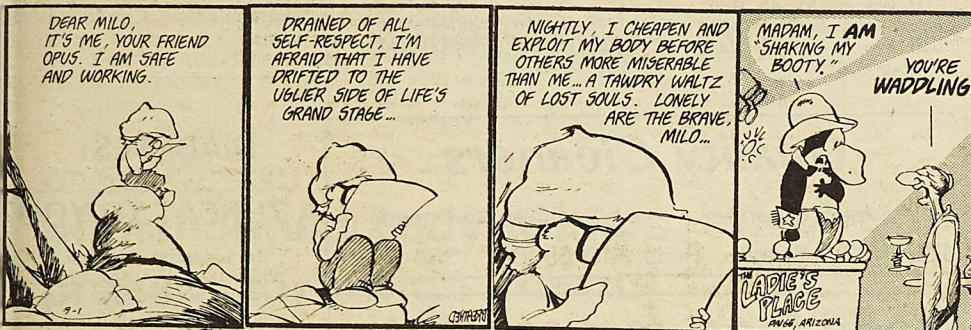
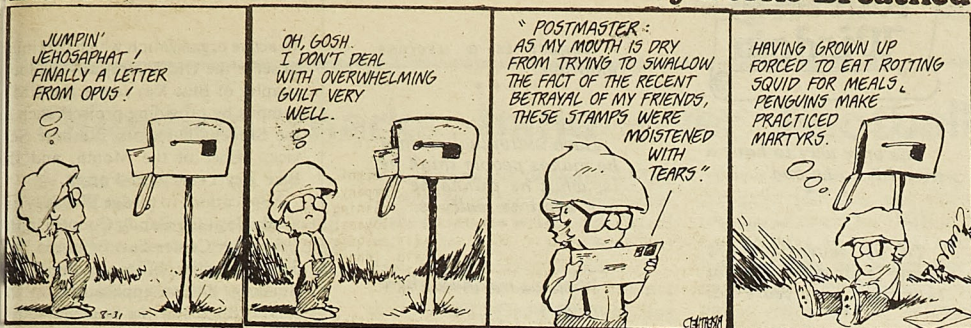
Please let the Co-op Office know immediately of any acceptance of an offer.

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

Wednesday
BLOOM
JUMPIN' JENOSAPHAT
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FROM OPUS
?
DEAR MIL
IT'S ME, Y
OPUS. I A
AND WORK
IT'S A
NOTE
FROM
OPUS.
I'M SORRY
CAN'T CONTIN
I'M TIRED OF
BEEN SOLELY
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MR. SCUMCHOP
CONSCIENCE HR
TO A MORAL C

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by Berke Breathed



Kristy wishes to announce a
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1401 Martin Spring Drive **Open: Sun-Thurs-11 a.m.-10 p.m.**
 364-7168 **Fri-Sat-11 a.m.-11 p.m.**

JUNIORS/SENIORS

Receive a monthly paycheck while you complete your degree at UMR!! Technical majors enrolled in the Navy's engineering officer program receive:

- Excellent pay/benefits
- Management experience
- A monthly retainer of **over \$1000** monthly while they complete their degrees
- Masters degree opportunities

No summer drills, uniforms or meetings while in college!

Several exceptional students from UMR are already enrolled in this unique program. If you are an engineering/technical major with an overall GPA of 3.2 or better you could be qualified. **Plant visits to the San Diego, Calif. or Norfolk, Va. Naval Bases** are offered at no cost or obligation to qualified students. If you are a U.S. citizen who will obtain a bachelors degree prior to your 26th birthday, in good health and would like to learn more about Naval engineering opportunities sign up for an interview at placement today! Interviews will be conducted on 16 and 17 September, or call Lt. George Hildebrand toll free at 1-800-446-6289.

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UMR SPECIALS

from
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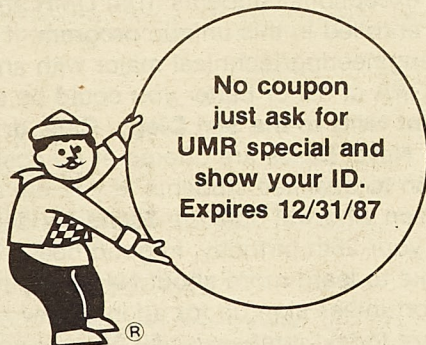
Buy any two medium, single topping, thin crust pizzas for \$9.99 after 9 p.m. Not valid with any other offer.

Free 6-pack of Coca-Cola

Buy any large or medium pizza and get a free 6-pack of Coca-Cola. Valid on carry out or delivery only. Not valid with any other offer.

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20% off any pizza with a valid student ID—dine-in, carry-out or delivery. Not valid with any other offer.



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 DELIVERS IT ALL.
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Words of Wisdom

The only way to have a friend is to be one.

To be seventy years young is far more cheerful than to be forty years old.

If you clutter up your mind with little things, will there be any room left for big things?

Regret is a useless emotion.

Each individual is what he makes people think he is, what he thinks he is, and what he really is.

Without kindness there can be no true joy.

Life is so pitifully short that not one second should be misused.

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 It's McDonald's you trust.
 Give us your patronage—
 So we don't go bust.**

**IT'S A GOOD TIME
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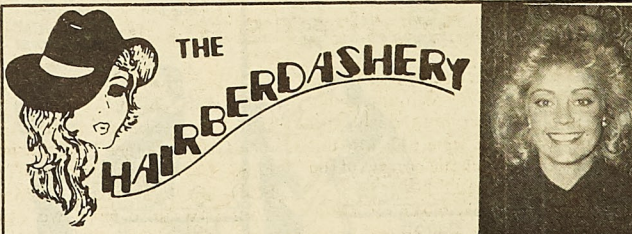
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\$10 off on perms
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 Ask for Kelly and Gina



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from page 1

an active organization which continues to serve the UMR campus. The local chapter of Blue Key serves the UMR campus by providing projects such as the Student Directory, Resume Service, Miner of the Month, and the Blue Key Leadership Forum.

Applications to pledge Blue Key are available at the Candy Counter in the University Center-East or at the Student Activities office in the Rolla Building. Return applications to the candy counter or the Student Activities office no later than 4 p.m. September 14. If you have any questions, please call Dave Cenedella at 364-6090.

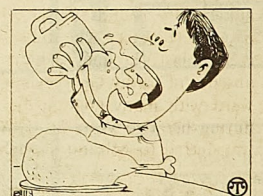
DIABETES:

A THREAT TO YOU?

Are you at risk for diabetes? About 12 million Americans have the disease and each year it strikes 600,000 more. Here's important information from the Diabetes Research & Education Foundation on the warning signs of diabetes. See your doctor if you experience any of these symptoms:

- Excessive thirst or hunger.
- Frequent need to urinate.
- Blurred vision.
- Recurring skin infections.
- Tingling or numbness in legs, feet or fingers.

Diabetes occurs when the body can't make normal use of sugar. It causes more deaths than any other disease, except for cancer and heart disease. With proper care, most diabetics can enjoy essentially the same lifestyle as non-diabetics. According to Donnell Etzweiler, M.D., board member of the Diabetes Research & Education Foundation, "Early detection is crucial. Undiagnosed diabetics may feel fine until they develop a specific complaint such as kidney or vision problems."



Excessive thirst or hunger is one of the signs of diabetes.

There are two types of diabetes. Type I usually strikes youngsters and requires daily insulin injections. Type II is the milder form of the disease. About 80 percent of all diabetics have Type II. The initial therapy is often a proper diet and regular moderate exercise with many patients later needing oral medication.

The good news? Researchers are seeking a cure. One drug company, Hoechst-Roussel Pharmaceuticals, Inc., donates a percentage of sales from its diabetes products to the Diabetes Research & Education Foundation. This donation allows the Foundation to grant nearly a million dollars each year to researchers looking to prevent, treat and eventually cure diabetes.

sports

Question marks hang over Football Miners as season starts

By Mark Buckner
Staff Writer

The 1987 football season is just around the corner as the Miners open their season Saturday night on the road against Missouri Western.

The rest of their football schedule goes like this. The first home game is Sept. 12 against Missouri Valley, then they will be at Pittsburg State Sept. 19; then here against Evangel on the 26th. Then the Miners have three straight home games: Oct. 10 against CMSU (Homecoming); Oct. 17 against NWMO; and their final home game

of the year on Oct. 24 against NEMO (Parents' Day). Their final three games of the season are on the road: Oct. 31 at Lincoln; Nov. 7 at SEMO; and Nov. 14 at Southwest Baptist.

The Miners are looking to improve their record this season after coming off what has to be a disappointing season of 5-6 a year ago. It was the first time in 10 years the Miners did not have a winning record. And things won't get any easier for the Miners this year, especially at quarterback and in the defensive secondary.

The biggest question mark the Min-

ers have is replacing Brad Haug, who graduated last year and threw 15 touchdown passes for UMR in 1986. Senior David Andrzejewski seems to have the edge as the number one quarterback, "but regardless who we put in there, we will be inexperienced," says head coach Charlie Finley. Other quarterbacks vying for the number one job are junior Ty Dinsdale and sophomore Brian Haug, Brad's younger brother.

The Miners lost most of their players in the defensive secondary to graduation, and this area of the defense

will be inexperienced, according to Finley. But there are other areas on the team where the Miners have a considerable amount of talent and experience.

In the backfield, the Miners have returning sophomore Mike Vehige, who rushed for 553 yards in 1986; senior Lafayette Gatewood; and sophomore Ron Harmon. The Miners also have some quality receivers returning this year that include junior Ron Reimer, who was elected to the MIAA first-team. Reimer caught 40 passes for 736 yards. Also returning

are juniors Don Brumm and Greg Suellentrop and sophomore Chris Hawkins.

The offensive line, overall, seems to be in good shape as well as the defensive line, which includes last year's defensive MVP John Hentges. The punting chores will belong to sophomore Alex Nagy while the kicking duties will once again belong to junior Jim Zacny.

"So much of our philosophy depends on us having a strong defensive team," Finley said. "We have some talented players on that side of the ball, but they will have to progress for us to be tough."

Women's Soccer

Shorthanded Lady Miners prepare for tough season

By Tracy Boland
Staff Writer

The 1987 season is going to be a difficult one for the women's soccer team. Despite recruiting eight new players, the Lady Miners can boast only a 13-person roster, and are desperately short of the depth required to play the intense 90-minute matches.

Head coach Paul McNally, however, has accepted the deficiency, and, while he does not intend for the team to roll over and play dead, is realistically viewing the season as one of rebuilding. "We lost a number of players to graduation last year, and one of our most experienced players, Jean Gardiner, is academically ineligible to play this season. Her absence will definitely hurt us in the midfield."

Four of the five returning players are sophomores, including last year's MVP, defender Gina Dressel. Much of last season's offense is also returning, in the forms of Mary Gasper and Lisa Tieber, who led the team in scoring with 16 goals apiece. Midfielder Sally Puhlick, who had a strong season offensively last year, rejoins the team, and Michelle Ditton, who spent last year on the sidelines due to an ankle injury, rounds out the returning players. (Readers who followed the women last year may wonder at the absence of Cathy Georgevitch, a forward with many goals to her credit during her two years at UMR. She transferred to Mizzou at the end of

last semester to pursue a degree in business.)

Newcomers this year include goalies Greta Stromberg and Sharon Ralen, freshmen; defenders Roberta Dressel, Cathy Wessling and Stephanie Swift, freshmen; forwards Teresa Dickenson and Lisa Giblin, freshmen; and sophomore midfielder Lisa Giblin.

A major obstacle for the women to overcome will be their unfamiliarity with the various styles of play. The practices do not afford the team the opportunity to play as an entire unit; that will be one subject the team will have to pick up on the field during the games.

Another important factor that will affect the team's success is their schedule. Most of the games are versus old rivals such as UMSL, SIU-Edwardsville and Northwest Mo. State, teams that are known to be tough. However, McNally has also tried to schedule the Miners against some newer, less established teams like UA-Little Rock and Westminster College, in the hopes that the games will be favorable to the renovated ladies. Additionally, two exhibition games have been scheduled in an attempt to give the women a chance to play as a team. The first, versus the alumni, was played last Saturday, and was won by the Miners 4-0.

The women's home opener is Monday, Sept. 7 at 1 p.m., versus the University of Tulsa. Admission is free with student ID.

MIAA brings four new members aboard

By Tom Duggan
Sports Editor

This past summer, the Missouri Intercollegiate Athletic Association added four new schools to its roster: Missouri Southern State College, Missouri Western State College, Pittsburg State University and Washburn University. This, following the addition of Southwest Baptist University in 1986-87, brings the total number of members to twelve.

Pending their acceptance into the NCAA-Division II, these four schools will join the eight present members in league play in the 1989-90 academic year. The eight present members are Southwest Baptist, Central Missouri State, Lincoln, Northeast Missouri State, Northwest Missouri State, Southeast Missouri State, University of Missouri-St. Louis, and University of Missouri-Rolla.

The MIAA conducts league play in the men's sports of baseball, basketball, cross country, football, golf, tennis and track, and the women's sports of basketball, cross country, softball, tennis, track, and volleyball.

Although UMR teams won't face any of the four new members in league play for two more seasons, they have encountered them in non-league matchups before.

Cross Country

UMR team finds hope in new faces

By John Stetzer
Staff Writer

As fall sports get underway, the UMR men's cross country team will be starting its season Saturday at Westminster College in Fulton. The Miners, coached by Dewey Allgood and led by co-captains Ron Rosner and Dave Vonarx, will be facing a rebuilding year after losing four of their top runners from last year's squad, a team which was ranked 13th nationally by NCAA Division II coaches.

At last Saturday's pre-season time trial, Coach Allgood got a look at those athletes who hope to contribute to the Miners' success in 1987. Ron Rosner finished first but was followed closely by sophomore and Rolla native Tim Bauer, a much improved runner



over last year. Next came John Conrad, a freshman recruit from Kansas City's Raytown South High School. John's team won the Missouri Class 4A State Championship last year. Also, Joe Stemler, a freshman walk-on from St. Louis, has looked very good in pre-season. Strong performances were also turned in by sophomores Francis Wildhaber and Tim Cross and freshman Nick Morello. Finally, Coach Allgood is looking from some solid support from veterans Jeff Balmer and Dave Vonarx and freshman Nick Grimes.

Keep looking right here each week for updates on men's and women's cross country and plan on watching the Miner Invitational next month. It will be Saturday, October 3 at the UMR golf course.

Water Polo: a sport that's all wet

Submitted by:
Rick Strom

Imagine, if you can, treading water for three minutes with somebody hanging on your back and your arms above the water from the elbow up. Well, this is just one of the drills the members of UMR's water polo team has been doing since the first day of classes.

If you already know how the sport is played, skip this paragraph; but if you don't, then read on. Water polo is in many ways like hockey, where you have a net at each end and try to score goals; and of course you opponent tries to stop you. Also, each team has six field players and a goalie in the water at all times, unless a person commits a major foul, for which he is ejected for thirty-five seconds. Also, as in hockey, a great deal of

physical contact is involved. The players may touch their opponents with both hands, but the ball with only one at a time and are not allowed to touch the bottom of the pool at all.

Now that everyone knows a little about the game, you should know more about the team we have at UMR. First, it is a club sport, which means that anyone who has reasonable swimming ability can try out, and it also means that there are no scholarships given out for it at this school.

Second, we play against teams that do give scholarships and more often than not we defeat them, as our record of 12-3 from last year indicates. Among the teams that fell prey to the Miners were Notre Dame (yes, the "Fighting Irish"), Indiana, Northwestern, University of Illinois, and Michigan.

Third, we have every starter from last year's team and a couple of the first line reserves back. These include Rich Berger, Scott Carney, Doug Imrie, Joe Lundeen, Tim Streb, Rick Strom, and Mark Wuttig. We also have two experienced goalies from Mehlville High School in Paul Treis and Lance Clark.

Overall, this coming season looks very promising for the Miner water polo club, and it is our hope that when we host a tournament here the first weekend in October many of you will come out and support us. If you have a serious interest in trying the sport, contact coach Mark Mullin at the UMR pool. Keep reading the Miner for more information on when and where we play and how we are measuring up against this year's competition.

I.M. News: Referees needed

Submitted by Lenny Meers

Once again flag football will start the intramural season. The games begin on Wednesday, Sept. 2.

We desperately need officials for football. The pay is \$5 per game. Anyone interested can sign up at the Multi-Purpose Building.

The first intramural managers' meeting was held Aug. 26. The Spelunkers' Club was admitted as a member of intramural managers, and they will be competing in intramurals this season.

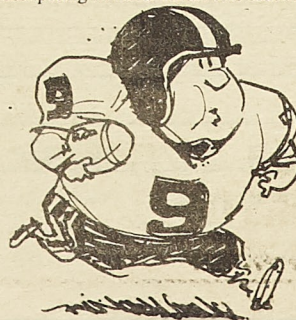
The next meeting is Sept. 9 and entries are due for golf, tennis, and horseshoes.

Admissions to Sports events free with I.D.

Source: Athletic Department

UMR students will again be admitted to all intercollegiate athletic events by showing a student ID card.

Miner home football gets underway Sept. 12, as UMR hosts Missouri Valley in a 1:30 p.m. game. UMR soccer opens at home for the men on Sept. 12, hosting Lewis University at 6 p.m. The Lady Miners host the University of Tulsa on Sept. 7 in a 1 p.m. match.



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from page 8

SIGN-UP FOR CATERPILLAR TRACTOR COMPANY CO-OP INTERVIEWS

WHEN: Friday, September 11, 1987

WHERE: Co-op Office, 101 Buehler Bldg.

TIMES: For morning sign-ups - 8:00 - 11:00 am
For afternoon sign-ups - 1:00 - 3:00 pmINTERVIEWING: M.E., E.E., Eng.Mgmt., Met., Ch.E., Cer.,
Engr.Mech.REQUIREMENTS: 2.8 GPA or above, American Citizenship,
required, Freshman or above
1 hour interviews

THE ACTUAL INTERVIEW DATE WILL BE Tuesday, Oct. 6, and Wednesday, Oct. 7, 1987.

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

Interview date: Wednesday, September 23, 1987

UNITED STATES GYPSUM COMPANY
N. Kansas City, Missouri

Interviewing: Geo.E., Mining

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

Sign-up date: Monday, September 14, 1987

One schedule - 13 interview openings

Interview date: Monday, September 28, 1987

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

Interviewing: M.E.

Requirements: 2.25 GPA or above, American
Citizenship not required

Sign-up date: Tuesday, September 15, 1987

One schedule - 12 interview openings

Interview date: Tuesday, September 29, 1987

JOHNSON CONTROLS
St. Louis, Missouri

Interviewing: E.E., M.E.

Requirements: 3.0 GPA or above, American
Citizenship required.

Sign-up date: Monday, September 14, 1987

One schedule - 12 interview openings

Interview date: Tuesday, September 29, 1987

MONSANTO COMPANY
St. Louis, Missouri

Interviewing: C.Sc., E.E.

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

1 hour interviews

Sign-up date: Tuesday, September 15, 1987

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

Two schedules - 12 interview openings

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

Interview date: Tuesday, September 29, 1987

MOBIL OIL COMPANY
Schaumburg, Illinois

Interviewing: INFORMATION AVAILABLE AT A LATER DATE

Requirements

Sign-up date: Tuesday, September 15, 1987

Interview date: Thursday, October 1, 1987

PFIZER PIGMENTS INC.
E. St. Louis, Illinois

Interviewing: Ch.E.

Requirements: 3.0 GPA or above, American
Citizenship not required.

Sign-up date: Wednesday, September 16, 1987

One schedule - 10 interview openings

IBM CORPORATION
Kingston, New YorkInterviewing: *C.Sc., E.E., (* largest number of
available openings) the others are very limited
Eng.Mgmt., M.E.Requirements: 3.2 GPA or above, American
Citizenship not required

Sign-up date: Wednesday, September 16, 1987

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

Interview date: Thursday, October 1, 1987

ANHEUSER BUSCH
St. Louis, Missouri

Interviewing: Eng.Mgmt.

Requirements: 2.5 GPA or above, must be
completing 4 semesters of BS degree program.

Sign-up date: Thursday, September 17, 1987

BALL CORPORATION
Muncie, Indiana

Interviewing: Met.E.

Sign-up date: Thursday, September 17, 1987

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

Interview date: Monday, October 5, 1987

ARMCO INC. MIDWESTERN STEEL DIVISION
Kansas City, Missouri

Interviewing: Met.E., M.E.

Requirements: American Citizenship required

Sign-up date: Monday, September 21, 1987

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

IBM CORPORATION
Boca Raton, Florida

Interviewing: E.E., C.Sc.

Sign-up date: Monday, September 21, 1987

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

IBM CORPORATION
Rochester, Minnesota

Interviewing: C.Sc., E.E.

Permanent Visa

Sign-up date: Tuesday, September 22, 1987

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

IBM CORPORATION
Lexington, Kentucky

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

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

Sign-up date: Wednesday, September 23, 1987

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

Interview date: Thursday, October 8, 1987

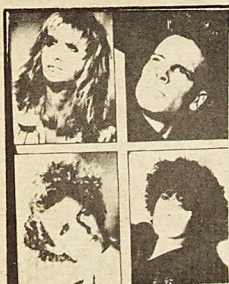
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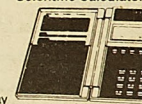
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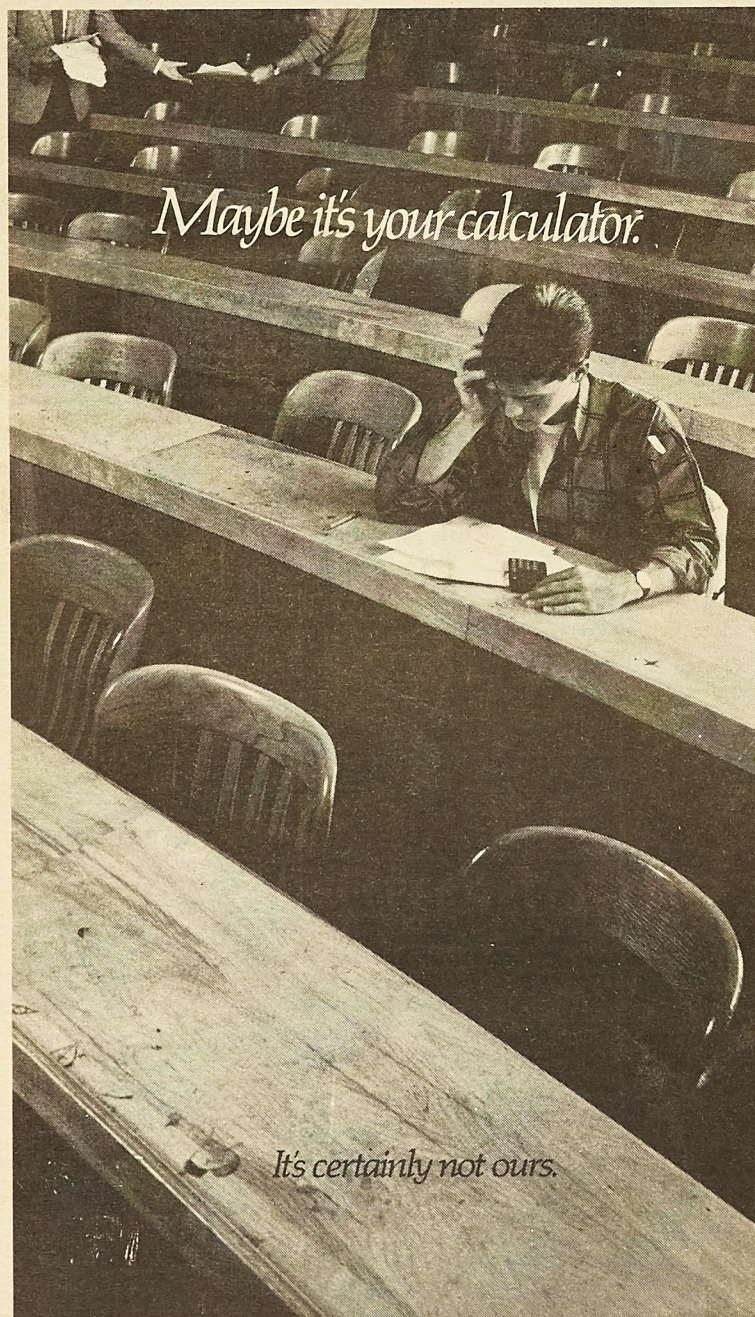
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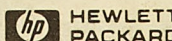
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miscellaneous

The Time has come for a more literate America

Source: Warren E. Burger and Edward M. Kennedy

An idea has been presented to Congress that is worth trying in the battle against illiteracy: to create a Literacy Corps that will enable college students to volunteer for a few hours a week as assistant teachers for students in nearby public schools or other institutions in return for college credit.

We pride ourselves on being an "advanced nation," but illiteracy in America is at a level no nation should tolerate. Vast numbers of Americans lack the basic reading skills to function in society. According to an estimate, twenty-three million citizens over the age of 18 cannot read the poison warning on a can of pesticide or a package of cigarettes, the headline of a daily newspaper, or a letter from their child's teacher. An additional thirty-five million are semi-literate, reading so poorly that they barely function at a survival level. That makes 58 million adults, roughly a third of the nation's population over 18, whom our system of education failed in their adolescent years and who are functionally illiterate today. The result is a massive problem of illiteracy that costs the nation heavily in welfare and unemployment, industrial accidents and lost productivity, and dead-end lives of crime and drugs.

Illiteracy is also a threat to our constitutional system: how can a functional illiterate really understand that system or defend it effectively? Even if some of these figures are overstated, at best the picture is bleak.

A recent study complained that America has slipped behind Japan in the quality of education, but the truth is, we have slipped behind 47 other countries, too. America ranks 49th in literacy among the 159 countries of the world!

So far, we have not addressed this problem very effectively. The Federal Government spends billions of dollars every year on education, but only a pittance is targeted on illiteracy. In fact, total spending on illiteracy in the United States reaches only about four percent of those who need help. The National Advisory Council on Adult Education estimates that we would need to spend five billion dollars—fifty times more than is allocated today to have a significant impact on the problem through costly traditional programs.

New spending of that magnitude is out of the question because of the federal deficit. The challenge is to persuade America to do more without spending more. That is a tall order, but it is not impossible—which is where a Literacy Corps would come

in. Pilot projects at the University of Miami and St. John's University in New York City, relying so far on corporate donations, have made a start that provides a pattern. The results of these modest efforts are so compelling that the time has come for a national effort.

Legislation pending in Congress seeks \$27 million over the next two years to launch Literacy Corps projects at approximately a thousand colleges and universities across the country. The bill will provide start-up grants of about \$25,000 per college to cover the initial administrative costs of campus programs.

Participating college students would sign up for electives offered by their colleges and taught by their professors in semester-long courses comparable to those in "clinical legal education" at many law schools, although the focus of the Literacy Corps would be very different. As part of the course, college students would be given instruction on how to tutor in reading. In addition to teaching in local elementary and high schools, Literacy Corps participants could also tutor in Head Start centers, institutions for the disabled, adult continuing education programs, jails, or other facilities where supervised classroom-type set-

tings are available.

In a typical ten-week semester, each college student in the program would provide 60 hours of tutoring. If a thousand colleges participated, 100,000 or more students might join the Literacy Corps, and a very large amount of tutoring could be generated over the next two years.

In addition to tackling the problem of illiteracy, a Literacy Corps has another benefit—harnessing the idealism, the volunteerism, and the commitment of young Americans. So far, initiatives in this area have been stymied by the high price of conventional proposals such as a National Service Corps or R.O.T.C.-type scholarships or loan-forgiveness programs for students willing to commit themselves to a period of post-graduate public service.

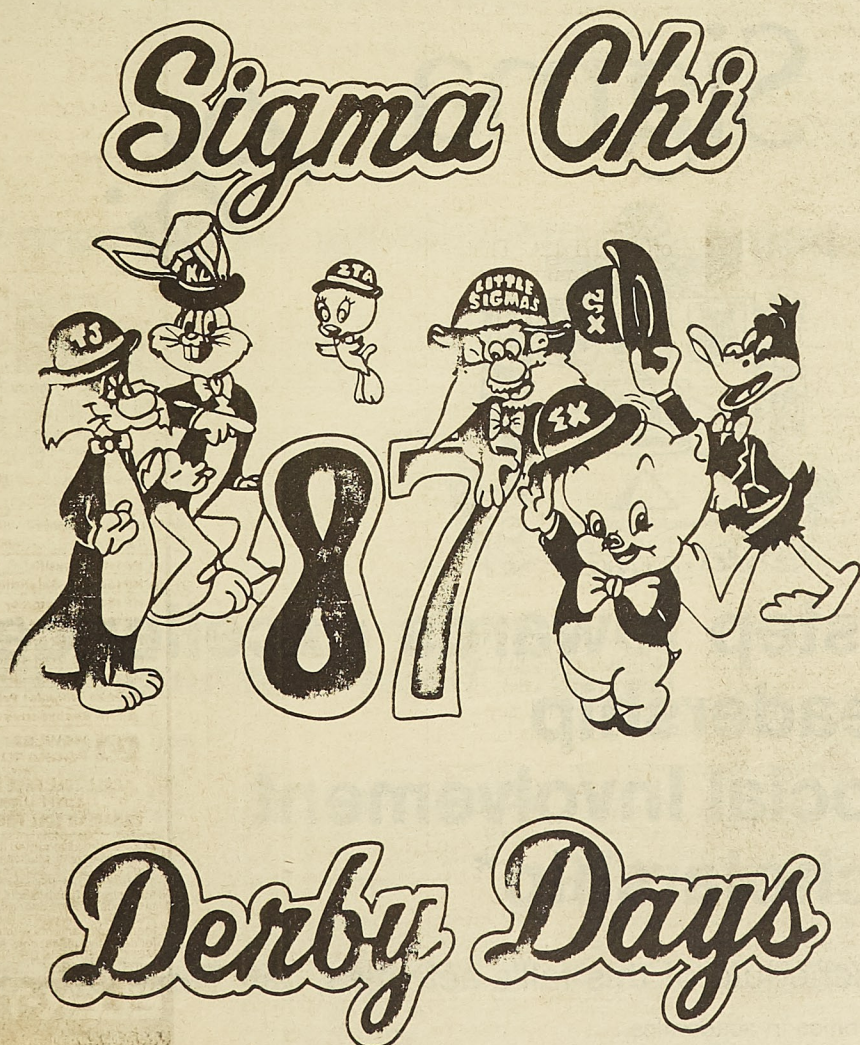
We believe a Literacy Corps has all the potential for today that President Kennedy's Peace Corps had in the 1960's. Young Americans in this generation are as ready, willing and eager to respond to the challenge of public service as their parents were a generation ago, when President Kennedy urged them to "Ask not what your country can do for you—ask what you can do for your country."

If colleges and universities across the country respond by accepting the

Literacy Corps as part of their educational process, students will have the opportunity to participate by many thousands and America may at last begin to deal in more effective and affordable ways with the shameful and festering problem of illiteracy in our midst.

One final point—the Literacy Corps is not a new idea. It is based on a model conceived in 1969 by an unusually creative private citizen, Norman Manasa now heads the Washington Education Project which is seeking broader corporate financing for the idea if Congressional action is too slow. In 1984, Manasa wrote a very readable paperback elaborating on the program called "The Washington Education Project, Inc.—or How You Can Get A Tutor For Your Kid, Just Like Rich People." It may not be on the bestseller lists today, but it deserves to be on the shelves of every college bookstore in the country—and perhaps it will be. The Literacy Corps is an idea whose time is overdue.

Warren E. Burger was Chief Justice of the United States from 1969 to 1986; he is presently Chairman of the Commission on the United States Constitution. Edward M. Kennedy is the senior Democratic Senator from Massachusetts.



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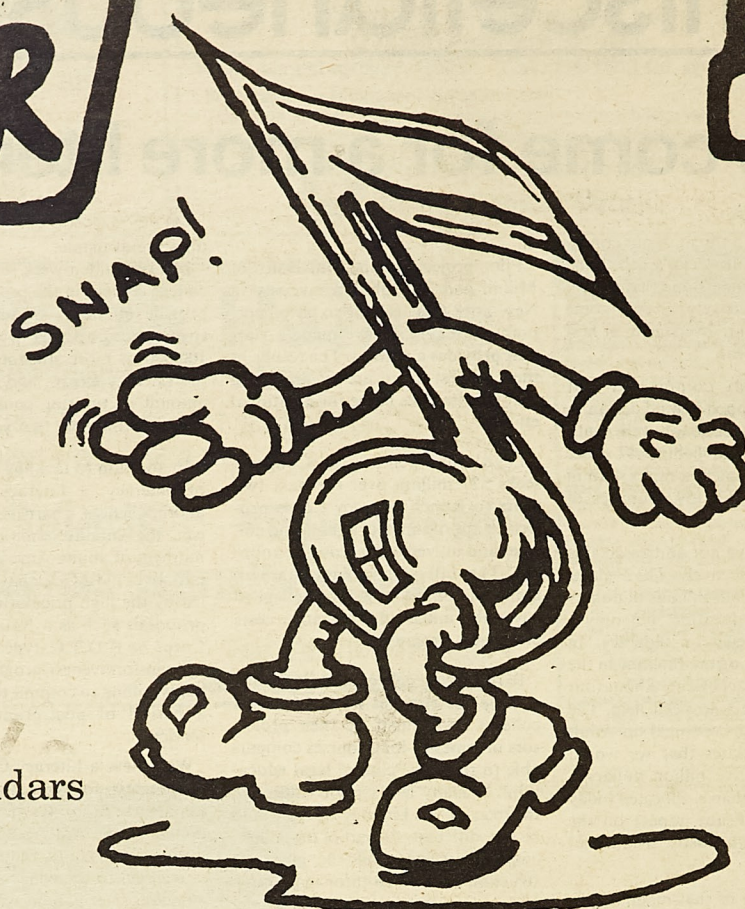
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