



29 Aug 1988

The Missouri Miner, August 29, 1988

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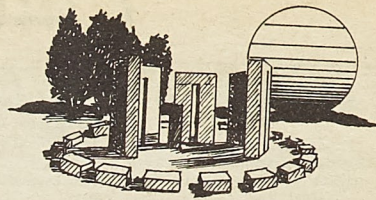
Missouri Miner

A publication of the students of the University of Missouri-Rolla

August 29, 1988

Volume 77, Number 2

Twenty Pages



Engineering Hits Home

By Nikki Pagano
Assistant News Editor

All around campus you can hear the sounds of construction. There are five fraternities involved: one is being built, another rebuilt, and three others undergoing major renovation.

Phi Kappa Theta is planning on some renovations to be completed by December. They will be putting on a new sloped roof in place of their present flat roof. The veranda will be replaced with a new one with a canopy. Also planned is all new windows and exterior doors. Steve Brady, Executive Vice President/Renovations Chairman, says the projected cost is \$180,000 and will be covered by a loan.

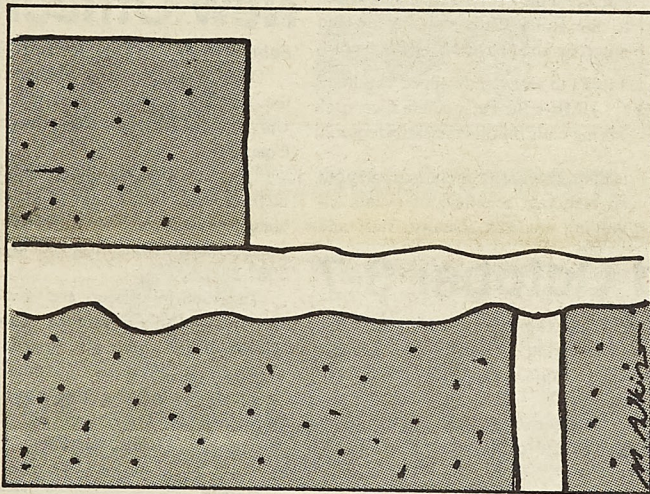
According to John Reichard, Lambda Chi Alpha's renovations are nearing an end. Their renovations consisted of: A new gabled roof, new guttering, changing an overhang into a porch on the second floor, and pillars for the entry way. Their renovations, which were covered by alumni, will be completed in about one month.

Delta Sigma Phi's renovations are quite involved. For their dining hall they are planning a new roof, a dropped ceiling, new lighting, paneled walls and tile floor. In their main house they are replacing the plumbing, painting, and laying new carpeting.

Their alumni association took out a \$60,000 loan to cover the costs of the work. According to Randy Creech most of the renovations will be done in three weeks.

Sigma Nu's new house will be ready to be occupied by January 1, at a cost of 1.3million dollars. Over fifty percent of the money needed for the construction of the new house was covered by alumni donations. Their new house is a two story brick structure with a walkout basement. It will have living quarters for 61 members

Triangle is also going to be moving into a "new" house soon After the destructive fire that occurred last winter the Triangle's have ben busy rebuilding the "old rockhouse". Triangle will have only a few changes done to the exterior. One main change will be the addition of a stair tower joining the stone and wood structures. When finished the house will hold 36 members and will adhere to all of the new building codes. In the words of Pat Conroy, President, it will be "In the old tradition, but a new house."



UMR

Ranked Ninth

Submitted by News & Publications

The University of Missouri-Rolla ranks ninth in the nation in bachelor's degrees granted in engineering, according to a survey in a recent issue of "Engineering Education," the journal of the American Society for Engineering Education.

UM-Rolla awarded 887 bachelor's degrees in engineering in 1987. UMR also ranked ninth in the survey in 1986 and seventh in the survey in 1985.

The survey was conducted by the Engineering Manpower Commission of the American Association of Engineering Societies. The survey reports data from all colleges and universities awarding bachelor's degrees or higher in engineering in the U.S. The survey has been conducted annually for 20 years.

Universities in the top 10 and their respective rankings are: Texas A&M, first; Penn State University, second; Purdue University, third; University of Illinois, fourth; Ohio State University, fifth; Georgia Tech, sixth; Virginia Polytechnic Institute, seventh; North Carolina State, eighth; UMR,

ninth; and University of Michigan, tenth.

According to Dr. Myron Parry, UMR Registrar, the total number of degrees granted from UMR currently exceeds 40,000 students. "As of May, 1988, UMR has granted 40,123 total undergraduate and graduate degrees," Parry said.

Parry explained that of this total, 34,500 were in the Schools of Engineering and Mines and Metallurgy. He added that UMR exceeded 20,000 degrees granted in June, 1972 and 30,000 in July, 1981.

UMR offers BS degrees in the

engineering fields of aerospace, ceramic, chemical, civil, electrical, geological, mechanical, mining, metallurgical, nuclear, petroleum and engineering management. Science degrees are offered in chemistry, computer science, geology and geophysics, life sciences, mathematics and physics. In liberal arts, bachelor's degrees are granted in economics, English, history, philosophy and psychology.

Red Eyes Needed

By Liz Trimble
Editor-in-Chief

Clinical Research of the Ozarks is looking for volunteers. People who have a history of red, itchy eyes at this time of year or during late August through September are needed to try a two-week treatment with an exciting new eyedrop medication. The medication is safe to use, but must be tested before being marketed. The study

requires four visits around your schedule. Two extensive eye exams will be performed at the beginning and at the end of the study. All exams, office visits and tests are at no charge to the participants, and volunteers will be paid a stipend upon study completion. For additional information, contact either Patrick Welsh at 364-7777 or B.J. Maben at 341-3555 by Wednesday, August 31.

StuCo President Visits

By Marcia Waggoner
Staff Writer

We had a distinguished visitor at last week's meeting of the Missouri Miner—Kevin Edwards, the new StuCo President. He spoke to the assembled editorial staff on his desire to avoid any further friction between the Miner and StuCo. To further this goal, a new process of reviewing expenditures for all student organizations has been established. StuCo also has a new position, public relations

officer, presently filled by Matt MacLoughlin. Matt will submit articles to the Miner concerning the activities and events of StuCo and in general keep better contact between StuCo and the UMR student body. Kevin reminded the Miner that a course in "Writing for the Print Media" is offered in which writers for the Miner could receive credit as well as payment for their work. He then concluded by inviting the Miner to send a writer to the bimonthly StuCo meetings.

Has John Brown Returned?

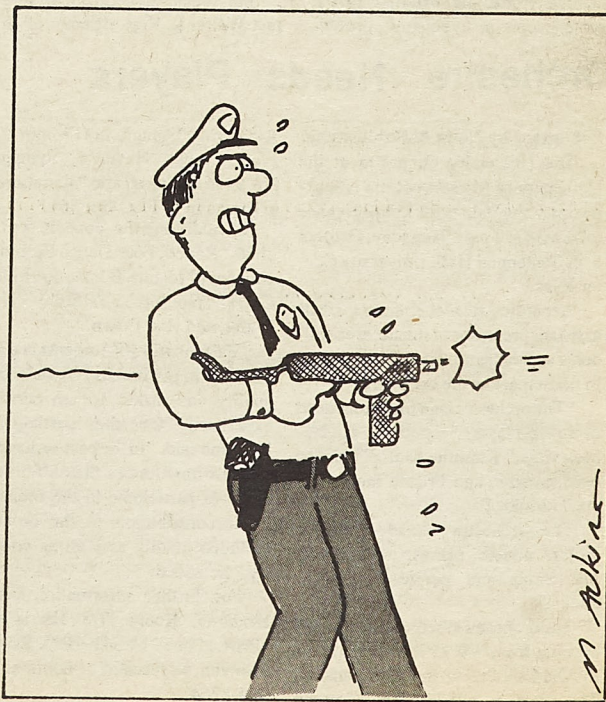
Submitted by News & Publications

University of Missouri-Rolla Police officer Tad Sweeney reported that he was fired upon by an unknown assailant while on routine patrol on the grounds of the UMR experimental mine located on Bridge School Road.

The incident occurred at approximately 1:10 a.m. Monday, August 22.

Sweeney reported that while making security checks on the various mine buildings he saw light from a flashlight in a wooded area east of the main building. He proceeded on foot toward the light and at that point he saw the flash of a muzzle blast of a firearm.

Sweeney then returned fire toward the muzzle flash and retreated to his patrol car. The Rolla Police Department and the Phelps County Sheriff Department were notified of the incident, and they, along with the UMR Police, searched the area for the suspect but did not find anyone. An investigation by the UMR Police is continuing.



Calendar of Events

MONDAY

Rugby practice starts for new members, 4 p.m. at fraternity row fields.

You are invited to Bible Study at the Baptist Student Union every Monday night at 6:30 p.m. Come take a break from the textbooks and study the real Book.

WEDNESDAY

Anyone interested in being a photographer for the Rollamo yearbook should come to the photographers' meeting in Room 304 of the Rolla Building

every Wednesday at 7 p.m. For more information, contact Jason McHaney at 364-1061 (home) or 341-4279 (office).

UMR Railroad Club meeting, 6:30 p.m., Eng. Mgt. 103

THURSDAY

Co-op Club meeting, Thursday, September 1, 9 p.m., ME105. Information for interested students and planning meeting for co-ops. Dues will NOT be collected.

Photo Club meeting, Thursday, September 1, U.C.-East, Missouri Room. New memberships,

officer elections, photo trip planning. More information, 364-8153, Matt.

19th Annual Bluegrass Pickin' Time begins, Thursdays through Sunday at Dixon Music Park, Dixon, MO. Many bands, craft booths & BBQ. More info, 314-759-7716.

UMR Film Series, "Hope & Glory", 7:30 p.m., ME Auditorium

FRIDAY

Chinese Student Association Movie Series, 6:30 p.m., G-3 Schrenk.

NEXT TUESDAY

American Nuclear Society meeting, 7 p.m., 227 Fulton. Come meet your fellow nukes! No obligation.

AIAA Film Night, 6-9 p.m., ME Auditorium

NODAY

Please note the following correction to the Student Calendar/Handbook: March 23, 1989—NO Spring Break, Classes as usual; March 24, 1989—NO Spring Break, Classes as usual.

St. Pat's Board: Greener than ever

Submitted by News & Publications

The St. Pat's Board at the University of Missouri-Rolla has elected new officers for the 1988-89 academic year.

Heading the group that will plan the festivities for the 81st annual celebration of St. Pat's at UMR will be: President—Chris Layton, junior in civil engineering, the son of Miriam and Kenneth Layton, 1021 Forest Ave., Perryville; vice president—Michael Donnelly, junior in engineering management, the son of Mary Ann and Joseph T. Donnelly, 10316 St. Ann Lane, St. Ann; secretary—John Segur, junior in mechanical engineering, the son of Arlene and Louis Segur,

9133 Desmond Drive, St. Louis; treasurer—Ken Haynes, junior in electrical engineering, the son of Sue and Jerry Haynes, 2 Bavarian Way, St. Peters; sales manager—Todd Taylor, junior in civil engineering, the son of Joann and C.E. Taylor, 3204 Butler, Springfield, Ill.; and public relations—Trace Orf, junior in nuclear engineering, the son of Evelyn and Albinus A. Orf, 1006 Josephville Road, Wentzville.

Members of the St. Pat's Board are chosen by campus organizations to represent them on the board and each student serves two or two-and-a-half years on the board.

During the fall semester, the board

sponsors design contests for sweat-shirts, buttons and bumper stickers. The sale of St. Pat's items help finance the St. Pat's celebration. The board also holds other fund-raising events throughout the year.

Board members participate in community service activities, too. Each year they volunteer their services to the Rolla Christmas Parade and entertain and provide St. Pat's memorabilia to area handicapped children.

UMR's St. Pat's celebration each spring calls for diverse skills required

to plan, execute, promote and carry out an elaborate schedule of events involving students, faculty, staff and

townspeople of Rolla and the surrounding areas. Culmination of a week of activities is the annual parade which attracts as many as 30,000 people.

StuCo Elects New Officers

Submitted by News & Publications

Officers recently were elected for the 1988-89 academic year for the University of Missouri-Rolla Student Council.

"The new officers have assumed their respective offices and their associated responsibilities," said Sean Foote, Student Council president for 1987-88.

The 1988-89 officers are: Kevin Edwards of Rolla, president; Kevin Gibson of Florissant, vice president/external; Bob Phillips of Dixon, vice president/internal; Jeannine Dubuque of St. Louis, treasurer; and Rebecca Vanderwall of Rolla, secretary.

Aerospace Course Offered October 3-7

Submitted by News & Publications

A short course to provide engineers with a better understanding of computational fluid dynamics and hypersonics will be offered at the University of Missouri-Rolla October 3-7.

The course, "Computational Fluid Dynamics (CFD)-Hypersonics," will cover the development of computational methods for high-speed flows, aerothermochemistry, topics in chemically reacting external flows, new concepts in hypersonic propul-

sion, turbulence and radiative effects in hypersonic flows, wave rider configurations, and the application of CFD in hypersonic vehicle design.

UMR Chancellor Martin C. Jischke will welcome course participants at 8 a.m. Monday, October 3.

Fee for the course is \$935 and includes course textbook, instruction, handouts, certificates, and a dinner.

For registration information contact Walter L. Ries, director of Engi-

neering Continuing Education, 111 Engineering Research Laboratory, UMR, Rolla, MO 65401, phone 314-341-4132.

For technical information about the course contact Dr. K.M. Isaac,

assistant professor of aerospace engineering, 225 Mechanical Engineering, UMR, phone 314-341-4604.

The course is being sponsored by Engineering Continuing Education at UMR.

Orchestra Needs Players

Submitted by News & Publications

The University Orchestra at the University of Missouri-Rolla is seeking instrumentalists for a performance to be held at 2 p.m. Thursday, October 6, in Centennial Hall, University Center-East.

According to Joel Kramme, UMR assistant professor of music, area residents as well as students are welcome to participate in the orchestra.

"The orchestra is in particular need of string players, especially double-bass violas," Kramme said. "We also need bassoon and French horn players," he added.

The orchestra includes violins, violas, double basses, woodwinds, brasswinds and percussion instruments.

The orchestra meets each Thursday evening from 7-9:15 in Room 101 of the Old Cafeteria on the UMR campus. The program will include: Tomaso

Albinoni's "Adagio in G Minor," and Franz Joseph Haydn's "Symphony No. 94 in G Major" and "Variations on a Theme in B-Flat, Op. 56a."

In addition, the concert will include "Rodeo, Four Dance Episodes," which will feature Buckaroo Holiday, Corral Nocture, Saturday Night Waltz, and Hoe Down.

"Participation of students and non-students in the orchestra enhances its quality and makes for an enriching experience for the participants," Kramme said. "In the past we have had persons travel more than 60 miles to Rolla to participate in the orchestra. Their contribution to the orchestra included quality as well as continuity," he added.

For further information contact Kramme, Room G-8 Harris Hall, UMR, phone 314-341-4109. Kramme also can be reached at home at 314-364-8264.

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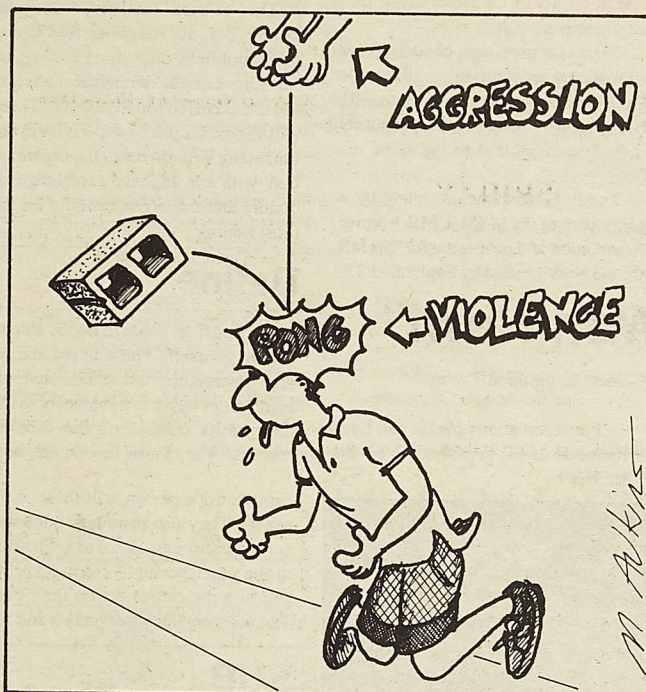
Features

The Call(um) to Define: Violence or Aggression?

By Marcia Waggoner
Staff Writer

The word "violence" is defined in many ways. In Webster's, it first is an exertion of physical force so as to injure or abuse. Next, it is injury by or as if by distortion, infringement, or profanation. Then, it becomes "intense, turbulent or furious and often destructive action or force," then "a clashing or jarring quality, discordance." It is the last two aspects of the word that I will focus on. The first two, however, should not be forgotten. The words used and their connotations are important—injury, abuse, distortion, infringement, profanation. Note the negative connotations here. The other two definitions do not have these connotations, but they should not be forgotten. Violence, for whatever purpose, always has those overtones.

When you say "intense, turbulent, or furious," you do not always mean it negatively. The action in a food processor is turbulent; love is intense; a mother is furious when her children



are hurt. These are not destructive forces; they are not bad, not dangerous. They can cause damage. Violence in this context is usually justified and condoned in American culture. A defendant accused of criminal violence will try to cast the action in these terms; the prosecutor will focus on the distortion, abuse, and profanation that could be part of any violent action. Usually the case is decided upon who is more persuasive, not what actually happened. You usually know that. The rest is in how you interpret it.

Aggression, to me, is the darker side of violence. It is unjustified. Webster defines it so: 1) A forceful action or procedure; 2) The process of making attacks or encroachments; or 3) Hostile, injurious, or destructive behavior or outlook, especially when caused by frustration. The last is a

carry-over from the intense, turbulent, and furious violence. Aggression is dangerous, destructive, and injurious. It is counter-productive. It is violence gone wrong. It is dangerous. Violence very easily gets carried away and becomes aggression. Aggression cannot be controlled, or very rarely. In a crowd, or whenever many, many people are present, it is rarely if ever possible to control. This is what happens in wars.

Aggression is what non-violent people, or pacifists, seek to avoid. They recognize that violence in any setting is hard to control and is better avoided. If a person consistently thinks that violence is "OK, under certain circumstances," he or she will be likely to find those circumstances. Likewise if you think that violence is

see Define, page 4

Unaffiliated Reps provide government

Submitted by Matt McLaughlin
Public Relations Chairman, StuCo

The Student Council (StuCo) is the representation of the students of UMR in their dealings with the University, the city of Rolla, etc. Since Student Council wishes to represent the entire student body, the means must be provided to ensure that students who do not belong to an organization which is represented can be heard. This requirement is filled by the Unaffiliated Representative.

The Unaffiliated Representative is simply a student who belongs to no organization represented on StuCo. To become an Unaffiliated Representative, a candidate must collect the signatures of at least 50 other unrepresented students on an official ballot. Upon verification of the ballot, the candidate is instated as a regular



member of the Council with full voting rights. Unaffiliated Representatives are among the most active members of StuCo, including in their numbers the current president, Kevin Edwards.

So, if you feel unrepresented, here is your chance to do something about it. If you have what it takes to be an Unaffiliated Representative, ballots and additional information are available in the StuCo office, 202 University Center-West, above "The Butcher, Baker, Ice Cream Maker." Or, if you are as busy as most students, but still want your voice to be heard, pick a candidate and give him or her your vote. Information on all candidates will be posted on the StuCo bulletin board near the Hockey Puck. But whichever you decide to do, act soon since completed ballots must be submitted as early as possible. Remember, StuCo can only represent you if they know what you want.

SUB welcomes UMR students

Submitted by SUB

Well!! Isn't it nice to see all those oh-so-familiar faces of all our wonderful professors again? I'm sure you're just as happy to be back at old UMR as I am.

On behalf of all of us here at the Student Union Board, I'd like to officially say "Welcome back!!". Don't you feel better now? I know I do.

So, how was your summer? Oh, I see—a little warm at Geology Field

Camp, eh? Mine was fairly sizzling on the highway construction site (asphalt paving, of course), so I can sympathize deeply. But we're back in Rolla now (no applause, just throw money), where the weather can never be complained about and we can all feel at home (for the next five to seven years).

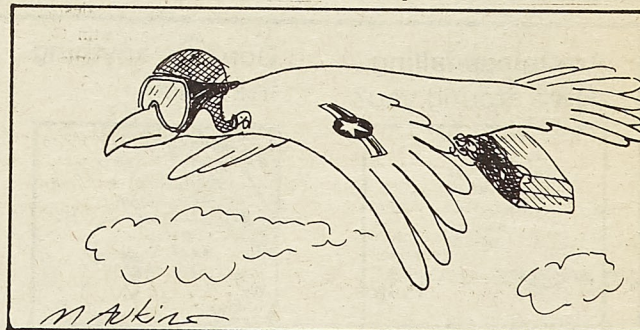
Don't despair!! Once again, your local Student Union Board is coming your way with more performing artists, plays, concerts, outdoor activities

and last (but not least), more hit movies!! The fall line-up includes such box office smashes as Good Morning Vietnam, Shoot to Kill, Wall Street and Throw Momma from the Train. Also showing will be such classics as The Maltese Falcon, Caddy Shack, Butch Cassidy and the Sundance Kid and The Rocky Horror Picture Show—just to name a few. Don't miss any of them!! Pick up a SUB Movie Schedule

see SUB, page 4

Submitted by AFROTC

That's right, the Air Force ROTC Detachment at UMR has finally settled into its new location on the second floor of Harris Hall. Many changes have been made. New signs



have been hung and people have new jobs—all of which are aimed at developing "Leadership Excellence." The signs and the new building are not the only changes that have been made to the Corps.

The Detachment also welcomes a

new member to its cadre, Major Gerald Wempe. He will be the new Commandant of Cadets. His previous assignment was at Rhein Main AB in Germany where he was a C-9 instructor pilot and Operations Officer for the 55th Aeromedical Airlift Squadron. This squadron's main function is to

Angel Flight opens fall rush

Submitted by Angel Flight

Interested in Angel Flight? Great, just stop by the second floor in Harris Hall, Room 207, and give us your name and number. That way we can be sure to invite you to our rush parties.

Angel Flight is a great way to meet people and make many good friends. We give tours of the campus—a super way to learn more about your new

school and build leadership skills and confidence.

We have many activities, such as parties, picnics, bake sales, and the popular rock-a-thon plus many more. Come and have a great time. You'll go away with some terrific memories.

If you are interested in new faces and names, stop by the second floor in Harris Hall, Room 207, and leave your name and number. We'll be in touch.

Alumni provide project grants

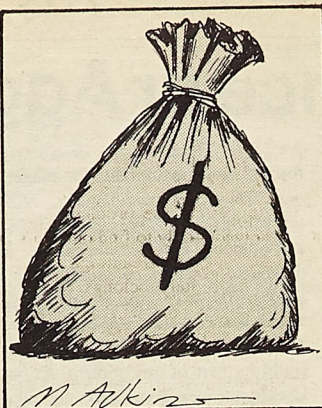
Submitted by MSM-UMR Alumni Association

This semester there are some spots open in the MSM-UMR Alumni Association-sponsored Educational Assistant Program.

The program provides financial support to undergraduate students involved in meaningful and challenging projects directed by a faculty member.

The student must be enrolled full time, be in good academic standing and not on appointment as a student in any other activity on campus.

It is intended that the project be



designed by the student and the supervising faculty member working as a team. The project must be of real educational value to the student and of importance to teaching and/or research efforts of the supervising faculty member.

Forms for proposals of support for educational assistants are available for the Alumni/Development Office, 101 Harris Hall. Completed proposals should be submitted to the same office.

Funding decisions are made by a committee of the MSM-UMR Alumni Association and proposals for this fall should be submitted by September 15.

STUCO News:

Blood drive scheduled

Submitted by Paul Hamman
StuCo Blood Drive Director

They're back! And they want your blood! Yes, the American Red Cross Bloodmobile is once more coming to our fine campus with free cookies, soda, and coffee for all donors. There will also be 1/2 price coupons for Pizza Inn, along with prizes to the organization with the highest percentage of donors and the organization with the most donors.

UMR has led the Springfield region in donations for the past seven years, and with your help, it will continue to hold that honor. The Blood Drive will take place in Centennial Hall, University Center-East from 11:30 a.m.-5:30 p.m. on Tuesday and Wednesday, September 6 & 7. So, eat hearty over the Labor Day weekend to build up your strength, and come help make this a record year for Blood Drives at UMR.

Define

from page 3

never justified, you will not be able to defend yourself. I have heard martial arts instructors tell their students many times never to fight, never to use their skills outside of the training context. They know how lethal, how

results are not pretty.

This cycle works on most scales. A country fears aggression from its neighbor and attacks it defensively, but the recipient sees it as aggression. Members of one race or clan may fear another, and interpret all their acts as dangerous aggression. Violence is not always bad, but it always has those overtones and can always be misinterpreted. Are you disciplining your children, or are you abusing them? Be careful; it is a very thin line.

SUB

from page 3

from the SUB office or watch this column for show times and locations.

about tent rentals also. Enjoy the great outdoors!

Another great way to beat the humdrums and the heat is to drop by On the Loose—UMR's own wilderness outfitters. A float trip with friends is the perfect way to spend Saturday. Perhaps you want to stay overnight too—no problem. Ask

That wraps it up for the SUB news at the moment, but keep watching for more info on those wonderful SUB activities coming your way this semester. Meanwhile, take consolation in thinking about having almost two weeks of school down—only fourteen left to go. See ya!!

Audubon Society holds "Wolf Howl"

Submitted by Audubon Society

Wolves...in Missouri? Yes! Wolves, cougar, and bear once roamed out Ozark hills. Today, a pack of red

walk to hear the wolves howl.

The Ozark Rivers Chapter of the National Audubon Society plans to attend a "Wolf Howl" on Friday, September 16 at 7:15 p.m. The public is

meet the group at Tyson.

For reservations please call Lynda Richards at (314) 364-8567 by September 1.



wolves lives just west of St. Louis in the Wolf Sanctuary at Tyson Research Center. The Sanctuary's popular "Wolf Howl" program includes a slide presentation, a movie, and a 1/4 mile

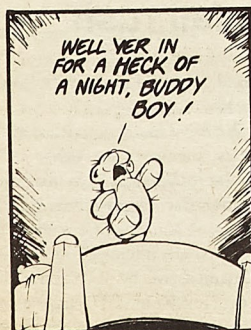
invited. A \$5 donation (\$3 per child) is requested. Those interested in carpooling should meet at 5 p.m. at the northeast corner of the Rolla Kroger parking lot. Others are welcome to

Audubon monthly evening programs in Room 216 of the Computer Science Building on the UMR campus will resume September 12 with a speaker on recycling.

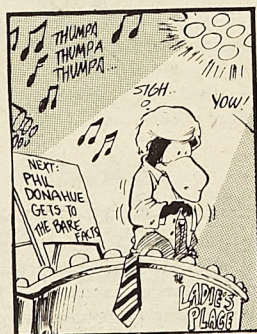
Are things falling down around you?



Drop by one of our weekly meetings.



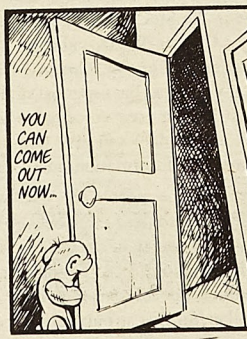
Don't do anything irrational!



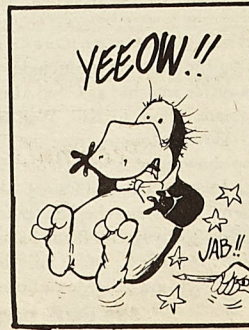
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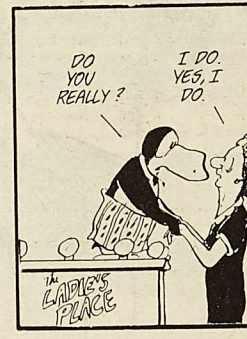
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Killer Spores Attack Deadly Ozone Problems

Submitted by Neil Erickson
Bridge Publications

It's well known that individual initiative is the key to getting anything big done, and Bridge Publications, a West Coast publisher famous for its bestselling L. Ron Hubbard books, has a unique solution for the "greenhouse effect" and the ozone depletion crisis facing the world today.

"The idea came from reading L. Ron Hubbard's science fiction series *Mission Earth*," says Scott Welch, Senior Vice President at Bridge. "In *Mission Earth*, L. Ron Hubbard suggests that it may be possible to produce spores or bacteria that would eat harmful air pollutants, the chief contributors to both the "greenhouse effect" and ozone depletion. It's quite an

ingenious idea."

Pollutants pile up in the air and form a kind of blanket creating the "greenhouse" situation. The infra-red rays pour in but the heat can't escape easily as the blanket gets thicker. So it gets hotter and hotter. Other pollutants, chlorofluorocarbons (CFCs), are tearing up the ozone, eating away at it. You could reverse the entire crises by creating a spore that would eat the pollutants instead, demolishing the blanket and eliminating the CFCs. This would restore the sky's natural properties.

Science fiction? Well, yes, it is. "That's the role of science fiction in civilization," says Welch. "As L. Ron Hubbard pointed out, 'Science fiction does not come after the fact of a sci-

entific discovery or development. It is the herald of possibility. It is the plea that someone should work on the future.'"

Welch is currently speaking with concerned scientists to explore the new ideas for viability and implementation. As well, they are searching for avenues for research funding.

Reknowned bio-chemist and microbiologist, Dr. Robert Rutman, suggests that the potential crisis facing human life is more serious than the AIDS threat.

"There is \$850 million for AIDS research," he points out, "and none for the ozone, 'greenhouse effect' or other serious pollution problems."

Why did Welch and Bridge Publications become involved?

"It's obviously a situation that affects everyone of us on Earth," says Welch. "Back in 1978, when the ban

on aerosol cans containing CFCs was ordered, I, like many other people thought that the problem had been resolved—only to find out years later that I was pipe-dreaming. The spores idea definitely belongs to a future technology that will need extensive research development, but till now, there has been really nothing—no viable idea at all to handle the situation before it becomes uncontrollable."

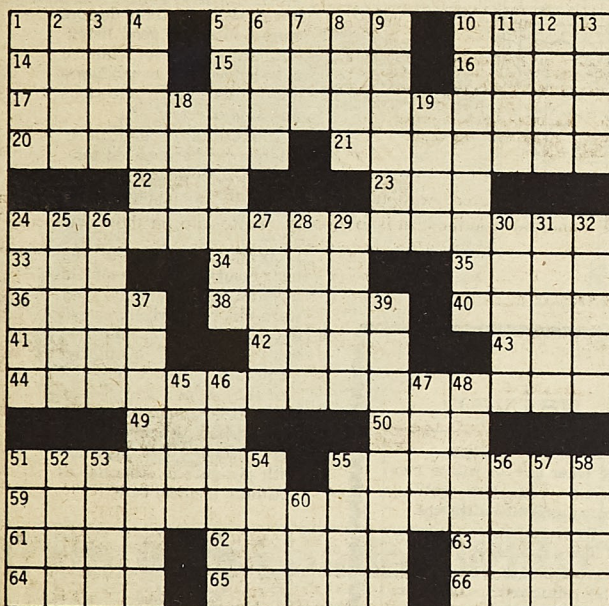
Welch is definitely not alone in his thinking. Researchers at Utah and Michigan State Universities affirm that the use of spores is not outside the realm of possibility. They are cur-

rently working with a natural fungus whose spores detoxify DDT, the deadly chemical dioxin, and other poisons, resulting from modern industrial chemistry.

Recently, U.S. industry was also able to develop a bacteria that lives on ocean oil spills. It may not be long before an airborne pollutant-eating bacterium could be developed. The trick is to design it so that it exclusively eats pollutants, and when done with that, eats itself, and so vanishes.

Welch is optimistic though. "Our scientists are pretty good actually, and taking a cue from L. Ron Hubbard's *Mission Earth* they may come up with something to handle the crises. It's a good time for everyone to put their shoulders to the same wheel."

Fun & Games



© Edward Julius Collegiate CW83-31

ACROSS

- 1 Paleozoic, Mesozoic, etc.
- 5 Car accessory
- 10 Soviet news agency
- 14 Function
- 15 Parenthetical comment
- 16 Jal —
- 17 Principle of economics (3 wds.)
- 20 Provide evidence
- 21 With 60-Down, house pet
- 22 — volta (once, in music)
- 23 Suffix for diction or honor
- 24 Promissory note, e.g. (2 wds.)
- 33 Ms. Gardner
- 34 Sea eagles
- 35 French resort
- 36 Poet Teasdale
- 38 Novelist Philip and actress Lillian
- 40 Type of restaurant, for short
- 41 Seed covering
- 42 — school
- 43 Was a candidate
- 44 EDP personnel (2 wds.)

- 49 Map abbreviation
- 50 Company bigwig (abbr.)
- 51 Alleviate
- 55 Chemical catalyst
- 59 EDP equipment (2 wds.)
- 61 Subject of the movie, "Them"
- 62 South American animal
- 63 Home —
- 64 Nearly all
- 65 Like some breakfast foods
- 66 Mah-jongg piece

DOWN

- 1 Formerly, formerly
- 2 Debauchee
- 3 European range
- 4 Deviated —
- 5 Traveler on foot
- 6 British phrase
- 7 Wrestling maneuver
- 8 Actor Byrnes, et al.
- 9 Phone again
- 10 1957 movie, " — the Bachelor"
- 11 Winglike parts
- 12 — souci
- 13 Beef quantity

- 18 The bottom —
- 19 O.K. Corral participant
- 24 Houses, in Hermosillo
- 25 Reproductive organ
- 26 1961 baseball MVP
- 27 Farmer's concern
- 28 Prefix for mural
- 29 Extremely pale
- 30 Seashore structures
- 31 Brilliance of success
- 32 Bridle attachment
- 37 Unselfish person
- 39 Astronaut
- 45 "L' —, c'est moi"
- 46 Prefix for maniac
- 47 China's "Great — forward"
- 48 Cultured milk
- 51 Economist Smith
- 52 — Japanese War
- 53 Bilko and York (abbr.)
- 54 First name in jazz
- 55 Site of 1960 Olympics
- 56 Toilet case
- 57 Ms. Carter
- 58 Subject of Kilmer poem
- 60 See 21-Across

see Solutions, page 8

Classifieds

Miscellaneous

Wanted: Writers for the Missouri Miner Features, Sport and News sections. Five dollars per story, plus 50 cents/column inch rate. If interested, please attend our staff meetings at 6 p.m. on Thursdays on the 3rd floor, Rolla Building.

UMR Ladies,

You are cordially invited to join us Monday evenings, 8:30 p.m., 525 TJ Hall, as we look into the Gospel of Matthew: Being Discipled by Christ. IVCF Women's Small Group

Last Chance!! Experienced drummer looking to join or form a rock'n'roll party band. Call Mark at 341-3803.

MSM Climbing Club: The Climbing Club is looking for a faculty advisor. For more information, call Steve Brady at 364-9885.

Calling all old members of the UMR Tae-Kwon-Do Club. Practice in session: M/W/F 3:45-5:30 p.m. Demonstration next Tuesday, 8/30, at 3:45 p.m. at the Multi-Purpose Building. All are welcome. Recruiting new members for the Fall. Instructor: Steve Shinn.

Starting Thursday evening, you can pitch a tent for a full weekend of bluegrass music or pick a day or two to visit the 19th Annual Bluegrass Pickin' Time. Whether listening to one of the many bands scheduled, browsing the many craft booths or enjoying spicy barbecue, you will feel at home in Dixon Music Park during this celebration. Call 314-759-7716 for information.

From the "Missouri Fall Fun Calendar"

Help Wanted: Part time sales position in men's clothing for male students. Call 364-2323 and ask for Russ.

If you don't have a Student Calendar/Handbook yet, pick one up in the Student Activities Office, 113 University Center West. FREE.

Addendum to Student Calendar/Handbook: March 23 & 24, 1989, NO Spring Break. Classes as usual. Sorry!

Females wanted to be Angels.

Personals

Death Row prisoner, Caucasian male, age 42, desires correspondence with either male or female college students. Wants to form a friendly relationship and more-or-less just exchange past experiences and ideas. Will answer all letters and exchange pictures. If interested, write to Jim Jeffers, P.O. Box B-38604, Florence, Arizona 85232.

Congratulations to all the new Kappa Delta Pledges: Amy, Jill, Danne, Kelly Ann, Rolynda, Anna, Leigh, LaChelle, Tara, Amy, Lovie, Trisha & Reel!!! You are the best!!!

Lynnard,

I hope this semester will be your best ever. You know my shoulder and heart are always open. Wink, Wink Green Thumb

A.A.S.,

Welcome back! A.F.

Plant Thief,

You stole a potted plant from my front yard. The plant was very dear to me. It was a gift from my mother's death bed. I hope that you may feel the same emotions that I did when I acquired the plant.

Mourning Again

Kim & Katie,

Get a bigger trough. 'Who was that Pike's girlfriend, Jim? Get out of the bathroom, Carl!

Welcome back, IFC Reps!

Love, Green Onion

Interested in being an Angel? Join Angel Flight!

Nina,

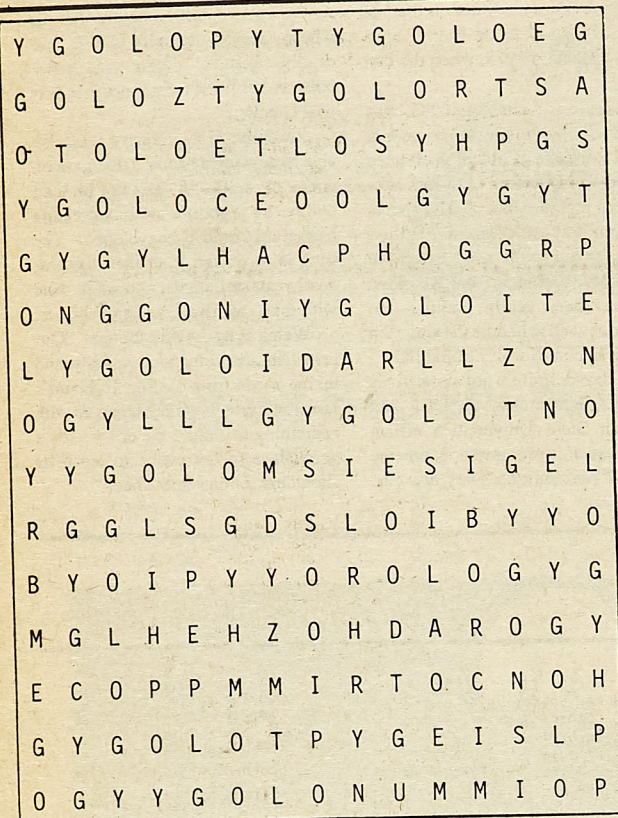
Thank you for all your help. I don't know what I would do without you.

Love in A.O.T., Green Onion

Congratulations to the new Kappa Delta/Kappa Alpha couples.

Angels, get ready for a great semester.

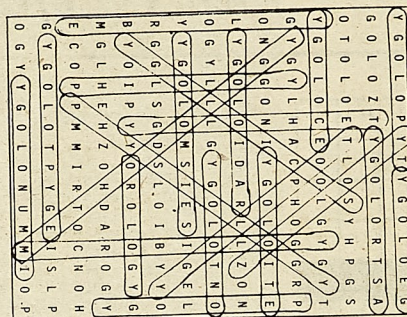
collegiate camouflage



Can you find the hidden OLOGY's?

ASTROLOGY
ECOLOGY
EGYPTOLOGY
EMBRYOLOGY
ETIOLOGY
GEOLOGY
IMMUNOLOGY
METHODOLOGY
MICROBIOLOGY
ONTOLOGY
OROLOGY

PENOLOGY
PHILOLOGY
PHYSIOLOGY
RADIOLOGY
SEISMOLOGY
SOCIOLOGY
TECHNOLOGY
TOPOLOGY
TYPOLOGY
ZOOLOGY



SPI AH Games D & D Supplies
ROLLA CRAFT & HOBBY
1009 Pine Rolla, MO 65401 364-5581

SEE YOUR DOCTOR

Room For Improvement In Doctor Patient Communication?

Is there room for improvement in doctor-patient dialogue on medication? A recent national survey indicated there was. The survey polled 400 patients: 200 had visited their physicians at their offices and 200 had been hospitalized within six months.



If you fail to take your medicine properly, it could be a result of poor communication between you and your physician.

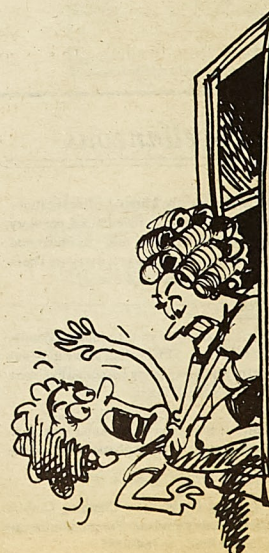
In the survey, sponsored by Miles Pharmaceuticals, a leader in enhancing doctor/patient relationships, nine out of ten said their doctors were polite and good listeners. Many, however, claimed to be left on their own to figure out details about medications and side effects.

The results are particularly interesting because doctors, themselves, said in a separate survey that poor communication was a major factor in patients' failing to take medicine properly. According to the newer survey, 36 percent of hospital patients said they were not regularly informed about the medications they were prescribed. Similarly, 30 percent of office patients said they were not told what their medication would do.

Physicians overwhelmingly agree good communication with patients is essential to optimum medical care.



In old England, the word "child" referred only to a girl.



Key Sport and Sigma Chi 5K run

present the
1st annual

Derby Days Dash

September 10

The race will start at 10:30 a.m. There is a \$5 entrance fee which gets you a race T-shirt and free Pepsi. Domino's will make lunch available after the race. To enter, fill out and return this form

Proceeds Go To
Wallace Center
for Children

Entry form and waiver

I know that participating in a 5K run is potentially a hazardous activity. I should not enter and run unless I am medically able and properly trained. I also know that although race officials will supply protection along the course, there will be traffic on the course route. I assume the risk of running in traffic. I also assume any and all other risks associated with this event including but not limited to falls, contact with other participants, the effects of weather and the conditions of roads, all such risks being known and while traveling to and from or participating in this event.

Knowing these facts, and in consideration of you accepting my entry, I, for myself, my heirs, executors and administrators, waive and release any and all rights and claims for damages I have against the Sigma Chi Fraternity, all sponsors and their representatives, any race officials or volunteers, from any and all claims of liability for death, personnel injury, property damage and/or loss of any kind or nature whatsoever arising out of or in the course of my participation in this event.

This release and waiver, extends to all claims of every kind or nature whatsoever, foreseen or unforeseen, known or unknown.

signature _____ date _____
name _____
address _____
city _____ state _____ zip _____
age _____ sex _____ shirt size S M L XL phone _____
send form plus check to: Derby Days Chairman
1310 Pine St.
Rolla, Mo. 65401

Sports

1988 Football Season Approaching Quickly

By Jim Reed
Sports Editor

When discussing UMR, people usually don't think about sports first. That is why a lot of people are surprised to find out that we have a respected football program. The Miners were conference champions as recently as 1983 (tied with CMSU), and placed second in 1985. The past couple of seasons have been a little disappointing, but things appear to be improving.

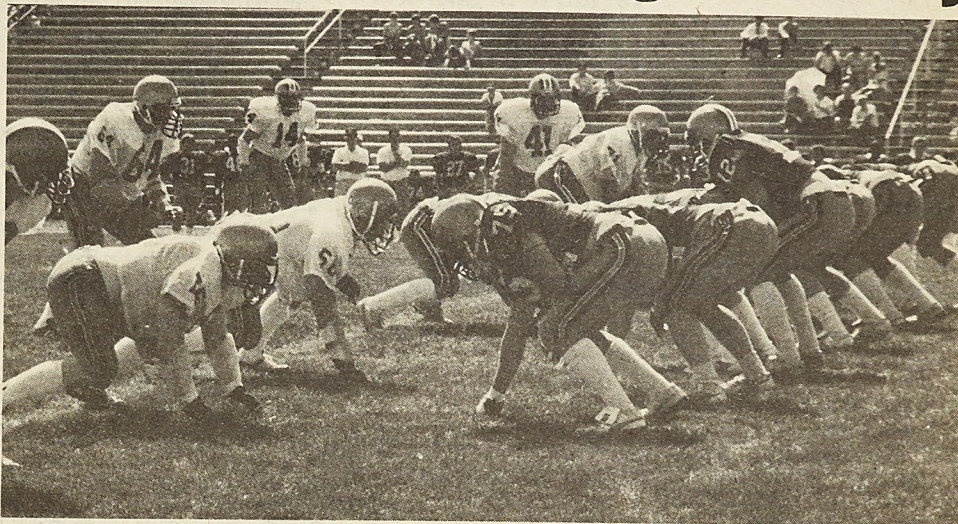
This season will be a rebuilding year for the Miners with a lot of new faces. A lot of backup positions are being filled by freshman who will be gaining experience for the future. These new freshman were the product of a very good recruiting year.

Does this talk of the future mean a poor season for the Miners? That depends on a few things. If injuries occur in some key areas, this may be a

long season. The defensive secondary, and offensive line and backfield are shallow, with almost all freshman second string. If the offensive line suffers any injuries, the Miners strong running game may suffer. Another key area is the kicking game that the Miners have come to rely on. Jim Zaeny holds virtually every kicking record in Miner history and needs to continue his excellence for the team to be successful.

So far there haven't been a lot of problems with injuries. Bret Riegel, the outside linebacker, will miss a couple of games with a pulled hamstring, but this is the only serious injury to this point.

With a few breaks in the Miner's direction this will be a good season, so come out and support your team for the season opener September 3 against Missouri Western.



Miners scrimmage in preparation for opening day. (File Photo).

TKD Club Offers Instruction

Submitted by TKD Club

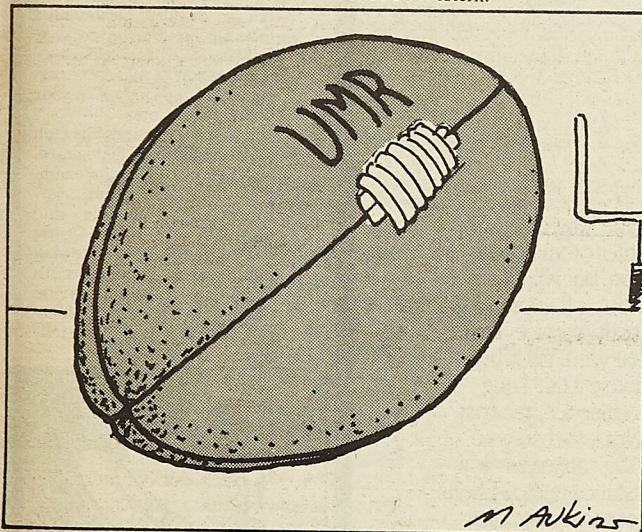
The UMR TKD Club welcomes everyone back!! We are ready for another great semester of training and competition. The TKD Club is the only club on campus that offers you the opportunity to study the ancient Korean art, Tae Kwon Do. The TKD Club is open to all UMR students, faculty, staff, and relatives of any of the people mentioned. Classes are held at the Multipurpose Building on Monday, Wednesday, and Friday from 3:45 p.m. to 5:30 p.m. Anyone interested in joining the club may stop by any of the workouts or contact Dr. Look in Room 204 of the ME Building,

or they may contact Steve Shinn at 341-3599.

The TKD Club does exceptionally well in both state and national tournaments, as well as the locally sponsored tournaments. Members of the club who compete often rank within the top five. Our success in the tournaments can be attributed in part to the special tournament training introduced to the club by our returning instructor, Steve Shinn.

The club is getting psyched up for an even better year of competition and training under the tutelage of Steve Shinn. Steve Shinn graduated in May of 1987 from UMR with a BS in Ce-

ramic Engineering and went on to the US Olympic Training Center at Colorado Springs to begin training for the 1988 Olympic games to be held in Seoul. Steve fought in the 14th US National Championship held last April in Miami, Florida. He captured third place out of 109 of the best competitors in the United States. The club is excited about his return and the knowledge that he gained during his training for the Olympics. With the experiences brought back to the club by Steve, the UMR Tae Kwon Do Club expects to do very well in the upcoming year on all levels of competition.



Intramurals Loaded With Opportunities

By Dave Belloli
Assistant Sports Editor

For those of us who don't play Varsity sports, there is something else here at UMR that gives us an outlet to show our athletic ability. Starting Wednesday August 31 the 1988 intramural sports season begins. This semester is full of opportunities for everyone to compete in some sport. There is not only the big team sports such as flag football, soccer, and vol-

leyball, but also such sports as golf, tennis, swimming, billiards and much more. There is definitely something for everyone. Throughout the year there are 17 sports that men can compete in and 13 sports for women, so there is no excuse not to get involved and have a good time competing in intramurals.

Those who want to get involved right away can get started Wednesday night with flag football. Other sports to look forward to this month are golf,

tennis, horseshoes, and racquetball. This year's football season should be quite competitive with Sig Ep defending the mens' title and the Little Sisters of Sigma Chi the Ladies. Both look very strong again this year, but will have some tough competition before they can repeat. Even if you don't play the sport you will have a good time just going out and cheering for your organization.

Whats Up With Those Cardinals and Their Management

By Jim Reed
Sports Editor

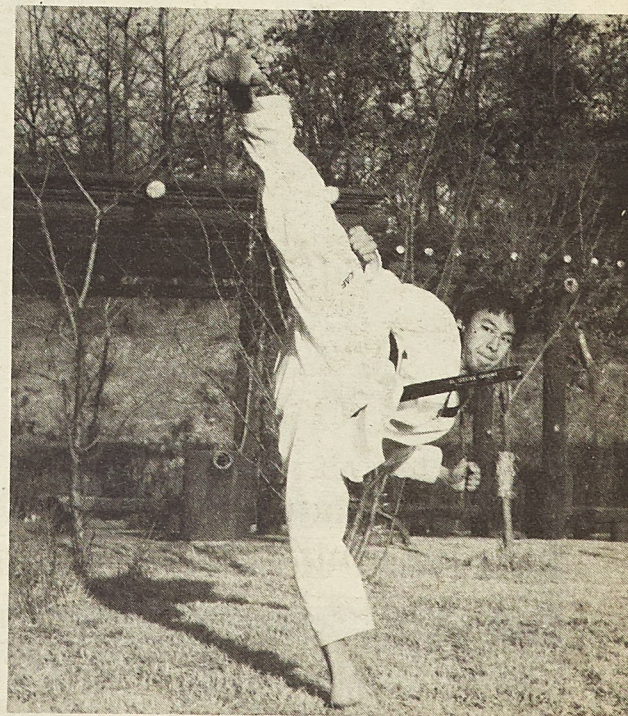
It's getting to that point in the season where the contenders are well defined and some interesting things start happening. Fans start going to Cubs games just to watch them lose (and to watch them play at night), rookies get chances at winning starting spots, and some really strange trades take place. The Cards have been out of the race for quite some time, and the upper

management had plenty of time to contemplate their mistake in letting Clark go to the Yankees. So what do they do, make a trade for Tom Burnansky, a very good move. They opened up a spot for a promising young second baseman while having the security of Oquendo if things didn't work out. They also filled that weak right field spot with a very powerful hitter, and a solid fielder.

But with a great trade under their

belts, the big guys in suits decided to try again. This time it was a big mistake. They gave up one of the best lefties in the NL for an old man with a bum leg.

Not being from St Louis, I can sit back and laugh, but you Cardinal fans have to wonder what is going on and hope they decide they don't need any more power.



Steve Shinn shows off his skills. (Photo by TKD Club).

Student Activities and University Center

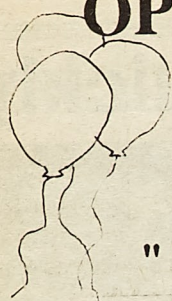
OPEN HOUSE

September 7 and 8, 1988
10 am to 3 pm

UC WEST

" We're Here For You!! "

Door Prizes: Bookstore Gift Certificate Each Day



ACADEMIC SUCCESS STRATEGIES

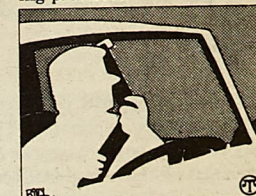
Do you seem to be having problems academically, but are unsure what may be causing these problems?

Dr. Camille Consolvo will be facilitating a group beginning September 12 to discuss time management, stress management, test anxiety, effective study skills, and self-motivation. The group will meet on five consecutive Mondays from 2:30 to 3:30 p.m. Attendance is required at all sessions.

Due to limited enrollment interested persons must contact the Counseling Center, Room 106 Rolla Building, or phone 341-4211 to sign up for the group. Room location will be announced at that time.

DETERMINE IF YOU ARE A SAFE DRIVER

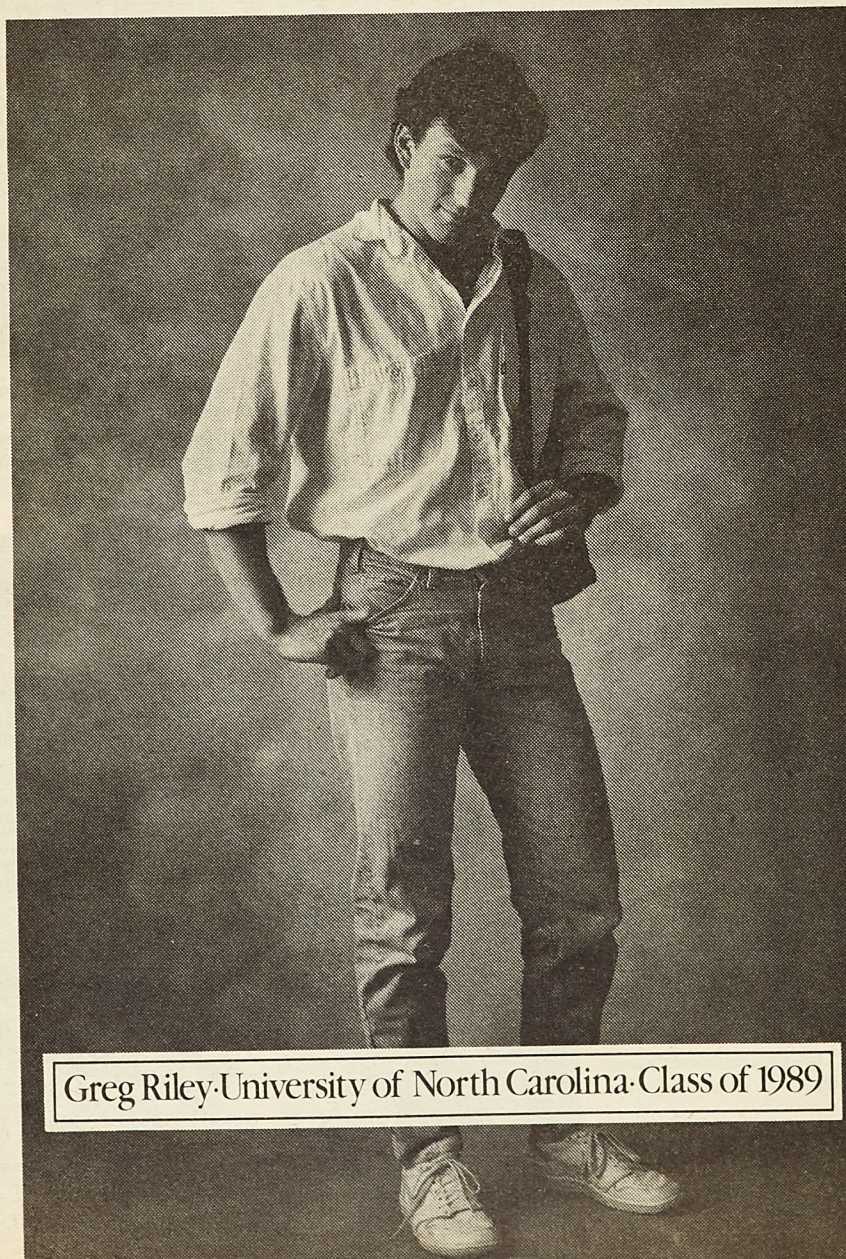
Where there's a wheel, there's a way to drive safely. Here are ten reminders from Shell Motorist Club to help you evaluate your safe driving practices.



One safe driving practice: buckle up!

- Wear safety belts at all times.
- Before you drive, take a moment to check tires, mirrors, seat positioning, headlights, taillights and brakes.
- Stay at least two seconds distance from the vehicle in front of you.
- Give driving your full attention, avoid distractions.
- Avoid jackrabbit starts and weaving in and out of traffic.
- Yield the right of way.
- Check blind spots before you change lanes.
- Never drink and drive. It's a deadly, documented fact: alcohol is involved in at least half of all fatal collisions.
- Assemble your own emergency kit and carry it in your trunk at all times.
- Join an automobile club as an additional safeguard. Shell Motorist Club for example—an independent, fee-supported automobile club open to all drivers—reimburses members for towing and road service calls. For information on the club, write: SMC, P.O. Box 2463, Houston, TX 77001, or call toll-free: 1-800-621-8663.

“I don't want a lot of hype. I just want something I can count on.”



Greg Riley-University of North Carolina-Class of 1989

Some long distance companies promise you the moon, but what you really want is dependable, high-quality service. That's just what you'll get when you choose AT&T Long Distance Service, at a cost that's a lot less than you think. You can expect low long distance rates, 24-hour operator assistance, clear connections and immediate credit for wrong numbers. And the assurance that virtually all of your calls will go through the first time. That's the genius of the AT&T Worldwide Intelligent Network.

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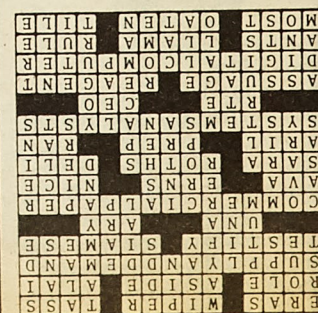
If you'd like to know more about our products or services, like International Calling and the AT&T Card, call us at 1 800 222-0300.



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Solutions



Placement

OKLAHOMA GAS & ELECTRIC
P.O. Box 321
Oklahoma City, OK 73101
attn: Ms. Millie J. Tibbits

NUMBER OF SCHEDULES: 1
MAJORS: BS in EE, ME
POSITIONS: Plt. Engineer & Engineer in Trans. & Dist.
LOCATION: various Oklahoma locations
DEC. 88 grads
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED

DEADLINE FOR TURNING IN RESUMES: Wednesday, Sept. 7, 1988
INTERVIEW DATE: Tuesday, Oct. 4, 1988

FISHER CONTROLS-AUSTIN
8301 Cameron Road
Austin, TX 78753
attn: Ms. Barbara Kreisman

NUMBER OF SCHEDULES: 1: BS or MS EE, ChE-Industry Eng.
2: BS or MS EE, Comp Sci-Software Design (3.0 G.P.A. REQUIRED)
LOCATION: 1: Austin, TX
2: Marshalltown, IA
DEC. 88 GRADS
U.S. CITIZENSHIP OR PERMANENT RES. VISA REQUIRED

DEADLINE FOR TURNING IN RESUMES: Wednesday, Sept. 7, 1988
INTERVIEW DATE: Tuesday, Oct. 4, 1988

ARTHUR ANDERSEN & COMPANY
1010 Market Street
St. Louis, MO 63101
attn: Mr. Buzz Patterson

NUMBER OF SCHEDULES: 4
MAJORS: BS or MS in Comp Sci or Engineering majors
POSITION: Staff Consultant
LOCATION: all major cities
DEC. 88, MAY, JULY 89 grads
WILL CONSIDER ALL QUALIFIED APPLICANTS AUTHORIZED TO WORK IN THE U.S. WHO ARE CITIZENS OR WHO MAINTAIN LEGAL IMMIGRANT STATUS.
2.75 G.P.A. AND ABOVE

DEADLINE FOR TURNING IN RESUMES: Thursday, Sept. 8, 1988
INTERVIEW DATE: Wednesday, Oct. 5, 1988

NOTE: ARTHUR ANDERSEN WILL HOLD AN INFORMATION MEETING ON TUESDAY, OCT. 4, ROOM 202A, CENTENNIAL HALL, UCE EAST, 6:00-9:00 P.M.

U.S. FEDERAL AVIATION ADMINISTRATION
601 East 12th Street
Kansas City, MO 64106
attn: Mr. Mark Einheillig

NUMBER OF SCHEDULES: 1
MAJORS: BS or MS in CE, EE (power)
POSITION: Entry level Engineer
LOCATION: assigned to Kansas City; travel within KS, MO, IA, NE
DEC. 88, MAY 89 GRADS
U.S. CITIZENSHIP REQUIRED

DEADLINE FOR TURNING IN RESUMES: Thursday, Sept. 8, 1988
INTERVIEW DATE: Wednesday, Oct. 5, 1988

GENERAL ELECTRIC SPACE SYSTEMS
Federal Electronic Data Systems Div.
P.O. Box 7211
St. Louis, MO 63177-7211
attn: Mr. James F. Grim, Sr.

NUMBER OF SCHEDULES: 1
MAJORS: BS or MS in Comp Sci
POSITION: Computer Programmer/Operator
LOCATION: St. Louis, MO; Washington, D.C.; Valley Forge, PA
recent grads, DEC. 88 grads, MAY, JULY 89 grads
3.0 G.P.A. REQUIRED
MUST BE U.S. CITIZEN

DEADLINE FOR TURNING IN RESUMES: Thursday, Sept. 8, 1988
INTERVIEW DATE: Wednesday, Oct. 5, 1988

MPC PRODUCTS COMPANY
7426 N. Linder Ave.
Skokie, IL 60077
attn: Mr. Paul C. Jensen

NUMBER OF SCHEDULES: 1
MAJORS: BS in ME, EE
POSITION: Design AC & DC motors
LOCATION: Skokie, IL
DEC. 88, MAY 89 grads

DEADLINE FOR TURNING IN RESUMES: Thursday, Sept. 8, 1988
INTERVIEW DATE: Wednesday, Oct. 5, 1988

COLONIAL PIPELINE COMPANY
390 Peachtree Rd NE
Atlanta, GA 30326
attn: Mr. C.W. Crider

NUMBER OF SCHEDULES: 1
MAJORS: BS in ChE, ME
POSITION: Associate Engineer
LOCATION: Atlanta
DEC. 1988 GRADS, MAY 89 GRADS
U.S. CITIZENSHIP REQUIRED

DEADLINE FOR TURNING IN RESUMES: Thursday, Sept. 8, 1988
INTERVIEW DATE: Wednesday, Oct. 5, 1988

PROCTER & GAMBLE COMPANY
2 Procter & Gamble Plaza
Cincinnati, OH 45202-3314
attn: Ms. Janice Battle

NUMBER OF SCHEDULES: 1
MAJORS: BS or MS in ChE, ME, EE
POSITION: Manufacturing Management
LOCATION: Kansas City, MO
U.S. CITIZENSHIP REQUIRED OR MUST COMPLY WITH 1986 IMMIGRATION ACT
DEC. 1988 or MAY 1989 grads

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATE: Thursday, Oct. 6, 1988

DYNATICS
Drawer B
Explorer Drive
Huntsville, AL 35805
attn: Mr. John Morgan

NUMBER OF SCHEDULES: 1
MAJORS: BS in EE, ME, Physics, Aerospace, Math
MS in EE, ME, Physics, Aerospace, Math
POSITION: Entry to mid-level positions involving engineering and analysis of warfare and space systems
LOCATION: Huntsville, AL and Fort Walton Beach, FL

recent grads, DEC. 88, MAY 89 grads
MUST BE U.S. CITIZEN, SECURITY CLEARANCE ELIGIBLE
DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATE: Thursday, Oct. 6, 1988

NATIONAL STEEL
Granite City Steel Div.
20th & State Streets
Granite City, IL 62040
attn: Mr. David Smith

NUMBER OF SCHEDULES: 3
MAJORS: BS or MS in EE, ChE, ME, Eng. Mgt.
POSITION: Management Associate Program (18 mos) then placement
LOCATION: Granite City, IL
recent grads, DEC. 88 grads, MAY 89 grads
U.S. CITIZENSHIP REQUIRED

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATE: Thursday, Oct. 6, 1988

INLAND STEEL COMPANY
3210 Watling Street
East Chicago, IN 46312
attn: Mr. Dewey Conces

NUMBER OF SCHEDULES: 1:EE; 1:ME; 1:Met Eng.
(BS or MS)
POSITION: (Job description not available at this time.)
LOCATION: East Chicago, IN
DEC. 88, MAY 89 grads
U.S. CITIZENSHIP REQUIRED

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATE: Thursday, Oct. 6, 1988

FORD MOTOR COMPANY
P.O. Box 1899
Dearborn, MI 48121-1899
attn: Ms. Fay Emerson

NUMBER OF SCHEDULES: 1 -CLIMATE CONTROL-PROD. ENG. OFFICE)
MAJORS: BS or MS in ME
POSITION: Product Engineering
LOCATION: Dearborn, MI
DEC. 88, MAY 89 GRADS
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATE: Thursday, Oct. 6, 1988

NOTE: PLEASE SPECIFY APPROPRIATE DIVISION OF FORD ON RESUME...YOU MAY SUBMIT RESUME TO BOTH DIVISIONS.

FORD MOTOR COMPANY
P.O. Box 1899
Dearborn, MI 48121-1899
attn: Ms. Fay Emerson

NUMBER OF SCHEDULES: 1 -CAR PRODUCT DEVELOPMENT GROUP
MAJORS: BS/MS in ME, ChE, EE
POSITION: Product Engineering
LOCATION: Dearborn, MI
DEC. 88, MAY 89 GRADS
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATE: Thursday, Oct. 6, 1988

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ALL YOU CAN EAT MENU

SERVED 2 PM TO 9 PM

SEVEN DAYS A WEEK

\$ 3.49

CHOOSE FROM ANY OF THE FOLLOWING

(ONE ENTRE AT A TIME PLEASE)

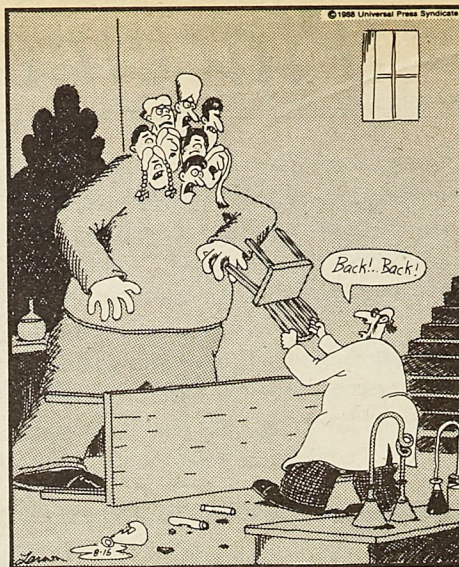
Waffle	1/4 lb. Hamburger
Eggs	1/4 lb. Cheeseburger
Bacon	Bacon 1/4 lb. Cheeseburger
Sausage	Bacon, Lettuce & Tomato
Grits	Bacon & Egg Sandwich
Hashbrowns	Grilled Cheese Sandwich
Egg Sandwich	Sausage & Egg Sandwich
Plain Omelet	Tossed Salad
Cheese Omelet	Vegetable Beef Soup
Scuttlebutt	Chef Salad

No other promotions valid with this menu.

Available only at this location.

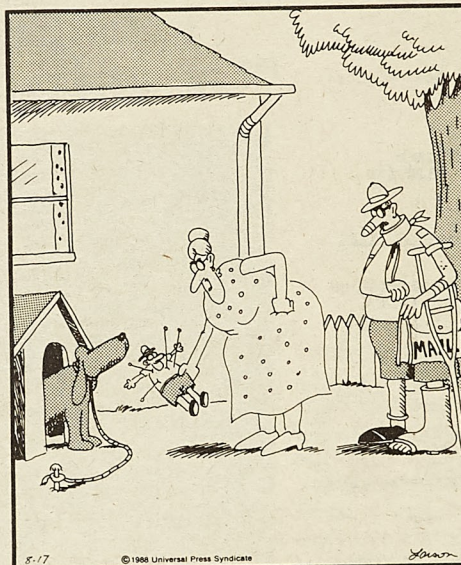
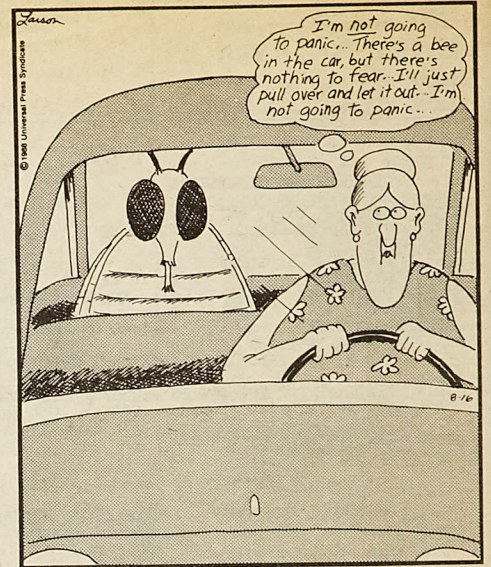
Drinks not included - No substitutions
No carry out orders allowed with this menu.

THE FAR SIDE

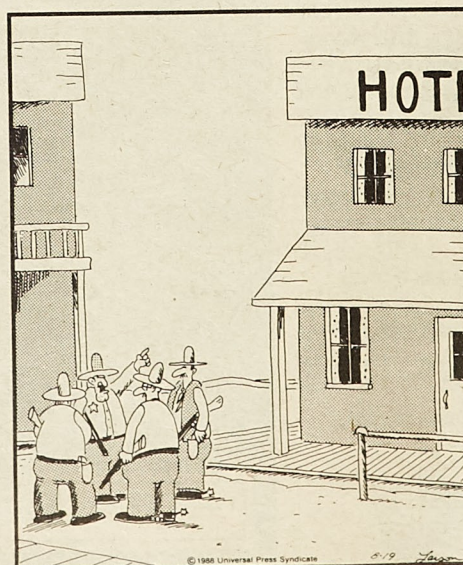
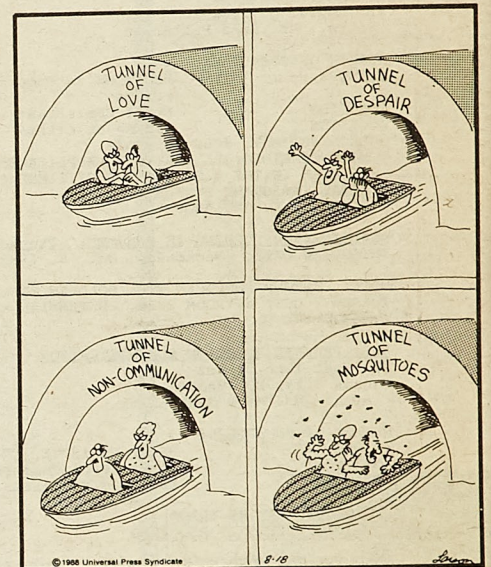


Suddenly, Dr. Morrissey's own creation, a hideous creature 9 feet tall and bearing the heads of the Brady Bunch, turns against him.

By GARY LARSON



"So! Mr. Carlisle was right! ... I put you on a short leash so you can't harass him anymore, and look what you resort to!"



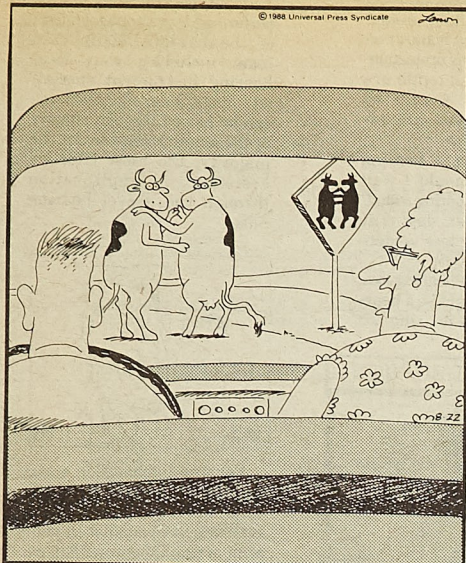
"Roy, you get up on the hotel roof there - and for godsakes, if you are plugged, don't just slump over and die. Put some drama into it and throw yourself screaming from the edge."



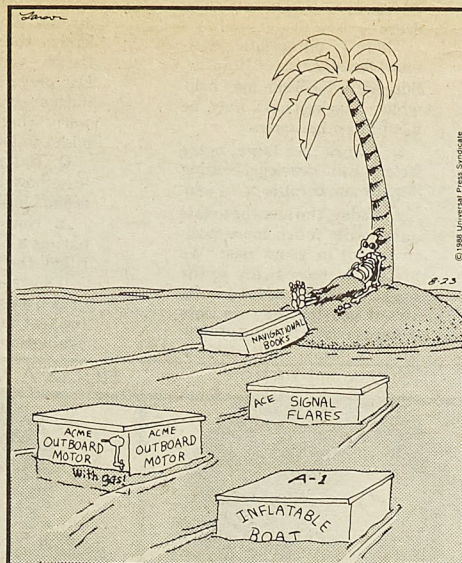
"Yo! Everyone down there! This is the jackal! I'm tired of slinking around in the shadows! ... I'm coming down to the kill! ... Is that gonna be cool with everyone? ... I don't want trouble!"

THE FAR SIDE

By GARY LARSON



"Careful, Lyle! ... There's some cattle dancing!"



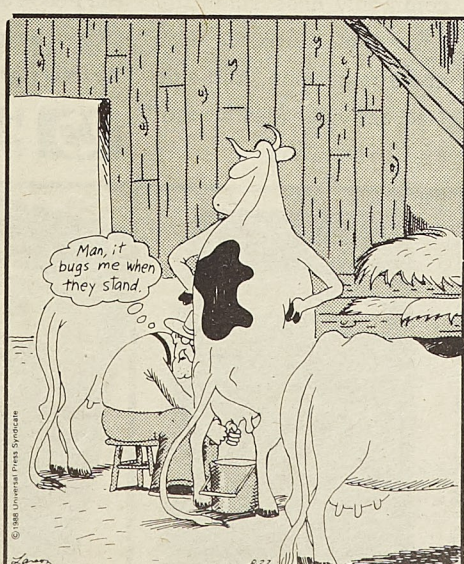
"Oh, great - it's some of your relatives, David. ... You know, it's ironic that even we lice have parasites."



"Wait a minute! ... McCallister, you fool! This isn't what I said to bring!"



"OK, when I say 'draw,' we draw. ... Ready? ... One, two, three - STRAW! ... OK, just checkin' your ears. ... One, two, three - CLAW! ... OK, DRAWbridge! ..."



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BREWSTERS
116 E. 7th St. 341-5782

MON. SPECIALS
LITTLE KINGS DAY
ON TAP ALL DAY

TUE. IMPORT DRAFT NITE
HEINEKEN & MOOSEHEAD

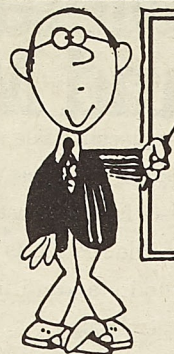
WED. REGRESSIVE PITCHER NITE
ANY DRAFT 7PM TO 1AM

THU. BY THE GLASS/DRAFT
MILLER - LOWENBRAU DK.
LITE & LITTLE KINGS
7pm - 1am

FRI. 1:30pm-5pm SLOPPY JOES .50
GLASS/DRAFT CHEAPER

SAT. DARK ALL DAY

MON. - FRI. NOON to 1:00am
SAT. 2:00pm to 1am



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The following information is provided by the experts at the National Hearing Aid Society, a professional association of thousands of independent hearing instrument specialists.

Q. What causes ringing in the ears?

A. Ringing noises, or head noises, are very common. In fact, nearly 37 million Americans suffer from this discomfort. Most tinnitus is caused from damage to the microscopic nerve endings in the inner ear. Tinnitus, the medical

term for these noises, may only be a temporary condition lasting a few seconds on an irregular basis, or it may be a constant problem. The sound can be a dull roar, a high pitched squeal, or any variation in between. More than 7 million people in this country are afflicted with a tinnitus problem so severe that they cannot lead a normal life.

Exposure to loud noise is probably today's leading cause. However, many other causes exist. They may be as simple as ear wax clogging the ear canal, or as serious as

infection, or a hole in the ear drum.

There is no specific treatment for all cases of tinnitus. Surgery or medicine may help, while hearing aids may be useful in other cases.

Q. I work in a large, noisy factory, will I develop a hearing impairment because of my job?

A. Today, the answer to this question is much more positive than in years past. We are much more aware of the negative effects of loud noise on our hearing than we were in years past. Hearing protection is your best defense

against a noise induced hearing loss. When working around loud machinery—at home or on the job—use hearing protection. Ear plugs and ear muffs are inexpensive and should be worn whenever you are exposed to loud noise.

Q. If I suspect a hearing loss, how long should I wait before I have my hearing tested?

A. Not another day! The earlier a hearing loss is identified, the better.

If you suspect a hearing loss, your first step could be a hearing test and/or a hearing aid evaluation test.

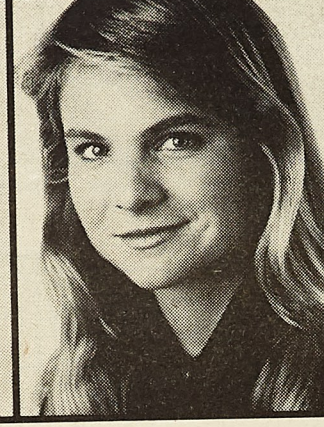
CARLOS SOSA



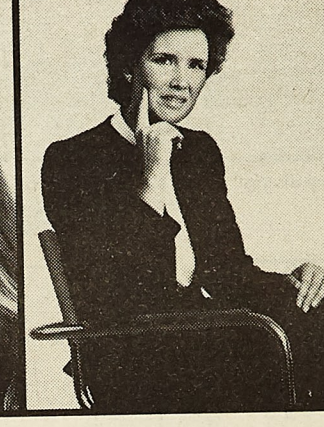
GRANT JONES



SUSAN KRUSE



HOLLY A. VAN DEURSEN



MIT, Structural Engineering.

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matrix math and graphics capabilities. And HP Solve lets him

solve custom formulas without programming. With more than

1500 functions, 32K RAM and both RPN and algebraic entry,

the HP-28S is the ultimate scientific calculator.

University of Virginia, Finance.

Studies fluctuating stock and money market trends. Assisted head trader in Yen at Chicago Mercantile Exchange. The HP-12C with RPN lets him analyze prices,

UC Santa Cruz, Marine Biology.

Studies behavior of blue whales and effect of environment on distribution of marine mammals. The new, easy to use HP-22S has a built-in equation library with solver,

University of Michigan, MBA candidate.

Assisted on pricing projects for GM. The HP-17B offers easy algebraic entry. Plus time value of money, cash flows and linear regression to analyze budgets and forecasts. HP Solve lets her enter her own formulas and solve for any

variable.

Hewlett-Packard's calculators are built for your success. Look for them at your campus bookstore. Or call 1-800-752-0900, Ext. 658E, for your nearest dealer.

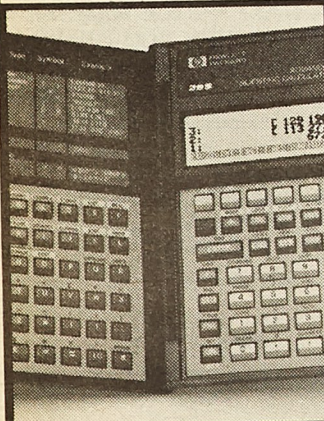
We never stop asking "What if..."

hp HEWLETT PACKARD

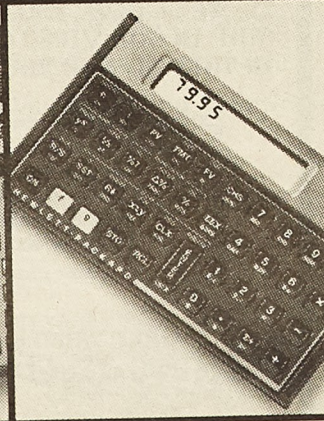
New Achievers in Heavy Metal, Swing, Blues and Motown.

ratios, net present value and internal rate of return. He can even create his own custom programs. The HP-12C is the established standard in financial calculators.

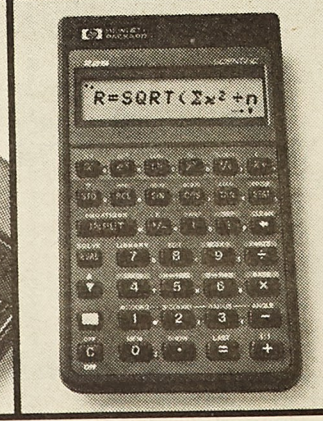
giving her access to the most commonly used scientific equations. Statistics with linear regression. And algebraic entry. The ideal student science calculator.



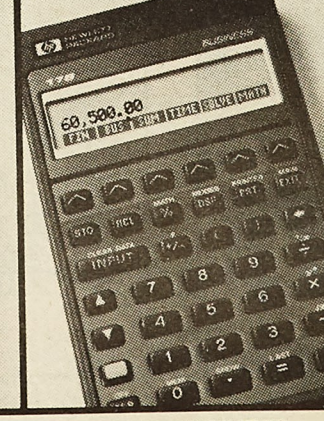
HP-28S SCIENTIFIC CALCULATOR



HP-12C FINANCIAL CALCULATOR



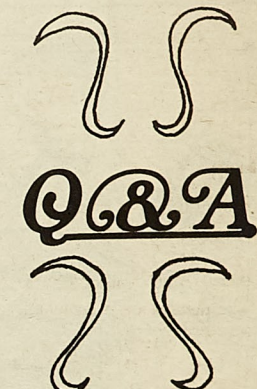
HP-22S SCIENTIFIC CALCULATOR



HP-17B BUSINESS CALCULATOR



For free information about hearing loss and hearing aids, or to find a qualified hearing instrument specialist in your area write: Consumer Kit, c/o NHAS, 20361 Middlebelt, Livonia, MI 48152. Or call toll-free 1-800-521-5247, ask for Ext. 22 (weekdays 9 a.m. to 5 p.m. E.S.T.).



Q: I know that waxing my car with a highly abrasive wax can be very damaging. How can I tell if my wax contains abrasives?

A: Apply some wax with a clean white cloth to any painted surface—not necessarily car paint. Rub hard in one area for 30 seconds. Now look at the cloth. If you see any paint, the wax contains abrasives. Keep in mind that, for protection, many newer model cars have a final, clear coat over the color. Abrasive wax will also take this clear paint off but it won't show up on the cloth.



Since most car waxes contain high concentrations of abrasives, you'll have to look carefully for a pure wax product. The best use rare Carnauba wax, imported from Brazil, as the main ingredient. One of the few products made of Carnauba is Malm's Wax. It reportedly has no abrasives, cleaners, polishes or anything that can scratch paint. To order a bottle, send \$19.95 plus \$2.50 for shipping to: Malm Chem Corp., 300 BX, NA038, Pound Ridge, NY 10576.

placement

from page 9

ALCOA
P.O. Box 3567
Davenport, IA 52808
attn: Ms. Judy Shook

NUMBER OF SCHEDULES: 1
MAJORS: BS or MS in Metallurgical Eng.
POSITION: Metallurgical Engineering
LOCATION: Nationwide
DEC. 88 grads
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED
STUDENTS SHOULD BRING COPY OF TRANSCRIPT TO INTERVIEW.

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATE: Thursday, Oct. 6, 1988

ARKANSAS POWER & LIGHT
P.O. Box 551
Little Rock, AR 72203
attn: Mr. Clifford Allen

NUMBER OF SCHEDULES: 1
MAJORS: BS or above in EE, ME, NE
POSITION: Engineering support at General Office
LOCATION: DEC. 88 grads
2.5 MIN. G.P.A. REQUIRED
U.S. CITIZENSHIP REQUIRED

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATE: Thursday, Oct. 6, 1988

KOCH INDUSTRIES, INC. R&D CENTER
P.O. Box 8127
Wichita, KS 67208
attn: Mr. Paul Ladnier

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS or PhD and "Post Docs" in
POSITION: Chemical Engineering
LOCATION: Research Engineers
Wichita, KS
DEC. 88, MAY 1989 grads
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED
2.8 G.P.A. REQUIRED

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATE: Thursday, Oct. 6, 1988

ETHYL CORPORATION
451 Florida Blvd.
Baton Rouge, LA 70801
attn: Mr. Gary Hinz

NUMBER OF SCHEDULES: 1: Oct. 6, 7, 1988
MAJORS: BS/MS in ME, EE, CE
POSITION(S): Project, Mechanical Design, Instru-
ment Design, Electrical Design &
Civil Design Engineering
LOCATION: Baton Rouge, LA
DEC. 88 or MAY 89 GRADS
3.0 G.P.A. REQUIRED
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATES: Thursday, Oct. 6, Friday, Oct. 7, 1988

SQUARE D COMPANY
4800 Paris Road
Columbia, MO 65201
attn: Mr. Tony Smits

NUMBER OF SCHEDULES: 1
MAJORS: BS in EE, ME
POSITION: Design Engineer
LOCATION: Columbia, MO
DEC. 1988, MAY 89 grads
3.0 G.P.A. REQUIRED
U.S. CITIZENSHIP REQUIRED

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATE: Friday, Oct. 7, 1988

OSCAR MAYER
P.O. Box 7188
Madison, WI 53707
attn: Mr. Kwame Salter

NUMBER OF SCHEDULES: 1-ME; 1-EE
POSITION: Engineering Management Development
Program
LOCATION: Madison, WI (6 mos)
DEC. 88 grads
2.75 G.P.A. REQUIRED
U.S. CITIZENSHIP OR PERMANENT RES. VISA REQUIRED; MUST
APPLY TO IMMIGRATION REFORM & CONTROL ACT OF 1986.

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATE: Friday, Oct. 7, 1988

PETERBILT MOTORS
38801 Cherry St.
Newark, CA 94560
attn: Ms. Jenny Hall

NUMBER OF SCHEDULES: 2
MAJORS: BS in ME
POSITION: Design Engineer (components for
custom heavy duty trucks)
LOCATION: Newark, CA
DEC. 88 grads
U.S. CITIZENSHIP OR PERMANENT RES. VISA REQUIRED
3.0 G.P.A. REQUIRED

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATE: Friday, Oct. 7, 1988

U.S. GYPSUM
1115 Armour Road
North Kansas City, MO 64116
attn: Mr. Mike Pisanko

NUMBER OF SCHEDULES: 2
MAJORS: BS or MS in ChE, ME
POSITION: Production Engineer
LOCATION: Company-wide
DEC. 88 or MAY 89 grads
U.S. CITIZENSHIP REQUIRED

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATE: Friday, Oct. 7, 1988

LEVER BROTHERS COMPANY
1400 North Pennsylvania
St. Louis, MO 63133
attn: Mr. Bob Wentzel

NUMBER OF SCHEDULES: 2
MAJORS: BS in ChE, ME, Eng. Mgt.
POSITION: Supervisor
LOCATION: St. Louis
DEC. 88 grads
U.S. CITIZENSHIP REQUIRED

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATE: Friday, Oct. 7, 1988

NOTE: LEVER BROTHERS WILL HOLD AN INFORMATION MEETING ON
THURSDAY, OCT. 6, in UCE, MARAMEC ROOM 211, FROM 6:00-8:00
P.M.

BASF COMPANY
Chemicals Division
100 Cherry Hill Road
Parsippany, NJ 07054
attn: Mr. Jim Fletcher

NUMBER OF SCHEDULES: 1
MAJORS: BS in ChE
POSITION: Technical Personal Development Program-
training assignments every 6 months
in Process Engineering, Manufacturing,
and Research & Development related to
business
LOCATION: Parsippany, NJ
DEC. 88, MAY 89 grads
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATE: Friday, Oct. 7, 1988

HONEYWELL DEFENSE & AVIONICS SYSTEMS DIV.
9201 San Mateo Blvd., N.E.
Albuquerque, NM 87113
attn: Ms. Theresa Volkmer

NUMBER OF SCHEDULES: 2
MAJORS: BS or MS EE, Comp Sci
POSITION: Design, Development, Prod. Systems
Software & Prod. Systems Hardware
Albuquerque, NM
LOCATION: DEC. 88, MAY 89 GRADS
3.0 G.P.A.
U.S. CITIZENSHIP REQUIRED

DEADLINE FOR TURNING IN RESUMES: Friday, Sept. 9, 11:30 a.m.
INTERVIEW DATE: Friday, Oct. 7, 1988

NOTE: HONEYWELL WILL HOLD AN INFORMATION MEETING ON
THURSDAY, OCT. 6, 1988, FROM 7-10:00 P.M., 213 MISSOURI ROOM,
(UNIVERSITY CENTER EAST).

NOTE: AMOCO PRODUCTION will hold an information meeting on
the following two nights: Oct. 9, 10, 1988, in Centennial
Hall West, from 6:00-8:00 p.m. ALL STUDENTS WHO ARE
INTERESTED IN INTERVIEWING WITH AMOCO PRODUCTION SHOULD
ATTEND.

FRITO LAY
P.O. Box 660634
Dallas, TX 65266
attn: Mr. Laura Akins

NUMBER OF SCHEDULES: 2
MAJORS: BS in ChE, EE, ME
POSITION: Assoc. Manufacturing Engineer
LOCATION: Nationwide
DEC. 88 grads
WILL HIRE ONLY U.S. CITIZENS AND LAWFULLY AUTHORIZED
ALIEN WORKERS.
SIGNUP DATE: Tuesday, Sept. 20, 1988
INTERVIEW DATE: Tuesday, Oct. 4, 1988

STUDENTS MUST BRING COPY OF THEIR TRANSCRIPT TO INTERVIEW.

CONSOLIDATION COAL COMPANY
Consol Plaza
Pittsburgh, PA 15241
attn: Mr. Ivan Rahn

NUMBER OF SCHEDULES: 1
MAJORS: Mining Engineering
POSITION: Production Management
LOCATION: Central and Eastern U.S.
DEC. 88, MAY, JULY 89 grads
2.0 G.P.A. REQUIRED
U.S. CITIZENSHIP REQUIRED
SIGNUP DATE: Tuesday, Sept. 20, 1988
INTERVIEW DATE: Tuesday, Oct. 4, 1988

see placement, page 15

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placement

from page 13

AT&T
777 N. Blue Parkway
Lee's Summit, MO 64063
attn: Ms. Diana Engeman

NUMBER OF SCHEDULES: 5
MAJORS: BS or MS in EE, ME, Comp Sci
POSITION: Entry level positions in R&D, Mfg. & Product Planning
LOCATION: Nationwide - AT&T Communication, AT&T Bell Laboratories, AT&T Microelectronics, AT&T Network Systems, AT&T Technology Systems, Sandia National Labs
U.S. CITIZENSHIP OR GREEN CARD REQUIRED
3.0 G.P.A. REQUIRED

DEADLINE FOR TURNING IN RESUMES: Tuesday, Sept. 6, 1988
INTERVIEW DATES: Monday, Oct. 3, 1988
(Call backs, Tuesday, Oct. 4, 1988)

VISTA CHEMICAL COMPANY
P.O. Box 19029
Houston, TX 77224
attn: Mr. David Bartlett, Coordinator of Recruiting

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS or PhD in Chemistry or ChE
POSITION: Research & Development
LOCATION: New laboratory under construction in Austin, TX
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED
DEC. 88, MAY, JULY 89 GRADS

DEADLINE FOR TURNING IN RESUMES: Tuesday, Sept. 6, 1988
INTERVIEW DATE: Monday, Oct. 3, 1988

VISTA CHEMICAL COMPANY (PROCESS ENGINEERING DEPT.)
P.O. Box 19029
Houston, TX 77224
attn: Ms. Maureen Bittick

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS in Chem Eng.
POSITION: Design & Trouble Shooting for 9 plants located across the U.S., prepare economics and evaluate investment opportunities.
LOCATION: Houston, TX
DEC. 88, MAY, JULY 89 GRADS
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED
DEADLINE FOR TURNING IN RESUMES: Tuesday, Sept. 6, 1988
INTERVIEW DATE: Monday, Oct. 3, 1988

NOTE INFORMATION MEETING FOR VISTA CHEMICAL CO. - Meeting will be held for students on Process Eng. Schedule - Tuesday September 20, 1988, Univ. Center East, Room 211 Meramec, UCE, 7:00-9:00 P.M.

LACLEDE STEEL COMPANY
P.O. Box 2576
Alton, IL 62002
attn: Ms. Cathy Hunt

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS in Metallurgical Eng.
POSITION: Metallurgical Engineer
LOCATION: Alton, IL
DEC. 88 GRADS

DEADLINE FOR TURNING IN RESUMES: Tuesday, Sept. 6, 1988
INTERVIEW DATE: Monday, Oct. 3, 1988

VARCO PRUDEN
P.O. Box 369
St. Joseph, MO 64504
attn: Mr. Michael W. Calvert

NUMBER OF SCHEDULES: 1 (Information is not available at this time..will post when available.)

DEADLINE FOR TURNING IN RESUMES: Tuesday, Sept. 6, 1988
INTERVIEW DATE: Oct. 3, 1988

R.W. MURRAY COMPANY
1001 Craig Road
St. Louis, MO 63146
attn: Mr. Gary Frossard
NUMBER OF SCHEDULES: 2
MAJORS: BS in CE
POSITION: Project Eng., Project Manager
LOCATION: St. Louis, Washington, D.C., Boston, Tampa, KC
U.S. CITIZENSHIP REQUIRED
DEC. 88 GRADS

DEADLINE FOR TURNING IN RESUMES: Tuesday, Sept. 6, 1988
INTERVIEW DATE: Monday, Oct. 3, 1988

UNION PACIFIC RAILROAD
1416 Dodge Street
Omaha, NE 68179
attn: Mr. Roger Dillon

NUMBER OF SCHEDULES: 1
MAJORS: BS in Computer Science
POSITION: Programmer
LOCATION: Omaha
DEC. 88, MAY 89 GRADS
3.0 G.P.A. REQUIRED
U.S. CITIZENSHIP REQUIRED

DEADLINE FOR TURNING IN RESUMES: Wednesday, Sept. 7, 1988
INTERVIEW DATE: Tuesday, Oct. 4, 1988

NOTE: AN INFORMATION MEETING WILL BE HELD MONDAY, OCT. 3, 1988, UNIVERSITY CENTER EAST, 202 CENTENNIAL HALL, 6:30-8:30 P.M. FOR ALL STUDENTS INTERVIEWING WITH UNION PACIFIC.

WILLIAMS NATURAL GAS COMPANY
P.O. Box 3288
Tulsa, OK 74101
attn: Ms. Reatha Oliver, Human Resources Representative

NUMBER OF SCHEDULES: 1 (INTERVIEWS WILL BE 1 HOUR)
MAJORS: BS in ME, CE
POSITION: Engineer I
LOCATION: Tulsa, OK
DEC. 88 grads
2.0 G.P.A. REQUIRED
U.S. CITIZENSHIP REQUIRED

DEADLINE FOR TURNING IN RESUMES: Wednesday, Sept. 7, 1988
INTERVIEW DATE: Tuesday, Oct. 4, 1988

PEPSI COLA BOTTLING COMPANY
647 Tower Grove
St. Louis, MO 63110
attn: Ms. Krueger

NUMBER OF SCHEDULES: 1
MAJORS: BS any Engineering
POSITION: Manufacturing Trainees-Management
LOCATION: where needed - willingness to relocate
U.S. CITIZENSHIP REQUIRED

DEADLINE FOR TURNING IN RESUMES: Tuesday, Sept. 6, 1988
INTERVIEW DATE: Monday, Oct. 3, 1988

AMSTED
44th Floor, Blvd. Towers South
205 N. Michigan
Chicago, IL 60601
attn: Ms. Lisa Skiba

NUMBER OF SCHEDULES: 1
MAJORS: BS in ME, Met Eng.
POSITION: Prod. Engineer - Research
LOCATION: Midwest, East
DEC. 1988 grads

DEADLINE FOR TURNING IN RESUMES: Tuesday, Sept. 6, 1988
INTERVIEW DATE: Monday, Oct. 3, 1988

INTERNATIONAL PAPER
P.O. Box 7069
Pine Bluff, AR 71611
attn: Ms. Edna Maclin

NUMBER OF SCHEDULES: 3
MAJORS: BS or MS in ChE, EE, ME
POSITION: Entry level position in Process Eng., Design Engineering & Process Control
LOCATION: South, Midwest & Northeast
DEC. 88, MAY 89 GRADS
MUST BE U.S. CITIZEN & HAVE 3.0 G.P.A.

DEADLINE FOR TURNING IN RESUMES: Wednesday, Sept. 7, 1988
INTERVIEW DATE: Tuesday, Oct. 4, 1988

UNION ELECTRIC COMPANY
P.O. Box 149
St. Louis, MO 63166
attn: Mr. R.L. Moeller

NUMBER OF SCHEDULES: 2
MAJORS: BS or MS in EE, ME
POSITION: Entry level Engineer in power plant or Corporate Headquarters
LOCATION: St. Louis or Fulton, or surrounding areas
DEC. 1988 grads only
U.S. CITIZENSHIP OR PERMANENT RESIDENT VISA REQUIRED

DEADLINE FOR TURNING IN RESUMES: Wednesday, Sept. 7, 1988
INTERVIEW DATE: Tuesday, Oct. 4, 1988

ALLIED SIGNAL CORPORATION
P.O. Box 419159
Kansas City, MO 64141-6159
attn: Ms. Darlene Adkinson

NUMBER OF SCHEDULES: 1: Oct. 4; 1/2: Oct. 5
MAJORS: BS/MS EE, ME, Met E
POSITION: Engineering
LOCATION: Kansas City, MO
DEC. 88 grads
2.5 G.P.A. REQUIRED
U.S. CITIZENS ONLY

DEADLINE FOR TURNING IN RESUMES: Wednesday, Sept. 7, 1988
INTERVIEW DATES: Tuesday, Oct. 4, Wednesday, Oct. 5, 1988

MINNESOTA MINING & MFG. CO. (3M)
3m Center, Bldg. 224
Staffing Department
St. Paul, MN 55144
attn: Ms. Barbara Kronholm

NUMBER OF SCHEDULES: 1: Oct. 4, 5, 1988
MAJORS: BS in ChE, EE, ME
POSITION: R&D; Proc. Engr.; Mfg.; Project Engineering; Design
LOCATION: St. Paul, MN; Austin, TX; and mfg.
DEC. 1988, MAY, JULY 1989 GRADS
3.0 G.P.A. REQUIRED
WILL INTERVIEW U.S. CITIZENS OR OTHERS WHO ARE AUTHORIZED TO WORK IN THE U.S. INDEFINITELY.

DEADLINE FOR TURNING IN RESUMES: Wednesday, Sept. 7, 1988
INTERVIEW DATES: Tuesday, Oct. 4; Wednesday, Oct. 5, 1988

see placement, page 16

Co-op Employment

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CO-OP EMPLOYMENT

Sign-up location: 101 Buehler Bldg., Co-op Office
9th & Rolla Sts.

Sign-up hours: 7:45 am - 11:30 am
1:00 pm - 4:00 pm

Interview date: Monday, Sept. 19, 1988

CENTRAL INTELLIGENCE AGENCY
Washington, DC

Interviewing: Math., Ch.E., C.E., C.Sc., E.E.,
M.E., Physics

Requirements: 3.0 GPA or above, American Citizen-
ship required - Academic level of applicants: 20+
number of credit hours completed at the end of the
present semester toward B.S. degree.

Start work: Spring 89 or Summer 89

Sign-up date: Tuesday, Sept. 6, 1988

Number of schedules: as many as necessary

Interview date: Tues. & Wed., Sept. 20, 21, 1988

MONSANTO COMPANY
St. Louis, Missouri

Interviewing: C.Sc., E.E., would prefer the
schedule to be 75% C.Sc., 25% E.E.

Requirements: 3.0 GPA or above, American Citizen-
ship or permanent resident, sophomores or above,
1 hour interviews

Sign-up date: Tuesday, Sept. 6, 1988

Start work: Spring, 1989

2 schedules - 28 interview times

Monsanto will have an Orientation on
Mon., Sept. 19, 1988 in the Missouri Room
University Center-East beginning at 3:00 pm.
All students interviewing with Monsanto must
attend the orientation and take the Monsanto
application with you.

Interview date: Tues., Sept. 20, 1988

GENERAL ELECTRIC COMPANY
Springfield, Missouri

Interviewing: E.E.

Requirements: 3.5 GPA or above, Academic Level of
applicants: at least 59 hours completed at the end of
the present semester toward B.S. degree.
American Citizenship not required, but must be fluent
in English

Start work: Spring, 1989

Sign-up date: Wed., Sept. 7, 1988

Number of schedules: one schedule - 10 interview
times

Interview date: Thurs., Sept. 29, 1988

UNION ELECTRIC COMPANY
St. Louis, Missouri

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

Requirements: 2.5 GPA or above, Junior level,
Completing 5-6 semesters.
American Citizenship or permanent visa

Sign-up date: Wed., Sept. 14, 1988

2 schedules - 24 interview times

Interview date: Wed., Sept. 21, 1988

DORRIS COMPANY
St. Louis, Missouri

Interviewing: M.E.

Requirements: 2.8 GPA or above, Academic level of
applicants: must have completed at least 45 hours
at the end of the present semester toward B.S. degree

Start work: Spring, 1989

Sign-up date: Thurs., Sept. 8, 1988

Number of schedules: one schedule - 11 interview
times.

Interview date: Wed., Sept. 21, 1988

LEONARD'S METAL INC.
St. Charles, Missouri

Interviewing: M.E.

Requirements: American Citizenship not required

Start work: Spring, 1989

Sign-up date: Thurs., Sept. 8, 1988

Number of schedules: 1 schedule - 11 interview
times.

Interview date: Monday, Sept. 26, 1988

BROWN SHOE COMPANY
St. Louis, Missouri (various work locations)

Interviewing: M.E., Eng.Mgmt.

Requirements: 2.25 GPA or above, American Citizen-
ship required. Academic Level of applicants:
at least 18-20 number of credit hours completed
at the end of the present semester toward B.S.
degree.

Sign-up date: Monday, Sept. 12, 1988

One schedule - 12 interview times

Interview date: Tues., Sept. 27, 1988

JOHNSON CONTROLS
St. Louis, Missouri

Interviewing: E.E., M.E.

Requirements: 3.0 GPA or above, American Citizen-
ship required, Academic Level of Applicants: at least
30-75 number of credit hours completed at the end
of the present semester toward B.S. degree.

Start Work: Spring, 1989

Sign-up date: Tuesday, Sept. 13, 1988

One schedule - 12 interview times

Interview date: Wed., Sept. 28, 1988

GEN CORP AUTOMOTIVE (formerly Diversitech General)
Batesville, Arkansas

Interviewing: M.E.

Requirements: 2.5 GPA or above, American Citizenship
required, Academic level of applicants: must be
completing at least 4 semesters of B.S. degree.

Start work: Spring, 1989

Sign-up date: Wed., Sept. 14, 1988

Number of schedules: 2 schedules - 14 interview
times. 1 hour interviews

Interview date: Thurs., Sept. 29, 1988

ALCOLAC, INC.
Sedalia, Missouri

Interviewing: Ch.E.

Requirements: 3.0 GPA or above, American Citizen-
ship required

Start work: Spring, 1989

Sign-up date: Thurs., Sept. 15, 1988

One schedule - 11 interview times

Interview date: Thurs., Sept. 29, 1988

PUBLIC SERVICE OF INDIANA
Plainfield, Indiana

Interviewing: E.E., M.E.

Requirements: 2.8 GPA or above, American Citizen-
ship preferred. Academic level of applicants:
sophomores number of credit hours completed at the
end of the present semester toward B.S. Degree.

Sign-up date: Thurs., Sept. 15, 1988

Number of schedules: 1 schedule - 11 interview times.
Pick up Public Service application on the day of sign-
ups.

October list will be available on Friday, Sept. 16.

Students must have Co-op registration forms on file
at the Co-op Office before you can sign-up to inter-
view.

HUSSMANN CORPORATION
1299 St. Charles Rock Road
Bridgeton, MO 63044
attn: Mr. R.E. Moretti

NUMBER OF SCHEDULES: 1
MAJORS: BS ME
POSITION: Design Engineer-Sales Engineer
LOCATION: St. Louis, MO
DEC. 88 grads
2.7 G.P.A.
U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED

SIGNUP DATE: Friday, Sept. 23, 1988
INTERVIEW DATE: Friday, Oct. 7, 1988

U.S. DEPT. DEFENSE-NAVY
Naval Recruiting District
405 South Tucker
St. Louis, MO 63102
attn: Lt. Kent Custer

NUMBER OF SCHEDULES: 2
MAJORS: Engineering and hard sciences
POSITION: Navy Nuclear Propulsion Super-
visors, Managers, Instructors,
R&D
LOCATION: various Atlantic and Pacific
coast cities
JUNIORS, SENIORS AND GRADS
3.0 G.P.A. REQUIRED
U.S. CITIZENSHIP REQUIRED

SIGNUP DATE: Thursday, Sept. 22, 1988
INTERVIEW DATE: Thursday, Oct. 6, 1988

placement

from page 16

IBM WILL HOLD AN INFORMAL INFORMATION AND SIGNUP DAY ON THURSDAY, OCTOBER 20, 1988 IN THE CENTENNIAL HALL, UNIVERSITY CENTER-EAST. HOURS WILL BE FROM 12:00 NOON - 5:00 PM. (STOP BY ANYTIME) STUDENTS INTERESTED IN CO-OPING WITH THE IBM CORPORATION ARE INVITED. ACTUAL INTERVIEW DATE WILL BE ON FRIDAY, OCT. 21, 1988.

DISCIPLINES: CO-OP OPPORTUNITIES INCLUDE BUT ARE NOT LIMITED TO SOFTWARE DEVELOPMENT, TECHNICAL MARKETING AND ENGINEERING.

POSITION(S) & LOCATIONS: REPRESENTATIVES FROM VARIOUS U.S. LOCATIONS WILL CONDUCT AN INFORMAL INFORMATION SESSION ON OCT. 20. STUDENTS INTERESTED IN INTERVIEWING WITH IBM SHOULD ATTEND. DETAILED INFORMATION WILL BE PROVIDED AT A LATER DATE.

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

YOU MUST SUBMIT (4) COPIES OF YOUR CO-OP RESUME FORM TO IBM ON THE INFORMAL INFORMATION AND SIGNUP DAY, OCTOBER 20.

Note: IBM will consider U.S. Citizens, Permanent Residents or "Intending Citizens" as defined by the 1986 Immigration Reform and Control Act.

SIGN-UP FOR SUNRISE SYSTEMS. CO-OP INTERVIEWS

TURN IN RESUMES: Monday, September 19, 1988

WHERE: Co-op Office, 101 Buehler Bldg.

TIMES: 7:45 am - 11:30 am - 1:00 pm - 4:00 pm

INTERVIEWING: C.Sc., E.E., Eng.Mgmt., M.E.(industrial automation)

REQUIREMENTS: 3.2 GPA or above, American Citizenship required Must have 50 credit hours completed at the end of the present semester toward bs degree Starting work date: Jan. 1989.

THE ACTUAL INTERVIEW DATE WILL BE THURSDAY, OCTOBER 6, 1988.

Sunrise Systems, Kansas City, Missouri has requested that we furnish them with resumes for pre-screening. We will accept as many Co-op resumes as we can collect. Just drop off a copy of your Co-op resume on the above sign-up date. After pre-screening, Sunrise Systems will send the Co-op Office a list of those students they are interested in interviewing. The list should be available at the Co-op Office on Friday, September 30. Check with the Co-op Office no later than Sept. 30.

HUGHES AIRCRAFT COMPANY

Corporate College Relations, Bldg. C1/C128
P.O. Box 45066
Los Angeles, CA 90045-0066
attn: Mr. John C. Wilhite

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS EE, AE, ME, Comp Sci, Physics and Computer Engineering
POSITION: Member of Tech. Staff with the Space and Communications Group
LOCATION: El Segundo, CA
(PLEASE SPECIFY LOCATION ON RESUME)
U.S. CITIZENSHIP REQUIRED BECAUSE GOVERNMENT CONTRACTS WARRANT SECURITY CLEARANCES.

DEC. 88 or MAY 89 grads

DEADLINE FOR TURNING IN RESUMES: Tuesday, Sept. 6, 1988
INTERVIEW DATE: MONDAY, OCT. 3, 1988

HUGHES AIRCRAFT COMPANY

Corporate College Relations, Bldg. C1/C128
P.O. Box 45066
Los Angeles, CA 90045-0066
attn: John C. Wilhite

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS/PhD EE, Comp Sci., Physics, Math
POSITION: Member of the Technical Staff of the Denver Division of Hughes
LOCATION: Denver, CO
(PLEASE SPECIFY LOCATION ON RESUME)

U.S. CITIZENSHIP REQUIRED BECAUSE GOVERNMENT CONTRACTS WARRANT SECURITY CLEARANCE
DEC. 88, MAY 89 grads

DEADLINE FOR TURNING IN RESUMES: Tuesday, Sept. 6, 1988
INTERVIEW DATE: Monday, Oct. 3, 1988

SIGN-UP FOR CATERPILLAR TRACTOR COMPANY CO-OP INTERVIEWS

TURN IN RESUMES: Thursday, September 15, 1988

WHERE: Co-op Office, 101 Buehler Bldg.

TIMES: 7:45 am - 11:30 am - 1:00 pm - 4:00 pm

INTERVIEWING: Cer.E., Ch.E., E.E., Eng.Mgmt., M.E., Met.E., Engr.Mech.

REQUIREMENTS: 2.8 GPA or above, American Citizenship required or Permanent Resident Visa

THE ACTUAL INTERVIEW DATE WILL BE Tuesday, Oct. 4 and Wed., Oct. 5, 1988. 1 hour interviews.

Caterpillar Inc., Peoria, Illinois has requested that we furnish them with resumes for pre-screening. We will accept as many CO-OP resumes as we can collect. Just drop off a copy of your CO-OP resume on the above sign-up date. After pre-screening, Caterpillar will correspond with you indicating if they are interested in interviewing you.

Caterpillar will have an orientation on Monday, Oct. 3 in the University Center West - Ozark Room from 7:30 pm - 9:30 pm. All students that are selected to interview with Caterpillar must attend.

SIGN-UP FOR MCDONNELL DOUGLAS CORP. CO-OP INTERVIEWS

TURN IN RESUMES: Friday, September 16, 1988

WHERE: Co-op Office, 101 Buehler Bldg.

TIMES: 7:45 am - 11:30 am - 1:00 pm - 4:00 pm

INTERVIEWING: A.E., C.Sc., E.E., M.E., Eng.Mgmt., Ch.E.,

REQUIREMENTS: 3.0 GPA or above, American Citizenship required, 30 credit hours completed at the end of the present semester toward bs degree.

THE ACTUAL INTERVIEW DATE WILL BE WEDNESDAY, OCTOBER 12, 1988

McDonnell Douglas, St. Louis, Missouri has requested that we furnish them with resumes for pre-screening. We will accept as many CO-OP resumes as we can collect. Just drop off a copy of your CO-OP resume on the above sign-up date. After pre-screening, McDonnell will send the Co-op Office a list of those students they are interested in interviewing. The list should be posted in the UMR Co-op Office by Thursday, October 5th. Check with the Co-op Office no later than Oct. 5.

SIGNUPS AND RESUME PRESCREENING

LOCATED: Ground level (G-5), Buehler Building
(use door on Southeast corner by Center Bank Drive-up)

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

PRESCREENED INTERVIEWS

OKLAHOMA DEPARTMENT OF TRANSPORTATION

200 East 21st Street
Oklahoma City, OK 73105
attn: Mr. Earl Putnam

NUMBER OF SCHEDULES: 1
MAJORS: BS & MS Civil Engineering
POSITION: Engineer-in-Training
LOCATION: statewide Oklahoma
WILL HIRE ONLY INDIVIDUALS PRESENTLY AUTHORIZED TO WORK IN THE U.S. ON A FULL TIME BASIS.

DEC. 88 grads

DEADLINE FOR TURNING IN RESUME: Tuesday, Sept. 6, 1988
INTERVIEW DATE: Monday, Oct. 3, 1988

PLEASE NOTE: 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 approximately two weeks before the interview date with a four day deadline for signing.

RESUMES MAY BE TURNED IN PRIOR TO THE DEADLINE!





BACK!

MY SINCERE APOLOGIES TO MICHELANGELO

M Alkin

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7 DAYS A WEEK
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details make the
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across from TJ Hall 341-3800

Listen To Mother —Eat Breakfast

Mother's loving advice about taking care of yourself may not always be backed by scientific evidence, but often her words of wisdom do the trick for whatever ails you. Take breakfast, for example. In the winter, mother said to eat a good hot breakfast to keep warm. Scientific fact? Maybe not, but it does make sense: if you go to all the trouble of bundling up the outside of your body with layers of clothing, wouldn't it help to warm your inside with a nice hot meal?



If this isn't enough to convince you to stop for a hot morning meal, hear this. You can have fluffy scrambled eggs, home-fried potatoes and bacon, pancakes and blueberries in sauce, or even cinnamon swirl French toast with sausages when you keep Great Starts™ Breakfasts from Swanson in the freezer. And if you prefer a hearty breakfast sandwich, Great Starts gives you five varieties to choose from without driving to a fast food restaurant. Both the breakfast entrees and sandwiches are available in convenient microwaveable packaging so you can sit down to a hot, satisfying breakfast in less time than it takes to warm up a car on a frigid morning.

This winter give yourself a great start each day by warming up from the inside out with Great Starts Breakfasts from Swanson.



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