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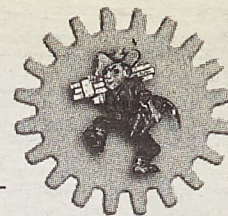
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The Missouri Miner

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



May 5, 1999

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Missouri Governor Mel Carnahan to give keynote address at 1999 commencement ceremony

by Jonathan Erdman
Managing Editor

The Governor of Missouri, Mel Carnahan, will give the commencement address at the University of Missouri-Rolla's commencement ceremony on May 15.

Carnahan is the 51st governor of the State of Missouri. He was re-elected to his second term as governor in November of 1996.

Carnahan served as a municipal judge in Rolla at age 26. Two years later he served in the Missouri's House of Representatives, where he served as Majority Floor leader in his second term. After completion of his second term, Carnahan returned to Rolla to practice law.

He earned a business education degree from George Washington University, and joined the U.S. Air Force after graduation. During the Korean War, he served as an agent for the Office of Special Investigation. Following the Korean War, he attended law school at the University of Missouri-Columbia and graduated with Order of the Coif and Law Review honors.

Approximately 500 students will receive degrees from UMR at commencement. The ceremony will be at 2 p.m. at Jackling Field or in the case of inclement weather, in the Gale Bullman Multi-Purpose Building.

Chancellor John T. Park, believes the May class has performed well in their time at UMR.

"This class has been one of outstanding academic abilities. This May eight individuals will graduate with a 4.0 grade point average for all of their University of Missouri hours. This is the most of any commencement in my eight years as Chancellor. The campus is very proud of all of the May graduates and have great expectations for them in the future," Park said.

A UMR senior Biological Science major, Matt Hagen, has enjoyed his time in Rolla, and will miss activities he has been able to participate in at UMR.

"I'll miss running with the cross-country and track teams and life at Lambda Chi Alpha," Hagen said. "As far as running goes, I'll miss running on a day to day basis with the team. Road trips were always fun, and I'll miss the coaching and advice of Sarah Preston."

Senior James Nelson, a senior Mechanical Engineering major, also enjoyed his time at UMR, but thinks that leaving is necessary.

"I'll miss friendships and having a flexible schedule as a student," Nelson said. "I'm not really too happy to leave. School is fun. It just doesn't pay very well."

Hagen believes his experience at UMR has been a good one but looks forward to new opportunities.

"I'm looking forward to a change of scenery and experiencing something different," Hagen said. "I've had a really good experience here at UMR. [Because of] the combination of the things I enjoy, having practice, meets and fraternity activities to do, I've never been bored. I feel like I've always been challenged."

Park thinks students will face challenges in their lives after college, but is confident of their abilities.

"UMR graduates are facing the most challenging environment seen by any class. The economy is truly global and changing faster than it has ever changed before. While this environment is a challenge, it also presents great opportunities to those who are prepared to adapt rapidly. I am confident that UMR has prepared its graduates to succeed. Ethical behavior is always a major issue especially in times of rapid change. Roy Disney said it best when he said, 'It's not hard to make decisions when you know what your values are,'" Park said.

Park also wanted to congratulate the May graduates.

"Congratulations on completing this major milestone in your life. You not only will be receiving your respective degree, but more importantly, you have received a first class education. You now carry the UMR brand. Your success reflects on the university and UMR's quality reflects on you."



Governor Mel Carnahan, pictured here with his wife Jean, will speak at this year's graduation.
photo courtesy of Rod Lentz

Management Systems holds annual awards banquet: several students honored

by Stephanie Fitch
Management Systems

Management Systems Program at the University of Missouri-Rolla held its awards banquet on Friday, April 9 at Zeno's Steakhouse in Rolla. This banquet is held annually in order to recognize both outstanding Management Systems students and also individuals who have made significant contributions to the Management Systems Program.

Dr. Catherine Riordan opened the evening with words of welcome. She introduced some special guests, including Greg McClain, member of the Corporate Advisory Board, and his wife, Janet; Phyllis Meagher, Corporate Advisory Board President; Amie Wood, representative of Ernst & Young and an alumna of the management Systems Program; and Stephanie Fitch, who has recently joined the program as Instructor and Advisor.

Ann Whitty, Engineering Manager at Alcoa Mill Products, delivered an after dinner speech on the important qualities of a leader, emphasizing the unifying theme of ethics in leadership.

Awards in a number of categories were then presented. Ann Whitty and Alcoa Mill Products received the Best Friend Award. The Outstanding Staff Member Award was presented to Gene Campos, International Student Advisor, and Dr. Mitch Watnik, Assistant Professor of Statistics, was honored with the Outstanding Faculty Member Award. Richard Words, President of the Student Association of Management Systems, won the Student Leadership Award. The Student Mentor Award was presented to Ann Canady, and Mike Drennen received the Student Ambassador Award.

These students were also honored for outstanding academic achievement in their class: Dan Billingsley, freshman class; Nick Ulmer, sophomore class; Doug Ackenhansen, junior class; Maleika Patterson, senior class; and Gretchen Spegal, super senior class.

The Management Systems Program Awards Banquet was co-sponsored by Ernst & Young, LLP, Cindy Tang, Insight Industries, and UMR.



Richard Words and Mitch Watnik.

photo courtesy of Management Systems

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KUMR to continue opera coverage

Public radio station KUMR at the University of Missouri-Rolla will follow up on live broadcasts from the Metropolitan Opera with opera from the Chicago Lyric Opera and then, in June, more opera from the world's famous opera houses.

Verdi's "Falstaff" will be the first opera to be heard (on Saturday, May 1) with Bryn Terfel in the title role. The following week features a world premiere at the Chicago Lyric of William Bolcom's "A View from the Bridge." Rolla concertgoers will remember Bolcom's recital in Castleman Hall several years ago.

Other operas from Chicago during the spring and summer will include "The Elixir of Love," "Tristan and Isolde" and Samuel Ramey's now-famous show, "A Date with the Devil," in which he sings all the famous Mephistopheles arias.

Beginning in the summer, KUMR listeners will be treated to archived recordings from opera houses around the world, including the Flanders Opera in Belgium, the Grand Theatre of Geneva, the Glimmerglass Opera and La Scala. Operas featured include "Lizzie Borden," "Mazeppa," and Lowell Liebermann's "The Picture of Dorian Gray" from the Florentine Opera company in Milwaukee, where UMR Alumnus Dick Vitek is on the board of directors.

KUMR is heard at 88.5 FM and is a public service of UMR, broadcasting at 100,000 watts and serving all of South Central Missouri. For more detailed information about the operas and the schedules, contact KUMR at (573) 341-4386.

Civil students study composites

Civil engineers from the University of Missouri-Rolla are testing lightweight composite materials on a

new patient: the old Malcolm Bliss Hospital in St. Louis.

UMR researchers have already tested the materials successfully on a highway bridge near Rolla. Now they hope to demonstrate how well those composite materials perform in a building structure. This is a unique opportunity due to the fact that tests to failure can be performed since the 35-year-old structure will be eventually demolished. Work on the building is now under way. Testing will begin the week of May 12.

"The lightweight materials, made of aramid, carbon and glass, hold promise as an affordable means to strengthen buildings, bridges and other concrete structures," says Dr. Antonio Nanni, the Vernon and Maralee Jones Professor of civil engineering at UMR and director of UMR's Center for Infrastructure Engineering Studies.

Nanni and his research group have successfully tested the composite materials on a 67-year-old bridge near Rolla. Now they're testing them on the hospital in St. Louis.

The bridge, constructed in 1932, was recently taken out of commission after the Missouri Department of Transportation opened a new highway to traffic in December. As part of the bridge project, the research group reinforced portions of the bridge's deck and pillars with rods and sheets of glass and carbon fiber-reinforced polymers (FRPs). The rods were installed in grooves cut on the concrete surfaces. The sheets were "wallpapered" and wrapped like bandages around portions of the bridge.

In St. Louis, the research team is reinforcing portions of the old hospital's concrete and masonry infrastructure to test it for strength so the buildings can be upgraded to carry loads they were not designed for, and resist natural events such as winds and earthquakes.

Nanni believes such materials could help solve many of the nation's structural and infrastructure problems. The composite materials are lighter than steel reinforcement, yet

In A Nutshell

Campus newsbriefs and announcements

stronger and more durable, and can be cost-effective, he says.

"In the repair and rehabilitation of building and civil infrastructure, these FRP materials may be very competitive on a first-cost basis," says Nanni, an expert in concrete and new materials. "Composites are lightweight, corrosion-free, and easy to install. However, we have not yet fully determined their ultimate performance in applications outside the laboratory. The hospital project will help us in this determination."

The project, a collaborative effort between UMR and the City of St. Louis, is being sponsored by Structural Preservation Systems of Baltimore, Md., which is installing the composite materials in the building; DuPont Advanced Fibers of Wilmington, Del.; Owens Corning of Granville, Ohio; Toray of Tacoma, Wash.; Reichhold Chemicals of Research Triangle Park, N.C.; and Master Builders Technologies of Cleveland, Ohio.

Four students honored for research

Four undergraduate students from the University of Missouri-Rolla were honored for outstanding research projects during UMR's Ninth Annual Undergraduate Research Symposium, held April 14 on campus.

Twenty-four UMR students participated in the symposium, which is open to any UMR student who conducted research with a faculty member.

The winners are:

First place: James T. Steller of Houston, Texas, a senior in mechanical engineering. Steller won the \$1,500 first prize for his research project titled "Experimental Study of Flow Development in an Air Mixing Plenum." He conducted his research

with Dr. Fathi Finaish, associate professor of mechanical and aerospace engineering. Steller is the son of James L. and Cheryl Steller.

Second place: Robin Paarlberg of Viburnum, Mo., a senior in geology and geophysics. Paarlberg won the second prize of \$950 for her research project titled, "Shallow Faulting Using Ground-penetrating Radar in Southeast Missouri." She worked with Dr. Neil Anderson, professor of geology and geophysics. Paarlberg is the daughter of the late Norman Paarlberg and Roberta Paarlberg of Viburnum.

Third place: Rob Mensching of Harrisonville, Mo., a senior in computer science. Mensching won the \$450 third prize for his research project titled "Identify on the Internet Using the OSIRIS Protocol." He conducted the research with Dr. Bruce McMillin, associate professor of computer science. He is the son of Gene and Susan Mensching.

Fourth place: Mark Bussman of Wheaton, Ill., a junior in aerospace engineering. Bussman won the fourth prize of \$250 for his project titled "Design and Development of a Mini Aircraft Model: a Preliminary Step Toward Development of a Micro Airplane." He conducted his research with Dr. Fathi Finaish, associate professor of mechanical and aerospace engineering. Bussman is the son of Carl and Virgie Bussman of Wheaton.

The Undergraduate Research Symposium gives UMR undergraduates the opportunity to discuss their research in a formal symposium setting. The 24 students participating in this year's symposium submitted a paper about their research and then made an oral presentation of their paper. A panel of UMR faculty members judged the presentations.

Eleven new Civil Inductees honored

Eleven civil engineering alumni of the University of Missouri-Rolla

were inducted into the UMR Academy of Civil Engineers during the group's annual meeting April 23 in Rolla.

The academy honors outstanding civil engineers for their contributions to the profession and their involvement with UMR students and faculty. The academy also serves as an advisory group to the civil engineering department.

New members are:

Raymond R. Betz of Houston, Texas, owner of The Betz Companies of Houston.

Robert Brinkmann of Chesterfield, Mo., president and founder of R.G.

Stanley J. Harris of Kansas City, Mo., city engineer for the Kansas City, Mo., Public Works Department.

Rosemary M. Ingram of Topeka, Kan., chief of the Kansas Department of Transportation's Bureau of Program Management.

John J. Moll of Wildwood, Mo., director of engineering for Ralston Purina Co. in St. Louis.

Jonathan Motherwell of The Woodlands, Texas, senior vice president for Latin America and the Caribbean for Dames & Moore Group of Houston, Texas.

Col. Eric R. Potts of Springfield, Va., executive director of civil works for the U.S. Army Corps of Engineers in Washington, D.C.

Charles Riggs of Clayton, Mo., vice president for Sverdrup Civil Inc. of Maryland Heights, Mo.

Paul C. Schnobelen III of St. Louis, managing partner for The Fortune Group LLC of St. Louis.

Willis J. Wilson of Wichita, Kan., project manager for Mid-Kansas Engineering Consultants of Wichita.

Thomas L. Zenge of Cincinnati, Ohio, association director of Beauty Care Capital Systems for Procter & Gamble in Cincinnati.

Information compiled from various sources



The Missouri Miner

The Missouri Miner is the official publication of the students of the University of Missouri - Rolla. It is distributed each Wednesday in Rolla, Missouri and features activities of the students of UMR. The Missouri Miner is also online at <http://www.umn.edu/~miner>.

The Missouri Miner encourages comments from its readers and will attempt to print all responsible letters and editorial material received. All submissions must have a name, student ID number, and phone number for verification. Names may be withheld upon request.

The Missouri Miner is operated by the students of UMR and the opinions expressed in it do not necessarily reflect those of the university, faculty, or student body.

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Mailing Address:

102A Student Organizations Annex
University of Missouri - Rolla
Rolla, MO 65401-0249

Phone:

Main Office: (573) 341-4312
Advertising Office: (573) 341-4235

E-Mail:

miner@umn.edu

1998-99 Staff

Editor-In-Chief	Justin Ferguson (jferg@acm.org)
Business Manager	Amy Morriss (amy@umn.edu)
Assistant Business Manager	Amanda Loftsgard (amloft@umn.edu)
Managing Editor	Jonathan Erdman (erdman@umn.edu)
News Editor	Keith Missey (kmissey@umn.edu)
Assistant News Editor	Andrea Benson (abenson@umn.edu)
Verve Editor	Jeffrey Leong (leong@umn.edu)
Assistant Verve Editor	Randal Burd Jr. (burd@umn.edu)
Sports Editor	Brad Neuville (bjn@umn.edu)
Assistant Sports Editor	Sean Zuckerman (szuck@umn.edu)
Advertising Director	Debbie Muller (dmuller@umn.edu)
Assistant Advertising Director	Jeff Mueller (jmueller@umn.edu)
Photo Editor	Wendy Hoffman (whoff@umn.edu)
Copy Manager	Scott Blomquist (sblomqui@umn.edu)
Assistant Copy Manager	Robert Phelan (centuri@rollanet.org)

Staff Writers: Allan Annaert, Harshal Deshpande, Erin Gifford, Holly Hawkins; Manav Misra, Walter Rader, Justin Sutherland, David Wekesa, Tracia West

Advertising Representative: Julie Nadler
Photographers: Allan Annaert, Brian Holley
Artists: C. James, Scott Swiezynski
Circulation: Sarah Palmer, Gregory Scheidt

NATIONAL & INTERNATIONAL NEWS BRIEFS

Chinese students may be violating Visa laws

Visa law dictates that all applicants be considered potential immigrants until they can satisfy the officer that they will come back home. Lying while applying or entering the country violates U.S. law and is cause for canceling a visa or curtailing a stay.

U.S. officials worry that an elite group from China is a new generation of "parachute kids", youths dropped alone into the United States to grow up here and become naturalized by sponsorship of a relative or company, or by marriage. While in the United States, they are cared for by a relative or family friend, or sometimes just a maid.

One day, they can sponsor other family members to follow.

"The parents think they're doing the best thing, but it causes some serious social disconnects that are really quite tragic," said a U.S. State Department official who in his long posting to Asia has watched the phenomenon roll from Taiwan to Hong Kong and now perhaps the mainland.

"When I look at this Shanghai group (of students), I suspect the same thing is happening."

Elizabeth Dole raises eyebrows in GOP Presidential Forum

Drawing scattered boos, Elizabeth Hanford Dole seized the spotlight Sunday night at the largest gathering yet of the 2000 campaign's GOP presidential hopefuls with an unexpected embrace of new gun control measures.

In rapid-fire seven-minute speeches at a party dinner here, Dole and seven other contenders echoed common themes of limited government and disdain for President Clinton. But they also illuminated a sharp division over America's role in the world, and a more subtle fissure over the lessons of the Littleton, Colo., high school massacre.

In the evening's most dramatic moment, Dole, the former American Red Cross president, provoked an angry reaction from some in the crowd when she endorsed a series of gun control measures, including a ban on "cop-killer" bullets and the retention of the 1994 ban on assault weapons.

"I don't think you need an AK-47 to defend your family," she said to stony silence, as she stood amid the crowd of 1,200 party activists with a clip-on microphone. Moments later, a few catcalls erupted when she called for "safety locks on guns to protect our children."

The high school shooting proved a central topic all evening, and it illuminated a distinction between the contenders over how strongly to stress overt religious messages in the party's electoral appeal. While former Tennessee Gov. Lamar Alexander joined Dole in emphasizing public policy changes that might address the tragedy, both activist Gary Bauer and former Vice President Dan Quayle offered responses that were unusually explicit in their calls for religious revival.

"The Dow Jones industrial average is near 11,000," Bauer said, "but if we don't remember that America was built on God,

nothing else will matter."

Florida primary to stay put

One by one, the states have been rushing to move up their presidential primaries next year, and Florida wasn't about to be left behind.

But late in the day on Friday, the last day of the legislature's 60-day session, a proposal to move the state's primary from March 14 to March 7 died amid wrangling over other issues. Leaders of both major political parties expressed dismay.

The failure was particularly bad news for Gov. Jeb Bush, R, who political observers believe will be able to help deliver the state for his brother and presumed presidential candidate Texas Gov. George W. Bush, R, next year.

In recent months, a handful of states, most notably California, have moved their primaries forward to March 7, the same day New York holds its contest and only a couple of weeks after the Iowa caucuses and New Hampshire primary. Several states since then have either followed California's lead or are considering doing so out of concern that the party nominations will essentially be wrapped up by the end of the day on March 7.

Because Florida is the nation's fourth-largest state, a victory by the Texas governor there would be significant, even more so on March 7 than March 14. But even Democrats wanted the primary moved forward so the state's voters would have more say in choosing their party's nominee.

In the final days of the session, Republicans in the Senate tacked the primary proposal onto a campaign finance reform bill that would have, among other things, limited "soft money" contributions to political parties. But most other Republicans, including Bush, House Republicans and the state GOP, opposed the campaign reform bill. When the House and Senate couldn't agree on campaign finance reform and another measure allowing cross-party voting in primaries, the proposal to change the primary date died.

"We're obviously disappointed," said Elizabeth Clark, a spokeswoman for Florida House Republicans. "Based on our size we thought we should be up there toward the beginning with the other big states like California and New York."

Governor Bush speaks out on conflict in Kosovo

Texas Gov. George W. Bush believes it was a mistake for House Republicans to sink a resolution last week endorsing the air war against Yugoslavia.

An overwhelming majority of Republicans in the House voted against the resolution endorsing President Clinton's Kosovo campaign, which failed on a 213-to-213 vote. But Bush, through a spokeswoman, said U.S. credibility demands support for the U.S. and NATO airstrikes.

"Because the United States threatened to use airstrikes, Governor Bush feels we had to follow through and therefore supports airstrikes," said Mindy Tucker, a spokeswoman for Bush's presidential exploratory campaign. "But it's very important for the United States to send a clear signal to (Yugoslav President Slobodan) Milosevic that we are committed to this effort and committed to winning."

The House approved a resolution requiring Clinton to seek congressional authorization before employing ground troops in Kosovo. Asked about Bush's position on that issue, Tucker said, "He believes the president is not constitutionally required to seek the permission of Congress before committing troops, but believes he (Clinton) should consult closely with Congress before making that serious decision."

Exxon Valdez trial tainted?

A federal appeals court on Monday will hear arguments that the jury that awarded more than \$5 billion in damages in the Exxon Valdez oil spill was tainted by a bailiff who pulled out his gun and joked about putting a holdout juror "out of her misery."

The same juror, who attempted suicide three weeks after the verdict, alleged she was threatened by other jurors and by the bailiff, who was forced to resign from the U.S. Marshals Service after admitting he had offered his gun and a bullet to one of the jurors and had improperly socialized with the jury.

The appeal sheds light on the deliberations that produced the largest punitive damage award in U.S. history, revealing a jury plagued by loud arguments, tearful outbursts and a nagging fear that it was unequipped to resolve the complex economic and scientific dilemmas arising from the disastrous 1989 tanker accident that spilled 11 million gallons of oil into Alaska's Prince William Sound.

Two jurors found dead fish on their lawns after the August 1994 award of \$287 million in compensatory damages, court papers show. Another juror suffered angina pains and got a doctor's letter recommending she be excused from the tense deliberations.

The oral arguments are scheduled before the 9th U.S. Circuit Court of Appeals and the stakes for Exxon are high. The company is seeking to overturn a total of \$5.3 billion in compensatory and punitive damages due to be paid to tens of thousands of fishermen, landowners, business owners and tribal natives who live and work around Prince William Sound.

The verdict "was tainted by coercion of the jury on the part of a rogue court security officer," Exxon lawyers argued in their appeal, which challenges the verdict on a variety of legal grounds.

"He intruded into the jury's deliberative process, brandished firearms at jurors, took sides in the deliberations and committed perjury to conceal his misconduct," the company's lawyers contend.

U.S. District Judge H. Russel Holland, the trial judge in Anchorage, found the bailiff's actions had no effect on the deliberations and said he did not find juror Rita Wilson to be credible when she raised allegations about a series of threats supposedly lodged against her when she held out against awarding punitive damages.

In interviews with the Los Angeles Times, jurors denied Wilson was ever threatened but admitted they had sought to have her removed from the case after she refused to consider awarding punitive damages, repeatedly ran crying from the room and demonstrated what they saw as emotional instability.

"I am confident in the process, that it

worked, and that all of us ... gave it our best judgment," foreman Kenneth Murray said. "As far as the allegations (about threats) that she made later, like the judge said: I think she believes what she believes, and I don't believe any of the rest of us believe any of it."

Juror Doug Graham said he is convinced that Wilson concurred with the \$5-billion punitive damage award. "At that moment, yes," he said. "There were people in the room that were asking her, 'Are you sure?' And she was."

It was Graham who told the court that he had been approached midway through the deliberations by bailiff Don Warrick, whom several of the jurors believed to be prying or a potential "plant."

Warrick had shown up by invitation at a weekend barbecue given by one of the jurors and went to the home of another juror to talk about a mutual interest in gold mining, all while deliberations were ongoing.

Although the bailiff did not discuss the Valdez case, a Marshal's Service deputy who investigated the case told the court he considered it potentially conduct of "a criminal nature" and added: "It is very, very out of character for anybody that is remotely connected to the U.S. marshal's office to associate with jury members. ... I can't get into my mind why this guy did this."

Not long after, Warrick suffered a heart attack while driving, crashed into a tree and died.

Only then did Wilson come forward in March of last year with new allegations, saying Warrick had threatened her. She testified in a closed session that the bailiff told her: "I could be shot, accidentally, with a throw-away gun on break and wouldn't be able to prove who did it. Or one of the jurors could just accidentally get in the deliberation room with a gun. ... He told me that he could kill me and no one would know ... and the other jurors would back him up."

Wilson also told the judge that one of her fellow jurors, Bruce Dean, warned her about opposing the verdict just as the jury was about to file into the courtroom with its \$5-billion punitive damage award. She said Dean "told me that my daughters were very good-looking, and to think about that when I gave my vote."

The judge and the plaintiffs' lawyers expressed skepticism about those allegations, particularly given Wilson's demeanor while she was testifying: trembling violently and sobbing, even before questioning reached sensitive issues. She contradicted herself and often seemed confused, the judge concluded in finding her testimony "bizarre" and "not credible."

But Exxon lawyers say her testimony should not be discounted. "If her account is not at least roughly accurate, what accounts for her suicide attempt ... and why would Mrs. Wilson tell such a story if it were not true?" attorney John Daum argued in a brief.

No other juror interviewed could remember a single threat being made against Wilson, even in jest. They said, to the contrary, the jury spent much of its time in several weeks of deliberations trying to calm and accommodate Wilson, who repeatedly rushed to the bathroom in tears.

Information compiled from L.A. Times/Washington Post news service

Final Exam Schedule

The final examination period will begin Monday, May 10, 1999 at 8:00 a.m. and end at 6:00 p.m. Friday, May 14, 1999. Common finals are scheduled for those courses listed in Section II below. Room assignments for common finals will be announced by the instructors. The courses not covered in Sections I, II, and III are to be arranged by the instructor in cooperation with the students in that course.

- I. **Evening Course Finals** are scheduled for the evening session during final week. Evening courses are those courses beginning after 5:30 p.m. Evening finals begin at 7:00 p.m.
- II. **Common Finals** include All Sections of a course.

B Eng 50	Monday	1:30-3:30
B Eng 110	Wednesday	8:00-10:00
B Eng 140	Monday	8:00-10:00
B Eng 150	Monday	8:00-10:00
CE 230	Monday	8:00-10:00
CE 233	Wednesday	8:00-10:00
CE 245	Monday	8:00-10:00
CE 299	Monday	1:30-3:30
EE 151	Thursday	8:00-10:00
EE 153	Wednesday	8:00-10:00
EM 160	Thursday	8:00-10:00
Hist 112, 175, 176	Thursday	8:00-10:00
Math 8	Monday	1:30-3:30
Math 21, 22	Wednesday	8:00-10:00
Math 204	Tuesday	8:00-10:00
ME 208	Wednesday	8:00-10:00
ME 211	Tuesday	1:30-3:30
ME 213	Thursday	8:00-10:00
ME 240, 242	Tuesday	8:00-10:00
ME 279	Tuesday	1:30-3:30
ME 280	Thursday	8:00-10:00
Phys 23, 24	Tuesday	1:30-3:30
Pol Sci 90	Thursday	8:00-10:00

III. Regular Finals

First Weekly Class Meeting	Final Exam Time
Monday 7:30	Monday 10:30-12:30
Monday 8:30	Tuesday 4:00-6:00
Monday 9:30	Wednesday 1:30-3:30
Monday 10:30	Monday 4:00-6:00
Monday 11:30	Friday 10:30-12:30
Monday 12:30	Friday 1:30-3:30
Monday 1:30	Friday 4:00-6:00
Monday 2:30	Thursday 4:00-6:00
Tuesday 8:05 or 8:30	Friday 8:00-10:00
Tuesday 9:30	Thursday 1:30-3:30
Tuesday 10:30	Thursday 10:30-12:30
Tuesday 11:05 or 11:30	Wednesday 10:30-12:30
Tuesday 12:30	Wednesday 4:00-6:00
Tuesday 1:30 or 2:05	Tuesday 10:30-12:30

According to the Student Academic Regulations all requests to change the final schedule because of conflicts or having three or more examinations scheduled on one day " are to be made in the Registrar's Office at least one week before the beginning of the final examination week" (Friday, April 30).

Opinions

Individuality the final casualty in Columbine High School massacre

An Editorial by Editor-In-Chief Justin Ferguson

This editorial was originally going to be an honest, to the point assessment of the past five years of my life, otherwise known as "my time in Rolla." Inspiration won't come from that angle, however, and I feel the need to say something with a little more weight to it.

As far as my exit from Rolla goes, the best I can say is farewell. I can't honestly say I've enjoyed it, but I can't say I regret it either. Perhaps I'm just jaded, perhaps I've been here too long ... I don't know. Whatever the case, I'm glad to be moving on.

In light of the recent events in Littleton, CO, however, I feel I should devote a little time to that topic. It's a touchy subject in a lot of areas, and for those of you that are already tired of hearing about it, I apologize in advance.

It seems to me as if there's a lot of blame being thrown around, perhaps some of it in the right direction, but most of it in the wrong direction. The media managed to, within the first 24 hours after the shootings, place blame on the music the killers listened to, the computer games the killers played, and the website the killers maintained. The urge to throw blame at whoever, or whatever, happens to be in the way almost makes me ashamed to consider myself a part of the media.

The question now, however, is not who, or what was at fault. The question has moved on to an even more difficult one: "How can we keep this from happening again?" After an article about the shootings entitled "Voices from the Hellmouth" by socio-technological columnist Jon Katz was posted on the "News for Nerds" website at <http://www.slashdot.org/> last week, high school students (and others) from all over the United States posted commentary on the site to share how their schools were

dealing with the matter. Throughout the posts, one thing became frighteningly clear — in the eyes of too many administrators, individuality is great...as long as you're just like everyone else.

Schools have created hotlines for students to report "when they have concerns about the behavior of others." Students have been kicked out of school for wearing the only coat they own, a long, black raincoat. Students have been suspended for speaking up in the defense of the killers during class discussion, for simply saying "I understand how they feel."

High school is a time of identity-seeking, a time to experiment and figure out who you really are. Taking away that ability, either by administrative order, or via simple peer pressure, is a direct route towards these problems becoming worse ... sure, the problems during high school could be gotten rid of, but then what happens during college?

Finding an answer to this problem will take some time, but in my opinion most of the solutions offered so far aren't really solutions. The answer will come in encouraging individuality, and teaching your friends, your children, and your peers to embrace the idea of being yourself. By teaching awareness and acceptance of people's differences, we can prevent many of the social tensions that are truly to blame for this tragedy in the first place — but to teach others these things, we first must practice them ourselves...

My parting words as I take leave of this institution are the following:

"Be yourself, don't judge others for being themselves, and never, ever, let anyone attempt to take away your own individuality." Best wishes, everyone.

Letter from the Chancellor

DEAR GRADUATING SENIORS,

MRS. PARK AND I WOULD LIKE TO INVITE YOU AND YOUR GUESTS TO A RECEPTION FOLLOWING GRADUATION. THE RECEPTION WILL BE HELD SATURDAY, MAY 15, BETWEEN 4:00 AND 6:00 P.M. AT THE CHANCELLOR'S RESIDENCE, 506 WEST 11TH STREET.

WE LOOK FORWARD TO CELEBRATING YOUR ACADEMIC SUCCESS WITH YOU.

SINCERELY,

JOHN T. PARK
CHANCELLOR

Letters to the Editor:

Response to Trampoline music review

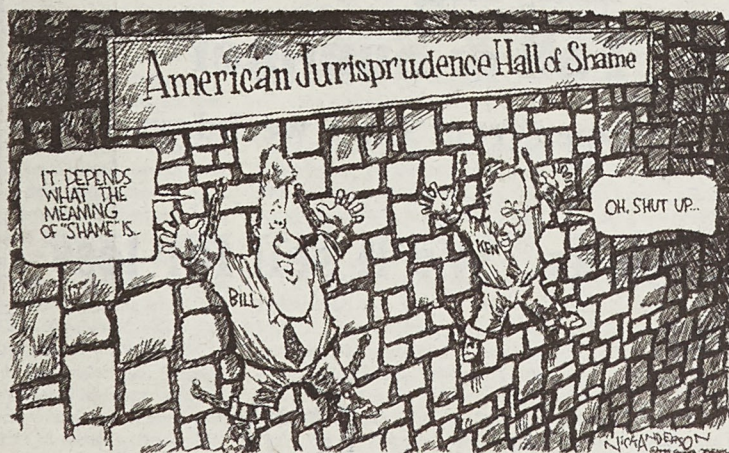
I would like to inform your music reviewer that a reviewer should have some expertise in the area in which they are attempting to make comment. If you don't like country, fine. But if the Miner really wants to review CDs then they can't ignore the fact that country music is a big part of today's music, in sales, airplay, and fan-base.

First of all, you speak of Twang as being a bad thing. Twang is part of real country music, it is part of what makes it unique, it's part of its soul. Sure there are those "modern country" fans who don't like the twang, but they are not truly country fans, they are just fickle fools who like anything mainstream and nothing which leans too far any way. When you spoke of twang in connection with the Mavericks CD, I almost died laughing. Trampoline, while indeed full of great music, has absolutely NO twang on it. Try listening to Dwight Yoakam's album

Guitars, Cadillacs, Etc., Etc. Now there is some real country twang in all it's glory. You may not appreciate the twang, and this is a prime reason that you should not do any more country album reviews yourself. I would have no right doing a dance music album review myself because I don't like the music and don't understand the value behind it.

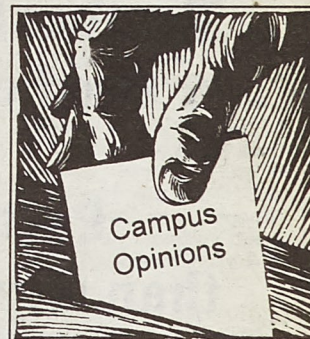
So I am just asking you to do what a good critic should. Don't review things you don't understand. This does not mean forget about them, it simply means that it might take more than one critic to review different types of music fairly. Underlying message: you can't truly review music unless you have a good understanding and appreciation of the genre and what makes it special and different.

Arthur D. Drennen
adrennen@umr.edu

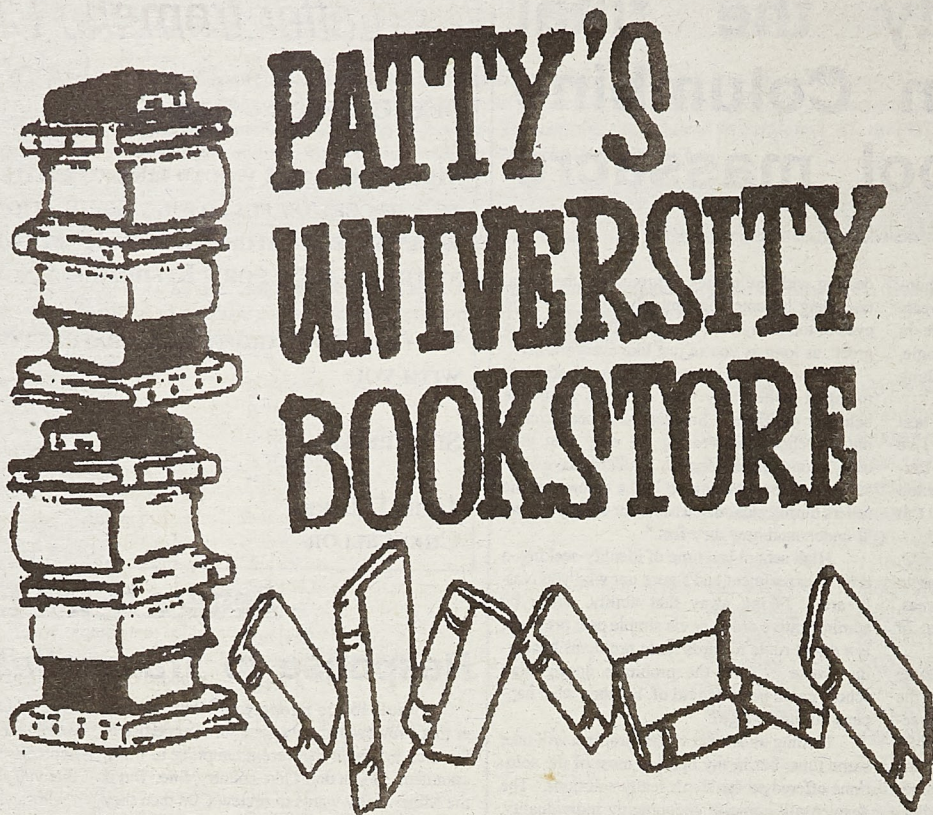


Editor's Note: The Missouri Miner meant no disrespect to the family or friends of Bryan Smith by the placement of the civil engineering building groundbreaking picture in the April 28th issue. The Missouri Miner apologizes for any injury the placement of the picture may have caused.

Let the Missouri Miner know what you think!



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Sports

Softball loses two games to Pitt State; battle for last MIAA Tourney berth

by Sean Zuckerman
Assistant Sports Editor

While the University of Missouri-Rolla women's softball team expected to be finished with their regular season, two doubleheaders were rescheduled during its week break before the Mid-America Intercollegiate Athletic Association Tournament.

The first doubleheader, which was against Pitt State was originally scheduled for Saturday, April 24, but was postponed due to a deluge of rain. The two teams met for the first time since March 25 when the Lady Miners squeaked by the Lady Gorillas 4-3. This match did not end as favorably for the team. Pitt State took both games to surpass the Lady Miners in the MIAA standings by one win.

As with almost every game the Lady Miners play, the first game of the doubleheader got off to a slow start. Neither team managed a hit until the bottom of the second inning when Sabrina Greenwell stroked a single to left field. Jaime Ostmann also made a connection, which resulted in a fielder's choice. Greenwell was out at second on the play. Rachel Roth reached second base on a fielding error by the second baseman; Ostmann advanced to third on the play as

well. The scoring opportunity was short lived, however, as Christel Knust grounded out to the Lady Gorilla's shortstop.

Pitt State scored the first run of the game in the top of the third inning. Two successive singles to center field set up the scoring chance which was given the go ahead by a Lady Miner fielding error. Two quick outs by UMR's defense minimized the damage leaving the score at 1-0 Pitt State.

The game remained at 1-0 Pitt State until the sixth inning when the Lady Gorillas put another run across the plate to take a 2-0 lead. The Lady Miners answered with a run of their own in the bottom of the sixth inning. Kari Kavanaugh clubbed a triple to the gap in left center field, which allowed Rachel Helser to cross the plate. A line drive, which was stopped by the first baseman ended the inning with UMR scoring only one run.

The Lady Gorillas added one run in the top of the seventh to extend their lead to 3-1 over the Lady Miners. The seventh inning started off positively for the women as Roth drew a walk. Pitt State's defense shut the Lady Miners down as they turned a double play getting both Roth and Knust on the play. Deceptive pitching by Brooke Davidson caused Darcey Rapp to go down swinging ending the

game.

After their near come back in the first game, the Lady Miners were determined to take the second game from Pitt State to split the doubleheader. The team's lack of offensive power struck again allowing the Lady Gorillas to win the game.

Thanks to the stellar pitching of Brooke Davidson Pitt State allowed only two hits to the Lady Miners, both of which came in the third inning when UMR scored its sole run of the game. A single to shallow center field allowed Kust to reach base. Christel then stole her twelfth base of the season, which put her in scoring position. Another single to center field by Rapp allowed Knust to score from second. Rapp advanced to second on the throw home, but the inning ended on the next batter who fouled out to first base.

The Lady Miners led the game 1-0 until the bottom of the fourth inning. The tying run for Pitt State reached in the fifth inning on a bunt down the third base line. A sacrifice bunt advanced Carol Kremer to second base. A single to center field drove Kremer home to tie the game at 1-1.

Pitt State continued their scoring trend into the fifth and sixth innings.

see Softball, page 8



Gina Daugherty scoops up a ground ball in a home game against Southwest Baptist on April 20. The Lady Miners are currently battling for a MIAA Tournament berth.

photo by Wendy Hoffman

Track looks to MIAA Championships

by Erin Gifford
Staff Writer

The University of Missouri-Rolla men and women's track teams competed in the SMSU Queen City Invitational on Saturday, May 1, in Springfield, Missouri. On Sunday and Monday, May 2 and 3, the MIAA Decathlon/Heptathlon was held in Pittsburg, Kan. Results of the event were not available at press time.

The following events are ones that involved UMR competitors at the Queen City Invitational. For the men, Mike Smolinski placed seventh in the 400-meter dash with a time of 51.18 seconds. Jeremiah Bridges and Andy Kasper also ran in the race, placing 11th and 12th respectively with times of 53.85 seconds and 55.45 seconds. The top finisher for the event was Kahlil Cato of Missouri Valley College with a time of 48.59 seconds.

In the 3000-meter run, Vladimir Golias of Central Missouri State took top honors with a time of eight minutes and 51.13 seconds. Senior Matt Hagen placed third with a time of 9:38.20. Toby Glavin and Kevin McGuire also ran for the Miners. Glavin placed seventh with a time of 10:34.15 and McGuire finished the race in 11:03.91 in eighth place.

Scott Borchers placed fourth in the 110-meter high hurdles with a time of 15.19 seconds. Brian Moor-

man of Pittsburg State captured first place in the event with a time of 14.18 seconds. The Miner team placed seventh overall in the 4x400-meter relay, beaten out by Arkansas, who's team placed first in the event. The last field event that the Miners participated in was the javelin. Heath Misak placed second for the Miners with a throw of 166 feet and two inches. Joe Riggins placed fourth in the event with a throw of 138 feet and 10 inches.

The Lady Miners competed in several events at the Invitational. Debbie Leonard and Erin Wobbe ran the 800-meter run for the team and placed 18th and 19th respectively. The winner of the race was Augustina Charles of Southwest Missouri State. Charles ran the 800-meters in 2:41.36.

Sheri Lentz placed tenth in the 1500-meter run with a time of 5:09.73. Kim Hoffman also ran for the Lady Miners and placed 12th, finishing just under a second later. Lentz also competed in the 3000-meter run, placing seventh with a time of 11:07.05. Deborah Cardenas of Tulsa placed first in the race with time of 10:23.11.

Jamie Schroetlin ran the 400-meter hurdles for the Lady Miners and placed eighth with a time of 1:11.86. Tawa Babatunde of Arkansas took top honors in the event with a time of 59.87 seconds. Arkansas also took first in the 4x400-meter relay. The

Lady Miners placed fifth overall.

Arkansas also had top finishers in the high jump and the triple jump. Rachel Kuro of UMR placed fifth in the high jump with a jump of five feet, two and one-fourth inches. Alexis Collins placed fourth in the triple jump with a leap of 34 feet, two and one-fourth inches. Collins also competed in the long jump and placed tenth with a jump of 15 feet, one and three-fourths inches.

Jackie Kelble had an excellent throw in the javelin. Her 134 foot, six inch throw was enough to surpass the NCAA Division II provisional qualifying mark. Alicia Cobb also threw for the Lady Miners and placed 12th in the event with a throw of 91 feet even. Cobb placed tenth in the discus with a throw of 113 feet and 8 inches. Julie Smith of Pitt State won the event with a throw of 161 feet 11 inches.

The UMR track team finishes up with their season in the next few weeks. On Saturday and Sunday, May 8 and 9, Northwest Missouri State is hosting the MIAA Championships in Maryville, Missouri. On Friday, May 14, Missouri Southern hosts the MSSC Last Chance Invitational in Joplin, Missouri and Thursday May 27 through Saturday, May 29, the NCAA Division II Championships will be held in Emporia, Kansas.

Golf completes season with ninth place in MIAA Tournament

by Erin Gifford
Staff Writer

The University of Missouri-Rolla men's golf team finished up the season last week at the Mid-America Intercollegiate Athletic Association Championships held in Bolivar, Missouri on Monday and Tuesday, April 26 and 27. The Miners finished ninth out of nine teams at the final tournament and placed ninth overall in the MIAA Conference.

Junior Andy Laegler held his own at the tournament, finishing the course in 205 strokes. Laegler has been consistent in placing first for the team throughout the season and tied for 21st overall at the championships. Sophomore Mike Essenspreis placed 32nd overall at the

event, completing the course in 209 strokes. Kevin Adlard came in 38th in the conference with 215 strokes. Brad Neuville tied for 41st place overall and completed the course in 220 strokes. Sophomore Zach Nixon rounded out the team with a 43rd place finish. Nixon totaled 225 strokes.

Central Missouri State was the top district qualifier for the Regional Championships, which will be held at Eagle Mountain Golf Club in Fountain Hills, Arizona on May 3-5, 1999. Also qualifying for Regionals are North Dakota, who was the North Central champion and Drury College. Drury was an independent school at the conference championships, but finished second in the tournament.

Are you looking for a way to make some extra money?

The Miner sports department has several openings. If

you like to write sports let us know!

Contact Sean Zuckerman

szuck@umr.edu

Gretzky, Jordan and Elway leave unfillable vacuum in sports world

by Bill Plaschke

LA Times/Washington Post

And so three old friends have disappeared, seemingly at once, leaving us confused and wondering where they have gone.

Jordan, Gretzky and Elway.

A raucous, foot-stomping sports era of character and virtue may have ended Sunday with the simple ache of a folk song when football's John Elway officially retired, less than four months after retirements of basketball's Michael Jordan and hockey's Wayne Gretzky.

"It's time for me to move on, I can't do it physically anymore ... and that's hard to say," said a tearful Elway, 38, during a Denver news conference featuring several emotional pauses while the legendary tough guy

composed himself.

Hard to say, even harder to hear, particularly now, as the three retirements have combined to strip today's slicked and tattooed pro sports world of some of its last threads of dignity.

In Jordan, we lost grace.

In Gretzky, we lost humility.

In Elway, as everyone was so vividly reminded Sunday, we have lost heart.

Perhaps no athlete has ever done more, with less, and for longer, than the Granada Hills, Calif., kid who became the 16-year quarterback for the Denver Broncos.

Elway won two Super Bowls, but only after he lost three.

His 148 wins are the most for any quarterback in NFL history, but he needed fourth-quarter comebacks in nearly a third of them.

In Jordan, we remember soaring.

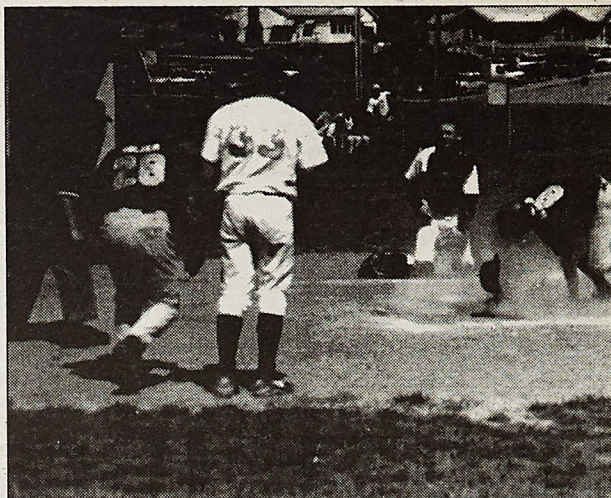
In Gretzky, we remember speed.

In Elway, we will remember swagger, a hobbling and mud-stained quarterback bravely leading his team into driving snow and overwhelming odds.

While Jordan and Gretzky are arguably the greatest athletes in their respective sports' history, Elway might not even be football's best quarterback. Joe Montana won two more Super Bowls, Dan Marino has thrown for more yards.

But with scrambling, slinging passes underneath the last ticks of giant clocks, Elway took us to places we had never been, showing us a grace under pressure that has rarely been seen.

see Void, page 9



Two Miner baseball players look to the umpire for a close call at home plate during a home game last year. This year the team's record stands at 9-27. photo by Ryan Shawgo

Softball

From page 7

Three hits accumulated two runs in the fifth inning including a RBI single to left field, which broke the 1-1 tie. The Lady Miners suffered flashbacks to the first game as Pitt State stood atop their 3-1 lead heading into the sixth inning.

The Lady Miners could not produce any offense. They went down in order in the sixth inning. Pitt State, on the other hand, had no trouble producing offense. The Lady Goril-

las led the inning off with back-to-back singles. A single to left field advanced the two base runners to scoring position on second and third and loaded the bases. The next batter up stroked a single to center field for a RBI. A fielding error by the Lady Miners allowed two more runs to score unearned.

The Lady Miners failed to produce anything in the seventh inning besides Candice Luehr's walk, and lost to Pitt State 6-1. This second victory gave Pitt State the go ahead win to overtake UMR in the MIAA conference polls.

ference polls.

The women played one more rescheduled game in their week break before the MIAA tournament. Missouri Southern traveled to Rolla, Mo. to face Lady Miners on Tuesday, May 4. Results of the game were not available at press time.

The MIAA tournament will be held this Friday and Saturday, May 7-8 in Shawnee, Kan. Currently the Miners rank ninth behind Pitt State and are battling for the eighth and final berth in the tournament.

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bid

page 8

So who will take us there now? The retirement of the three great is only the latest plague upon a rich sports landscape.

A wondrous 1998, perhaps the sports year in history with recording accomplishments of Mark Iwinski, Sammy Sosa, Cal Ripken Jr. and New York Yankees and Chicago Bulls, has been replaced by a dreary 1999.

The Super Bowl was stained by participant Eugene Robinson of Atlanta Falcons was arrested the day before the game for soliciting just hours after he had been named the league's highest award for character.

The national college basketball championship, won in an upset by Connecticut, was given a footnote in Connecticut's star guard Khalid El-Amin was arrested 15 days later for possession of marijuana.

The NBA labor problems have been shortened, hurried season filled with poor play and locker room turmoil.

Baseball's financial disparity between big and small markets led to a game in Kansas City, Mo., walking out in protest.

The Olympics absorbed a black

eye with a bribery scandal.

Boxing, with both eyes permanently blackened, absorbed a belly punch when Lennox Lewis clearly upset heavyweight champion Evander Holyfield, yet the fight was ruled a draw, leading to an investigation of judge tampering.

Joe DiMaggio died. Mike Tyson went back to jail. Dennis Rodman stayed in business (for a while, anyway).

And it's only May.

So where do we look now?

The only thing more compelling than the impression left by Jordan, Gretzky and John is the vacuum created by their absence.

Where, indeed, will we find another basketball player who can stir our imagination while reassuring our faith like Mike? Certainly not with some stars of today who curse their coaches and show up to practice without their shoes.

Where can we find another hockey player good enough to be called The Great One, yet completely embarrassed by the name? Quick, can anybody even name another hockey player?

And when will there be another Elway? He told a story Sunday that illustrated why there might never be.

During a final downtown dinner with teammates Saturday night,

Elway's car was towed from a non-parking zone.

Although he is the most popular man in the history of Colorado, Elway nonetheless shrugged and walked three miles through an industrial area to the tow lot.

He said he was so embarrassed when passed by cars full of prom-night teen-agers, he hid his face.

Once at the lot, he shrugged again when he was forced to show his proper identification before being given the keys. This story would never happen to many superstars of today.

First, few of them drive, preferring instead to hire a limousine or a bodyguard to do it for them.

Second, they would never walk to a tow lot when they could pull out a cell phone, call their agent, and badger him into dropping off his car and walking to the tow lot for them.

Finally, if they were passed by carloads of kids, they might wave them down, ask for a ride, and charge for autographs along the way.

"I never want to stop competing, but I just can't compete on this level anymore," Elway said Sunday.

In many ways, for many reasons, the "level" formed by Jordan, Gretzky and John no longer exists.

It's obviously about a big change in the money. But it's also about a big

change in us.

Look first at today's record salaries, caused by record TV and advertising dollars, caused by record fan interest.

Today's top young professionals are paid so much, so fast, they are set for life by the time they throw their first pass or shoot their first hoop.

With the three great ones, it was never that way. When they began their careers in the early 1980s, you still had to cash in on the field before you could cash in anywhere else.

With that abundance of money comes a complete lack of team loyalty. It is not a coincidence that two of the three great ones played their entire careers in the same towns, and Gretzky mostly only moved when he was traded. This led to a sense of responsibility that they carried into their life off the field.

Today, the players who stay in the same place are often as branded as the meek and underpaid ones. Everybody moves, everybody is always new. Athletes don't worry about embarrassing themselves in front of the neighbors because none of them know their neighbors.

But biggest change has perhaps occurred in us. We used to expect more from our athletes. Right or wrong, it wasn't just enough to be great players, they needed to be good

people.

We held them to a higher standard then we even held ourselves. And the great ones rose to the challenge.

Elway became Denver's leading citizen because Denver would settle for nothing less. Gretzky was careful to never do anything that would raise eyebrows among his fellow Canadians.

Jordan understood that he was performing not just for a Chicago gymnasium, but the world.

Today, the standards have been lowered, and the rules have been simplified.

If you win, you will be forgiven.

Jordan, Gretzky and Elway have all played in Los Angeles in the last five years, when they had long since become legends. Yet none were afforded the sort of loud fan appreciation that Laker fans consistently offered Rodman.

"I don't know why I'm crying," Elway said during his press conference. "I'm not going anywhere."

Oh, but he is, he's already long gone, he and Michael Jordan and Wayne Gretzky, what they were and what they represented and how they made us feel. And right about now, crying makes as much sense as anything.

Hagen, Ostmann win Bullman Awards

Press Release

MR Sports Information

Matt Hagen (Rolla, Mo.), a member of the University of Missouri-Rolla track and cross country teams, and Jaime Ostmann (Wright City, Mo.), the first baseman on the UMR softball team, were named as recipients of the 1999 Gale Bullman Awards at the M-Club awards banquet held today on campus.

The Bullman Award, named for university's former director of athletics and football coach, is the most prestigious award given to a UMR student-athlete. It is traditionally given to a senior athlete who has displayed outstanding character and excelled both on the playing field and in the classroom.

Hagen won all-conference honors in cross country this season by finishing seventh at the MIAA Championships, then won all-region honors two weeks later when he finished 11th at the NCAA Great Lakes Regional. Hagen is also the top-ranked per-

former in outdoor track in the 3,000-meter steeplechase and 5,000-meter run heading into next weekend's MIAA Championships. He will be looking to win all-conference honors in the steeplechase for the third straight year.

Ostmann enters the final games of her career with the Lady Miners as the owner of a .300 career average and has the school record for runs batted in for a career within her sights. She had 89 RBI heading into the weekend (four shy of the mark) and already holds the single-game record which she set during her freshman year. Ostmann drove in eight runs in a 1996 game against Pittsburg State. She was a two-time all-region selection at first base.

Last year's Bullman Award winners also came from those sports, as Ben Mulvaney (track/cross country) and Becca Alt (softball) were among the winners.

Dawson Driscoll, who led the Miner soccer team to its first outright conference soccer championship in

1998, was named by the M-Club as its "Coach of the Year." The Miners had their best record in school history at 13-4 under Driscoll's direction and were in contention for an NCAA Tournament bid at the end of the season. The Miners, who shared the 1997 MIAA title, won the last title in that sport for the time being as the league will not sponsor a men's soccer championship in 1999.

The Robert Nicodemus Award, presented to a top student-athlete on the football team, was given to junior running back Andy Singleton (Rolla, Mo.). Singleton also received the award last year. The guest speaker at the banquet, former UMR student-athlete and MSM-UMR Hall of Fame member Bob Berry, was given the M-M Award.

Honorary M-Club awards were given to Dr. Richard Miller, who assists at UMR soccer games, Kathy Elifrits, who assists at UMR swimming meets, and Dr. Donald Miller, the director of the UMR bands.

1999 Miner Football Schedule

Sept. 4	Quincy at Quincy, Ill.
Sept. 11	Missouri Valley at Rolla, Mo.
Sept. 18	Missouri Western at Rolla, Mo.
Sept. 25	Truman State at Kirksville, Mo.
Oct. 2	Emporia State at Rolla, Mo.
Oct. 9	Washburn at Topeka, Kan.
Oct. 16	CMSU at Warrensburg, Mo.
Oct. 23	Southwest Baptist at Rolla, Mo.
Oct. 30	Pitt. State at Pittsburg, Kan.
Nov. 6	Northwest Missouri at Rolla, Mo.
Nov. 13	Missouri Southern at Joplin, Mo.

1998-99 M-Club Most Valuable Players

Baseball: Dwight Ipock, Sr.

Basketball (Men): Scott Holly, So.

Basketball (Women): Janel McNeal, Fr., S

Cross Country (Men): Matt Hagen, Sr.

Cross Country (Women): Sheryl Ziccardi, Sr.

Football (Defense): Bryan Lewis, Sr.

Football (Offense): Jim Younce, Sr.

Golf: Andrew Laegeler, Jr.

Soccer (Men): Brian Koscielski, Sr.

Soccer (Women): Sara Rudy, Jr.

Softball: Kristi Curry, Jr.

Swimming: Mark Finley, Fr.

Tennis: Miguel Lopez, Jr.

Track and Field (Men's Indoor): Mike Smolinski, Jr.

Track and Field (Men's Outdoor): Matt Hagen, Sr.

Track and Field (Women's Indoor): Rachel Kuro, So.

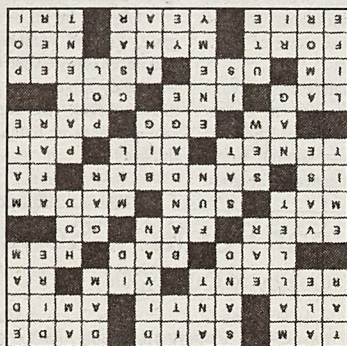
Track and Field (Women's Outdoor): Jackie Kelble, So.

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honor a loved one
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ANSWERS TO CROSSWORD PUZZLE



PUZZLE APPEARS ON PAGE 14.

Missouri Miner Officers 1999-2000

Please contact these people with future questions.

Jonathan Erdman
Editor-In-Chief
erdman@umr.edu

Amanda Loftsgard
Business Manager
amloft@umr.edu

Randal A. Burd, Jr.
Managing Editor
burd@umr.edu

Debbie Muller
Ads Director
muller@umr.edu

Brad Neuville
News Editor
bjn@umr.edu

Sean Zuckerman
Sports Editor
szuck@umr.edu

Andrea Benson
Verve Editor
abenson@umr.edu

Robert Phelan
Copy Manager
centuri@rollanet.org

Wendy Hoffman
Photo Editor
whoff@umr.edu

Look forward to another great year of
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TIP OF THE WEEK

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Verve

Radio station holds eighth silent auction for art lovers

by Harshal Deshpande

Verve Writer

KUMR, a public radio station operated at the University of Missouri-Rolla, is holding its eighth silent auction and art exhibit. The exhibit began with an opening reception at UMR's Southwestern Bell Cultural center in Rolla on Friday, April 30.

The opening reception started at 5 p.m. and lasted until 7 p.m. The exhibit and auction is open to all people until May 14, and the bids will be taken through May 13. The works will be on display from 7 p.m. to midnight Mondays through Thursdays and 1-6 p.m. on Sundays. During the auction the artwork on display will be available for silent bidding and any art piece will be sold for the highest bid at the end of the exhibit.

The proceeds from the auction will go to support KUMR as it encourages art from in and around the Rolla region. The pieces are donated

by artists from places around Rolla such as Lesterfield, St. James, Salem, Bourbon and Rolla. This year about 25 different artists have donated their art. The opening reception was a success as people from the Rolla community coming to see the exhibit and meet the artists.

"They [people] like to meet the artists and get to know a lot of information about their art forms and get a real view or composition behind the paintings or photographs," said one of the organizers. "In the last couple of years we have seen a lot of increase in appreciation for handmade crafts like the kitchen tools to regional crafts, especially the Peuter sculptures and bidding on these items have increased."

Diane Knight, a participating artist, won the Best of the Show in Photography in the region last year. The photograph she had at the exhibit was of the "Lourve," a museum in Paris, France. Knight was on a program to the Royal College of Arts in London when she visited Paris. The picture she took captured a glimpse of the moment at sunset during winter.

"From a photographer's point of view you have to play with light and try catching the short-lived moments where one has to play with light. It is so important for a photograph to have the light effects and no one can create them for you. You have to capture it from Mother Nature. Photography has been and will be a very important art form and I think people would decorate rather than painting," she said.

Diane also deals with a lot of

still life with human figures and tries to capture the right light shades in her photographs. She also creates paintings from her photographs.

"I think that if you catch a perfect moment in your camera, it is just for replicating it in form of painting. The photograph has its own beauty."

Another artist, Mary Lou Corn is also involved in the auction. She had a watercolor painting on display at the exhibit, called "January Day" which featured a stream flowing through the woods. She took the picture when she was on a float trip to Arkansas. She uses more of the atmospheric light in her paintings.

"Water colors have a sparkle in them. The light from the canvas comes true. They have freshness," Corn said. Corn commented about how different aspects contribute to the painting. Corn said, "a painting there has to be a composition, has to have a design, values such as light and the use of medium and you should be able to convey a moment by using all these."

Bill Lindgren, the Marketing Manager said that he hopes to have such successful exhibits and silent auctions in future and with an improved response.



Light, an artist submitting to the auction, talks with Dan Woodward. photo by Allan Annaert

Jazz Traditions group wraps up

Sharif

ter

At the end of a good year, the University of Missouri-Rolla is presenting a concert. The concert is public and free to all students and faculty, the concert will be at the Leach Theater in Hall, 10th and Main. For students of jazz at the semester is capped with a semester is going to be with "Jazz Traditions". The group had the opportunity to perform music of the various types of systems.

The motivation of this group is the fact that most of the students in additional practice of class rehearsals, it, Lecturer in Music and Ensemble Director, said. The inherent talents and musical interests of the students are able to realize this period prepare music from the branch of the jazz tradition.

According to Burnett, "The Ensemble is definitely a jazz program and we are looking for interested students for the group each semester."

He said that the ultimate weekly rehearsals in rudimentary studies and actual performances has been to develop

appreciation for jazz ensemble music. Guest artist France Harris will highlight this year's performance.

Burnett remarks, "France is a professional trumpet player, private music instructor and currently an active member of the 399th Army Band".

His main musical training has been with Mr. Lewis Rutland in Indiana. As an interesting note, Mr. France has had the reputation of performing professionally with military bands throughout the United States, Germany and Korea on both regional and international basis. His track record in marvelous in that he has many military awards to his name and has finished all of the advanced courses at the Armed forces School of Music.

"We are very pleased to have France in our trumpet section for this performance," says Burnett.

The program of the concert is scheduled to have:

"Groove Blues" - Don Menza
"Conspiracy Theory" - Mike Tomaro
"All The Things You Are" - Kenton Arrangement

"Glenn Miller Medley" - edited arr. Chris Burnett

"Daedalus" - Chris Burnett

"Dauphin Dance" - Herbie Hancock;

arr. Bob Mintzer

"Mercy, Mercy, Mercy" - Josef Zawinul;

arr. Phil Wilson

"The Pink Panther" - Henry Mancini

"In A Mellow Tone" - Duke Ellington;

arr. Frank Foster.

Rocko's Reviews:

Big names do not make a good flick

by Justin Sutherland

Verve Writer

Entrapment is Catherine Zeta-Jones's third Hollywood film. She captured the eyes of audiences across the globe with her appearance in *The Mask of Zorro*. Yet, the questions remain. Who is she? And where did she come from?

Zeta-Jones, was until recently only known to British audiences. Born in Swansea, Wales she started on her path to stardom working in local theaters, then moving onto London productions. Her star really didn't shine until she got a starring role in the popular British TV show *"The Darling Buds of May"*. In 1996 she took an offer to play a role in *The Phantom*.

After *The Phantom*, Zeta-Jones landed a role shortly thereafter in the mini-series *The Titanic*. Her performance would impress Steven Spielberg enough for him to recommend her to be cast in one of his current productions, *The Mask of Zorro*. Her role in this movie launched her to fame. Later, another big name in

the movie business was captivated by Zeta-Jones and personally cast her opposite him in his next movie. That big name was Sean Connery and the movie is the recently released *Entrapment*.

The Take:

Robert "Mac" MacDougal (Sean Connery; *The Rock*, *The Avengers*) is a legendary cat burglar and a suspect in the heist of a valuable Rembrandt painting. With an elaborate plan to retrieve the painting and apprehend MacDougal is Gin Baker (Catherine Zeta-Jones; *The Phantom*, *The Mask of Zorro*), an insurance investigator with a particular interest in MacDougal's handiwork. And despite either one's efforts to do their jobs, by the end, neither of them turns out to be as they first seemed.

Rocko's Two Cents:

One of the keys to watching *Entrapment* is having a major suspension of disbelief with all of its high-tech thievery. But that's easy enough to do as I have watched fantastical movies with much enjoyment. But nifty gadgets and so-so

action only get you so far. In the end, the real culprit of *Entrapment*'s mediocrity lies in a bad script.

The producers got their big-name lead actor with Connery and topped it off with a sexy female co-star with Zeta-Jones. This may be a good way to initially draw an audience, but it doesn't make you glad you stayed till the end. The writers apparently spent more time dreaming up capers for our thieving "heroes" to execute than they did on what comes in between. On top of that, they try to add some romantic elements between the stars. The end result is a dull movie with a lot of gadgets, an awkward and unrealized romance, and action that comes and goes with little thrill. The script is so limp that what *Entrapment* really needs is a large injection of Viagra. Not even the director's constant attempts to distract the audience with sexy close-ups of Zeta-Jones can possibly save this movie.

Entrapment is hardly worth seeing in theaters. Even on video, I would recommend it at your own risk.

Organizational Update

Student Council Minute: Reports

by Cody May

Student Council

The Student Council meeting held April 27 concluded a very busy and productive year for council. Thanks to all those who were active in council and we look forward to seeing you again next year. If you'd like to become active in council, e-mail stuco@umr.edu for details on how to get involved!

Moving on to issues and reports... since you'll be catching all of this right in the middle of finishing up tests and beginning your study on finals, I'll do my best to keep it short and to the point.

Campus Improvements Committee has postponed putting together a mural for the blank wall on the outside of the Engineering Research Lab (west wall) until next semester, and invited those that had suggestions to e-mail them to stuco@umr.edu. The lights between Thomas Jefferson Residence Hall and the Electrical Engineering building were now fixed and working properly. If this or a similar incident occurs in the future, don't hesitate to e-mail stuco@umr.edu.

Student Council Recorder Ben Butler, has made the Passed Resolutions and Bills on the web

(<http://www.umd.edu/~stj/uco/Resolutions/>) searchable, and he will be spending some time over the summer further improving the utility of StuCo's online records, and that any suggestions about how to improve the online records should go to stuco@umr.edu. The Student Council Calendar for the next academic year is on the web at



<http://www.umd.edu/~stj/co/calendar.html>, just in case you are already planning out your schedule for next semester.

There is currently no University policy that requires professors to only hold class inside of scheduled class times, the committee is contacting the particular departments at which class held outside of class

times is currently a major problem, and if that fails the University Relations Committee is considering writing a resolution on the issue to be presented to Council next semester. If you have any concerns or additions to this issue, please e-mail them to stuco@umr.edu.

On the orders of New Business, Brian Johnson and Matt Lockwood were elected as 1999-2000 Executive Committee Members-at-Large. Fencing Club was awarded voting status, and there was an office space switch between Akido and Show-Me Anime for the rest of the summer due to differences in the use, and the size, of the office spaces.

If your parents want/need to by you a birthday cake, they can still be ordered this year from the web at <http://www.umd.edu/~stucomen/cake.html>. And for things to look forward to, Unity Day for next semester is

September 15, 1999 and the Intercultural Relations Committee will be organizing a float trip for next semester. Hopefully this gives you a brief update on what is going on in council, and if you only picked up one thing from this article, hopefully it is "e-mail stuco@umr.edu with any issues or questions you have," due to redundancy.

Order of Omega's Award of Excellence

by Robert Maxon

Order of Omega

Order of Omega wishes to congratulate the following fraternities and sororities for winning the Award of Excellence. These include: Chi Omega, Zeta Tau Alpha, Kappa Delta, Delta Tau Delta, Kappa Alpha and Lambda Chi Alpha.

The award is based upon academic success, leadership and professional development and a healthy

lifestyle. The Award of Excellence program serves to recognize those chapters whose quality of programming has exceeded the minimum standards. The program is not a competition between the chapters. The ultimate goal would be for all chapters to fulfill the requirements for the award.

The categories for the award include: Scholarship, Member Development, Campus Involvement, Philanthropy/Service and Recruit-

ment/Retention.

The judging was done by a committee of ten Order of Omega members. Extra consideration was taken to ensure committee members represented a wide variety of fraternities and sororities. No member scored his or her own house.

The awards were presented at the Greek Banquet on April 20, 1999. Again, congratulations to the winning chapters.

Cadets receive Air Force commission

by Matt Abele

Air Force ROTC

The hard work and diligence of six cadets from Detachment 442 here at the University of Missouri-Rolla is about to pay off. On May 15, Clayton Allmon, David Canady, Kevin Gustke, Ann-Marie Hoerner, Jeff Zdenek and Tom Knaust will be commissioned as Second Lieutenants in the U.S. Air Force. Upon receiving their commission, these cadets will lay to rest their civilian lives and join the ranks of America's fighting forces which play not only the role of domestic protectors but also that of global peacekeepers. The commissioning ceremony will take place in ME 104 at 10 a.m. Clayton Allmon, who majored in

Engineering Management, will be assigned as a Communications Officer at the 721st Communications Squadron at Cheyenne Mountain AFB, Colorado. David Canady, an



Electrical Engineer is also assigned as a Communications Officer. However he will be assigned to the 83rd Communications Squadron at Langley AFB in Virginia. Kevin Gustke,

an Electrical Engineer, will be assigned to the National Air Intelligence Center at Wright-Patterson AFB in Ohio. Ann-Marie Hoerner, a Civil Engineer, will be heading out to sunny California where she will report to the 61st Air Base Group as a Base Civil Engineer at Los Angeles AFB. Jeff Zdenek, an Aeronautical Engineer, will be assigned to the Space and Missile Center at Kirtland AFB, New Mexico where he will be working as a Developmental Engineer. Tom Knaust, an Electrical Engineer, will be reporting to Undergraduate Pilot Training at Vance AFB, Oklahoma after a brief assignment at McConnell AFB, Kansas. Congratulations to all of these graduating cadets, and good luck in your upcoming assignments.

CD Review:

Groovegrass 101 blend fun and fu

by Allan Annaert

Verve Writer

I say with a bit of regret that this will be my last set of reviews for the year. Please hold your applause. Since this is my last article, I will try to make it worth everyone's time.

- ***** Crowd-surfing
- **** Moshing
- *** Dancing
- ** Tapping your toes
- * Nothing

"Groovegrass 101" Groovegrass 101 ***

I like this album. Technically, I get to choose what albums I review, but it's a very small choice. Unless some one tells me different, I will call this country music. Parts in the songs contain a lot of twang and some parts are more like funk and rap. I do like

the music, it makes me square dancing or something what to label this kind of hard.

"Walking After Me" third track, is a nice melody that could have formed by Parliament. However, most of the alike. Overall, I think long enough that it stays becoming annoying. Recently blend country and funk don't come along a good summer and don't have a nice cool drink, great summer.

I hope everyone enjoys as much as I did. It's fun to do. Certainly finals to study for, so go a good summer and don't I wouldn't do.

Book Review:

Rainbow is a major

by M Tasin Sharif

Verve Writer

Book: *Rainbow Six*

Author: Tom Clancy

Genre: Thriller

Rating: Fantastic

"No more swimming out of a submarine to do a collection on a Russian beach, or flying into Tehran to do something the Iranians wouldn't like much, or swimming up a fetid river in North Vietnam to rescue a downed aviator," is an excerpt from this novel. In his new and incredible novel, *Rainbow Six*, Clancy goes farther than anything he has done before.

At its heart is John Clark, the ex-Navy SEAL of *Without Remorse*, an expert in covert operational missions and newly named leader of an international task force devoted to combating terrorism. Clark is anticipating a new mission, but events are occurring at a faster than expected pace...an incident at a Swiss Bank, the kidnapping of an international merchant in Germany, a terrible raid on an entertainment park in Spain.

Clark has left the CIA to set up

an England-based dubbed "Rainbow". Its shall an elite squad of American special forces, French and German agents, terrorism in its tracks. As a result, Rainbow thwarts the terrorist actions.

Out of nowhere suddenly express the Rainbow's mission. The meant ulterior motives around him. All in all this his best. For techno-thriller forces tactics and gadgets for scrambling decoding codes, this book fire up the imagination.

Book: *Time Bomb 2000*

Author: Edward Yourdon

Genre: Nonfiction

Rating: Good

Many of us do maybe even care, how problem can potentially facets of business life

National Poetry contest winners che

by Michelle Paulsen

English Department

The English Department at UMR is proud to announce the winners of the National Poetry Month contest: first place, Cheryl Espinosa; second place, Mark Egley; third place, Maleika Patterson; honorable mentions,

Kyle Daugherty, M.R. Josh Kincaid. Appleb were awarded to the w

If there are any que cerns, please email paule@umr.edu.

Congratulations to the winners, and much to the applicants.

CHS: Manage your time wisely

May

to managing time effectively, I'll talk about ways to concentrate on results, not the quality of your time, using patterns and energy the big issue of procrastination. It is also possible that you may find your energy levels are driven by your eating patterns. Having a good breakfast with plenty of carbohydrates will keep your brain supplied with sugars for the early part of the day. You may find that these sugars fade sharply by mid-morning as your body reacts to high levels of sugar by burning it faster, and then finds the supply is running down. Some people find it useful to have a mid-morning snack to avoid this. Other people recommend eating protein (e.g. an egg) at breakfast. This seems to delay the energy dip. Remember to monitor caffeine usage, dependency on caffeine and heavy usage of it can adversely affect your health. Have you ever noticed that eating a large lunch seems to divert blood from your brain to digestion? You have probably felt the desire to go to sleep after a heavy meal. This will be much worse if you drink alcohol with your meals because it acts as

nize these patterns but not adjust to them or plan for them in your daily lifestyle. Planning ahead for such occurrences can greatly reduce stress loads and delay of work.

It is also possible that you may find your energy levels are driven by your eating patterns. Having a good breakfast with plenty of carbohydrates will keep your brain supplied with sugars for the early part of the day.

You may find that these sugars fade sharply by mid-morning as your body reacts to high levels of sugar by burning it faster, and then finds the supply is running down. Some people find it useful to have a mid-morning snack to avoid this. Other people recommend eating protein (e.g. an egg) at breakfast. This seems to delay the energy dip. Remember to monitor caffeine usage, dependency on caffeine and heavy usage of it can adversely affect your health.

Have you ever noticed that eating a large lunch seems to divert blood from your brain to digestion? You have probably felt the desire to go to sleep after a heavy meal. This will be much worse if you drink alcohol with your meals because it acts as

a sedative. Try experimenting with different eating and rest patterns to see which ones suit you best.

Now to the issue of procrastination. There are many forms of procrastination: paralysis by planning, perfectionism, boredom, hostility and "The Deadline High." It is easily arguable that waiting to finish, or sometimes to even start, a project or task until near the deadline is actually helpful to some people. Even though this may be true, remember that putting yourself into highly stressful situations and pulling all-nighters isn't healthy in the least. The only positive form of procrastination is when you are really too tired or exhausted to work, when you do not have the appropriate skills and information for a task, or when there is something that is more important that needs to be done.

Hopefully, this gives you something to think about in your daily lives, especially when finals are just a couple of days away. If you would like more information on the subject don't hesitate to contact umrtech@umr.edu for more information. That's what we're here for!

International Students Club holds celebration

by Walter Rader

Verve Writer

On Sunday, May 2, the UMR International Students Club hosted International Students Day at University Center-East. The Malaysian Student Organization, the Muslim Student Association, Sigma Lambda Beta; organizations representing Africa, Bolivia, China, India, Peru, Thailand; a non-profit business Plowsharing Crafts and others attended.

Each organization set up a display, most with informational material and items native to their respective countries. Displays included movies, currency, maps, clothing, decorations, instruments, toys and figurines. Yehia Fadel, a UMR freshman and member of the African Student Association, helped out with International Student Day.

He said, about the turnout, "This is great. A lot of people came. It's nice to have cultural diversity and awareness and get people to learn about different countries and different ethnic backgrounds."

Cultural objects of a great variety

could be purchased at a display set up by Plowsharing Crafts, a St. Louis-based store that was invited by the International Students Club to attend. Staffed by volunteers, Plowsharing Crafts purchases handcrafts from disadvantaged artisans in the United States and across the globe. Volunteer Sheila Baer spoke about its mission:

"The Mennonite Central Committee, our main organization, works with crafts people in cooperatives and villages all over the world that can't make a living there. We work with them to find items that we think would sell and then we market them, and the money goes right back to the craftspeople."

Festivities at the International Student Day also included a multicultural lunch buffet. Native dishes from many different countries (and nearly all continents) were available, prepared and served with help from students. The events culminated in a cultural show. Groups from Bolivia, India and West Africa performed and were followed by a student talent show and an international fashion show.

around the world. This book not only tells you how to handle your personal risks, but also provides essential reading for everyone who wants to survive. *Time Bomb 2000* offers a programmer's viewpoint on the issue.

Although the Yourdons see an entirely different way of life, they champion a logical approach to the imminent crisis. This edition contains updated coverage of every major aspect of society, including communications, power distribution, trans-

portation, finance, travel, medicine, social services, education and employment.

"An informative look at what may well be a central issue for us all, *Time Bomb 2000* provides important information without trying to answer the unanswerable," Jennifer Buckendorf said.

The authors present adept assessments of all relative probabilities and consequences of failure. Best of all, the book presents contingency plans in the event the worst occurs.

Edward Yourdon, a software engineer and his daughter who co-authored the book have both done an excellent job.

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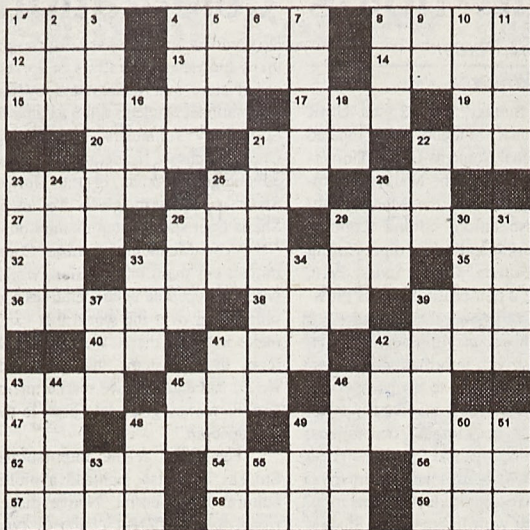
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Comics / Diversions



ACROSS

1 Scottish cap
4 Oral
8 County in Florida
12 Southern state (abbr.)
13 Against
14 In the middle
15 Give in
17 Vigor
19 Egyptian sun god
20 Boy
21 Inferior
22 Edge of cloth
23 Always
25 Create current of breeze
26 Leave
27 Small rug
28 Heat source
29 Courtesy title for woman
32 Exist

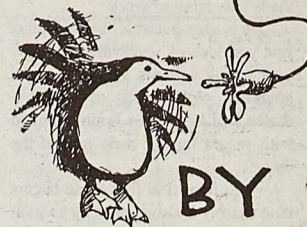
33 Sand build-up on shore
35 4th musical scale note
36 Law
38 Sick
39 Tap gently
40 Actual weight (abbr.)
41 Morning breakfast item
42 Cut
43 Fall behind
45 Pertaining to (suf.)
46 Small, temporary bed
47 I am (cont.)
48 Employ
49 Not awake
52 Bastion
54 S.E. Asia bird
56 Recent form (pref.)
57 Great lake
58 12 months
59 Three (pref.)

DOWN

1 Blacktop
2 Beer
3 Wooden hammer
4 Grit
5 Picnic pest
6 Indefinite pronoun
7 Couch
8 Water barrier
9 Be
10 Disastrous
11 Cheese
16 Listening organ
18 Division of the psyche
21 Wound cover
22 Built to transport bricks
23 Send forth
24 Holds flowers
25 Good time
26 Fish
28 Sit (p.t.)
29 Bad (pref.)
30 From a distance
31 Spouse
33 Repair with thread
34 Large
37 Pester; annoy
39 Inventor's sole right
41 Foe
42 Poland (abbr.)
43 Living organism
44 Love
45 Exist
46 Former Russian emperor (var.)
48 N. American Indians
49 Collection
50 Ever (poetic)
51 Hawaiian food
53 S. New England state (abbr.)
55 You (poetic)

Crossword
puzzle
solutions on
page 10.

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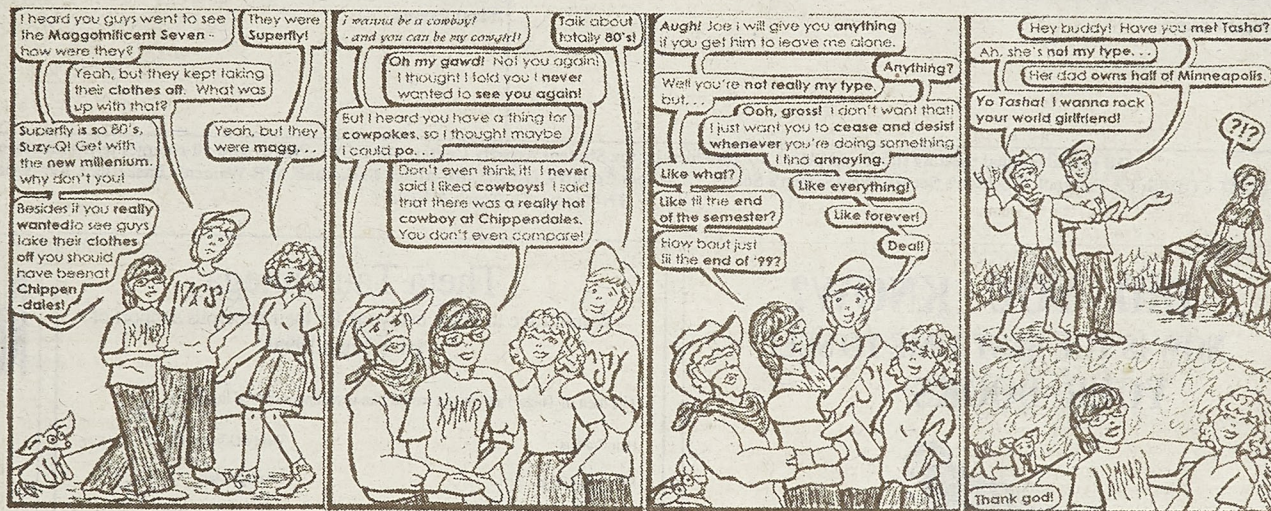
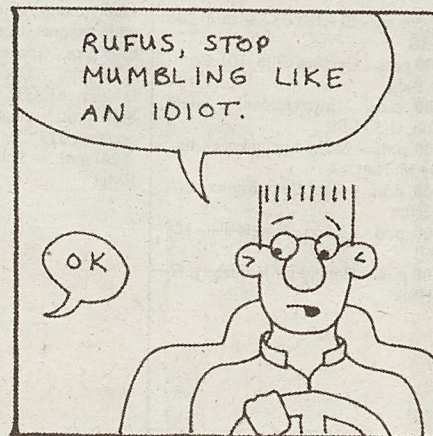
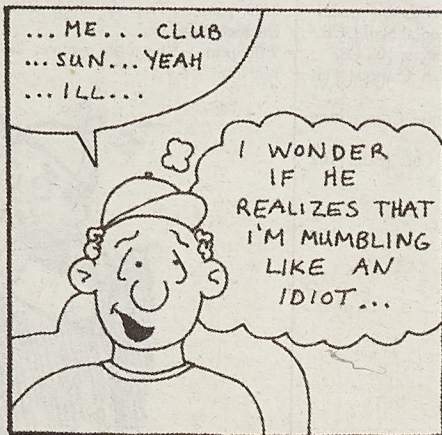
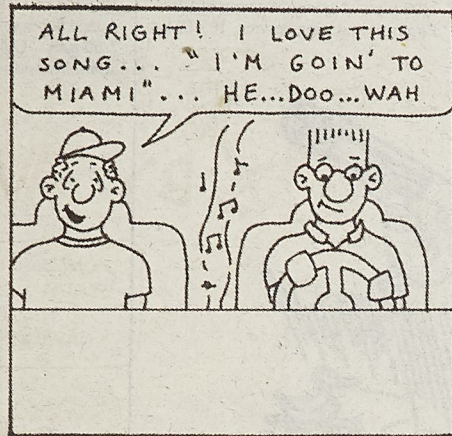
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Comics / Diversions



MINER ADJUSTMENTS

By C. James

Horoscopes by Mo's Retarded Sock Puppet

-  **Aries (March 21 - April 19):** If you haven't gone shopping for summerwear, do. An interesting person will ask you out this summer.
-  **Taurus (April 20 - May 20):** Your academics will improve next year. If you are graduating, you will find a good job.
-  **Gemini (May 21 - June 20):** Your birthday is around the corner. Enjoy it...they get worse later.
-  **Cancer (June 21 - July 22):** Your life has gotten better and will continue to improve. It will pay off to be optimistic.

-  **Leo (July 23 - August 22):** Look for critters before using any outhouses in the near future.
-  **Virgo (August 23 - September 22):** You have been fooled in the past; beware of people trying to pull the wool over your eyes.
-  **Libra (September 23 - October 22):** Libras again. Sorry, but as I told you before, this is not a year for Libras.
-  **Scorpio (October 23 - November 21):** It is wise not to complain too much. It will come back to haunt you in the near future.

-  **Sagittarius (November 22 - December 21):** Life is getting easier. Enjoy the break while you have the time.
-  **Capricorn (December 22 - January 19):** You will have the same fortunes as Virgos. Look to their horoscope for yours. Just kidding.
-  **Aquarius (January 20 - February 18):** Well, you will have a sudden craving for frog brains.
-  **Pisces (February 19 - March 20):** You will not be getting wiser as you get older, just uglier.

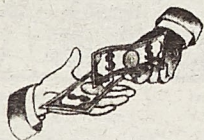
Calendar Of Events

5 Today	6 Thursday	7 Friday	8 Saturday	9 Sunday
<p>4:30 p.m. - El Club de Espanol, 205 H-SS</p> <p>5:00 p.m. - Cycling Club, 101 Beuhler Bldg.</p> <p>6:00 p.m. - International Student Club, G-5 H-SS</p> <p>6:00 p.m. - MSM Spelunkers Club, 204 McNutt</p> <p>8:00 p.m. - Tau Beta Sigma, 204 McNutt</p> <p>8:00 p.m. - Kappa Kappa Psi, 125 ChE</p> <p>8:00 p.m. - Habitat for Humanity, G-5 HSS.</p>	<p>12:00 noon - African Student Association banquet, Centennial Hall UCE.</p> <p>6:00 p.m. - Toastmasters, 109 CSF</p> <p>6:00 p.m. - Christian Campus Fellowship, EE G31.</p> <p>8:00 p.m. - Academic Competition practice, 313 CE</p> <p>8:00 p.m. - Solar Car Team, 102 EMgt</p>	<p>3:00 p.m. - Trap & Skeet Club, Buehler Bldg.</p> <p>7:00 p.m. - Show Me Anime, 204 McNutt</p>	<p>1:00 p.m. - National Society of Black Engineers tutoring service, 103 EMgt</p>	<p>10:00 a.m. - Voices of In Agape service, Missouri Rm</p> <p>2:00 p.m. - Chinese Student ation, Missouri Room UCE.</p>
<p>10 Monday</p> <p>Final Exams.</p>	<p>11 Tuesday</p> <p>Final Exams.</p>			



All organizational meeting times and places are provided by the Student Activity Center, 218 UCW. Please send all changes to the aforementioned office.
 SPORT CODES: FB-Football, MS-Men's Soccer, WS-Women's Soccer, CC-Cross Country, G-Golf, MB-Men's Basketball, WB-Women's Basketball, SW-Swimming, BB-Baseball, SB-Tennis, TF-Track & Field

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