



Missouri S&T Magazine Summer 2005

Missouri S&T Marketing and Communications Department

Miner Alumni Association

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ALUMNIUS

MSM-UMR

A PUBLICATION OF THE MSM-UMR ALUMNI ASSOCIATION

SUMMER 2005 VOL. 79, NO. 2

Thomas' Tenure:

From growing enrollment to enhancing reputation, how Chancellor Gary Thomas tackled UMR's toughest issues

MSM-UMR Alumni Association

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Photo by Bob Phelan/Photomasters

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COVER: Chancellor Gary Thomas in front of the Havener Center and the Residential College, two buildings that are changing the face of the UMR campus. Photo by Bob Phelan/Photomasters

Letters to the editor

I always enjoy the *Alumnus* coverage of UMR alumni career paths with various companies. It has been just over 10 years since I worked under Mr. (John) Eash, AE'79, MS EMgt'90, as part of the support team on the T-45. I was really excited about the winter 2004 issue because of my background with a number of the aircraft shown and mentioned. Like others from the St. Louis area, I have a family history in the aerospace industry there.

Over the past eight years in Marietta, Ga., I have provided engineering support to build and deliver the F/A-22. In October 2003 we delivered the first "production" F/A-22 to the Air Force at Tyndall Air Force Base in Panama City, Fla. The Air Force sent an F-15C to escort the F/A-22 to its new home. It was a great moment of satisfaction to watch the F-15 and F/A-22 fly south together toward Florida.

Thank you for the time and effort everyone puts into publishing the *Alumnus*.

*Kevin Guenther, ME'86
Kennesaw, Ga.*

The spring issue was a great magazine. The coverage of the performing arts on campus revived memories of my pre-World War II days at MSM.

The Delta Pi Cast of Alpha Psi Omega, National Honorary Dramatic Society, was granted to the MSM Players in 1934. In 1941, the membership consisted of four faculty members, six students and 18 pledges.

It was my senior (fifth) year and I was working as a federal timekeeper on the construction of the railroad from Newburg to Fort Leonard Wood, which was also under construction. I also directed the production of a play called "No Women Wanted," set in a cabin on an island in Lake Superior with a cast of four men and four women who had some hilarious adventures. The performance on Dec. 11, 1941, was well received by an audience that included a sizeable group of adults from off campus.

The next night's performance overflowed Parker Hall with boisterous Miners, who cheered and interrupted the performers, folded the program into airplanes that floated to the stage and, in their excitement, managed to tear loose a row of the ancient seating in the hall.

With war clouds on the horizon, like all of the senior ROTC cadets at graduation, I also received orders to enter active military duty along with my commission. I suspect that WWII caused the demise of the Delta Pi Cast of Alpha Psi Omega.

*James W. Jensen, Phys'41
North Augusta, S.C.*

Say What?

"Imagine having 3,000 elementary school kids sitting in a classroom and talking all together. That's what we're talking about."

Can Saygin, assistant professor of engineering management and systems engineering, on working with radio frequency identification tags.

"This is the earthquake we should be getting ready for. It's in our face here and now, not 200 or 300 years from now. This one could happen tomorrow."

J. David Rogers, Karl F. Hasselmann Chair of the Department of Geological Engineering, on the 1895 magnitude 6.6 earthquake that was centered in Charleston, Mo., and the chances of another moderate quake causing damage in Missouri.

"There are plenty of opportunities at UMR for women who want to get experience. I didn't expect to be helping people in Central America."

Jenna Tune, a sophomore from Rolla who traveled to Guatemala during spring break to raise awareness about the importance of water quality.

"UMR is becoming the lead university in explosives engineering education at the undergraduate level in the United States."

Larry Grayson, professor and chair of mining and nuclear engineering, on UMR's new explosives engineering minor.



MARIANNE WARD
Alumni Editor

From the Editor's Desk

Chancellor Gary Thomas logged more than 110,000 miles on behalf of UMR, and I'll always remember the 832 miles I shared with him as we cruised across Missouri and Kansas on our way to an Air Capital Section event in Wichita, Kan.

During the 11-hour round trip, Thomas shared his desire to be the quiet hero – the one who would facilitate a significant, lasting difference in the history of the UMR campus. He wanted to increase enrollment and intensify his efforts to connect with alumni, adding that we could have full access to his calendar. Word of his desire to travel spread like wildfire, and before long, alumni sections were booking him for appearances throughout the United States. His forthright delivery of the university's vision and his direct responses made him a hit among our alumni.

Thomas realized the state would never step up with enough funds to elevate UMR's status. So, as he traveled, Thomas placed the burden directly upon the shoulders of MSM-UMR graduates. Miners responded to forever change the footprint of UMR. Alumni carved out time in their busy schedules to serve their alma mater and to work with faculty and students, to force others to stand up and take notice of our first-class university in the rolling Ozark hills.

Will Thomas' tenure withstand the test of time? I'll let you be the judge.

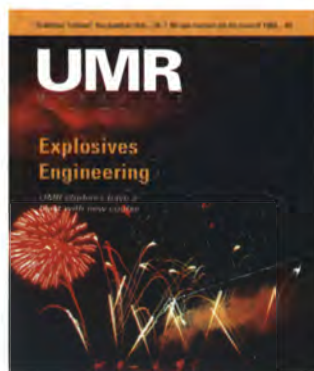
Today, UMR stands among the top 50 in *U.S. News & World Report's* annual listing of undergraduate engineering programs. We step in at 67th in the nation's best graduate engineering schools. More than 5,400 students attend UMR today, up from 4,600 five years ago. Research dollars doubled. Donations increased from \$6 million to \$17 million annually. Curriculum broadened. Buildings went up in rapid succession. Even the campus landscaping received awards.

In our next issue of the magazine, we'll introduce you to John F. "Jack" Carney III, UMR's next chancellor, and give you an idea of his vision for the campus. Not only will the chancellorship have a new look, so will our magazine. Breaking from an 80-year tradition, the MSM-UMR Alumni Association voted at its April board meeting to change the magazine's name to *UMR Magazine*. Content will remain consistent; however, more key influencers (including state legislators and deans, presidents and provosts of other universities) will receive the magazine and connect this distinguished publication with the UMR campus. We hope that recognition will help us rise even higher in national rankings.

New name, same great magazine!

The *Alumnus* magazine will sport a new name this fall: *UMR Magazine*. Interior content – fascinating articles about research, updates on campus, section event reports, sports news and alumni notes, etc. – will prevail as always.

The MSM-UMR Alumni Association Board of Directors voted to change the name during its April meeting to help constituents better connect this outstanding publication with UMR. In a fast-paced world, key state and national influencers must swiftly equate UMR with progressive research and alumni involvement as showcased in the magazine.



conceptual cover only

MSM-UMR ALUMNUS

The MSM-UMR Alumni Association publishes the *MSM-UMR Alumnus* to communicate and reflect the past, current and future interests of the alumni of the Missouri School of Mines and the University of Missouri-Rolla.

**UNIVERSITY OF MISSOURI-ROLLA
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Gary Thomas

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Feature: Gary Thomas



Photo by Bob Phelan/Photomasters

Turn on, tune in – don't drop out

by Lance Feyh (lfeyh@umr.edu)

Departing Chancellor Gary Thomas turned people on to the power of public education, tuned them in to UMR's technological potential and promoted the importance of student retention

PEACE AND LOVE HAVE ALWAYS BEEN FINE and dandy as far as **Gary Thomas** is concerned. But, lucid flashbacks to Berkeley and the '60s aside, Thomas would prefer to talk about things like reputation and retention.

Thomas, who is completing his fifth and final year as UMR chancellor this summer, started his career in higher education as a student in a Modesto, Calif., junior college. He milked cows and drove a school bus for money. Then he got a scholarship to the University of California-Berkeley, where he eventually earned a master's degree in physics (1962) and a Ph.D. in electrical engineering and computer science (1967). In those days, a lot of people at Berkeley wore buttons protesting against one thing or another. Thomas says he remembers wearing only one button. It was a take on Timothy Leary's popular slogan, "Turn on, tune in, drop out." Thomas' button read simply: "Don't drop out."

Thomas says he would have never gotten the opportunity to go to Berkeley if not for the scholarship; and declining support for public education is on his mind a lot these days. He calls the state funding problem acute. "Tuition is up because state funding is down," he points out, mindful of the fact that funding started to dry up as a result of the recession that occurred in the wake of 9-11. "As a net result, lower-income children have less chance to go to a university like UMR."

Thomas, who has held faculty and administrative positions at several universities, knows the power of education and its positive impact on society. Just look at the G.I. Bill and what it did for the country, he says.

"Is higher education a private value?" Thomas asks. "Or is it a public value? As long as we interpret higher education as basically something that is a reward for the individual – that tuition is a user fee – we're going to have deep difficulty."

He's convinced the downward trend in public support isn't temporary. "It's time to recognize that's true, and prepare for it," Thomas says. "What's the worst that can happen? If state appropriations go up, great."

Robert Brackbill, MinE'42, a UMR supporter and Thomas fan, agrees. "Today's public universities can no longer look to the government for their monetary requirements," Brackbill wrote in a letter to the student newspaper, *The Missouri Miner*, published in December 2004. "They must now rely on the generosity of alumni and industry to fund many of their needs. The faculty must learn that their chancellor's development activities will require much of his time. They must learn to solve their own internal problems, adjust to change and help develop potential contributors."

My kingdom for a horse!

Thomas, a closet Shakespeare fan, learned a lot about the Bard while driving across Missouri and the Midwest on university business. When he couldn't find a National Public Radio station, he would listen to audio cassettes and educational compact discs, and one of his favorites was an analysis of Shakespeare's plays. Even though he says he was attracted to UMR, in part,

Feature: Gary Thomas

because of its problems and related opportunities – he’s an engineer by trade, after all – that first winter in Missouri might have felt like a winter of discontent. Thomas had inherited a campus with serious enrollment-related challenges and, though he didn’t know it then, the bottom was about to fall out of the budget for higher education. He had come to UMR as a hired gun from the East Coast, where his family remained. He had a lot to do, and quickly; he was only going to stay here for five years.

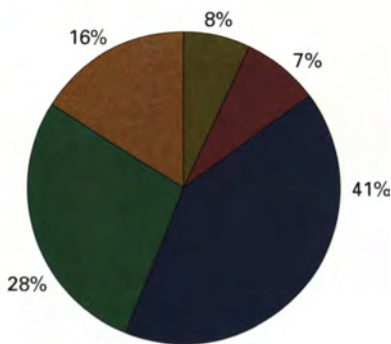
Failure wasn’t an option. Like Richard III, Thomas told his audience bluntly what he was going to do, and then he set out to do it.

In the fall of 2000, there was no question; enrollment was the main problem confronting the campus. At its busiest, in the early ’80s, the campus was overflowing with 7,000 students. When Thomas came to town at the turn of the century, the on-campus count had dropped to 4,600.

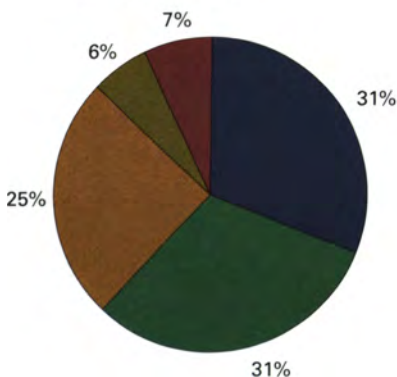
Five facts you should know...

... about UMR during the Gary Thomas years

Revenue 2001



Revenue 2004



Revenue Key

State Appropriations
Student Fees
Grants & Contracts
Private Gifts, Endowments & Investment
Other Revenue

1.) State support declined.

State support for UMR declined from \$50.6 million at the turn of the century to \$44.8 million in 2004-2005.

2.) Enrollment increased.

Enrollment increased from approximately 4,600 in 2000 to 5,400 in the fall of 2004, including 450 distance education students.

3.) Entrepreneurs 'R' us.

Thanks in part to UMR's School of Management and Information Systems (established in 2001) UMR was ranked 22nd in the nation for entrepreneurship in 2004 by *Forbes*.

4.) New degrees.

UMR offers 15 new graduate certificates and 10 new academic programs, including programs in business administration, environmental engineering and architectural engineering. More new programs are awaiting approval.

5.) Big class on campus.

The freshman class has expanded by 25 percent since fall 2000.

BONUS FACTS

Externally funded research has nearly doubled since 1999 to \$35 million – to help meet the needs of a technological society.

Freshman-to-sophomore retention is up approximately 2.5 percent, a percentage that is skewed due to the dramatic increase in the total number of freshmen.

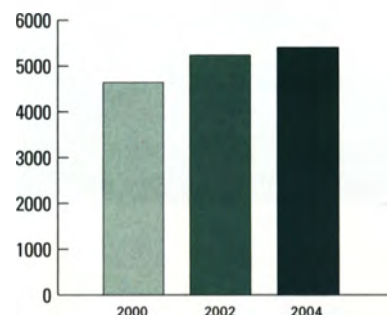
The percentage-increase in total enrollment during Thomas' first four years was 17 percent.

Six-year graduation rates increased by 21 percent in those four years.

Private giving increased from \$6 million in 2002-2003, to \$17 million, and counting, in 2005.

Enrollment on the rise –

From 4,600 in 2000 to 5,400 in 2004



“UMR has the capability to be recognized as one of the top technological universities in the United States, public or private, of any size.”

Chancellor Gary Thomas



Photo by Bob Phelan/Photomasters

Almost as quickly as he identified the main problem, Thomas realized its primary cause. “Every student we admit is capable of graduating,” he says. “Yet, we had a 52 percent graduation rate. Why? This was the fundamental indicator that something was going wrong.

“It became for me *the* issue in the first year. The graduation rate had to go up.”

There were any number of factors – Thomas would call them excuses – that had negatively impacted UMR’s graduation rates and enrollment. Brackbill, a member of the UMR Board of Trustees who had been concerned about student retention for years, went on record with the observation that, for too long, the faculty had been in control of the campus instead of the chancellor. One factor that was especially irksome to Thomas was a so-called “weed-out mentality” cultivated by some members of the faculty. Thomas made it known the university was in the business of growing educated persons, not weeding them out.

Cultivating a new environment

In an early attempt to find more resources for students, Thomas had a meeting with University of Missouri administrators on the Columbia campus during his first month on the job. “I said, ‘We need dorms and a student center,’” he recalls. “They said, ‘Show us you can pay the money back.’

“We had to turn enrollment.”

So the new UMR chancellor made a series of tough and sometimes controversial decisions. Business administration degrees and architectural engineering degrees were created. More students were recruited out of junior college. More help was extended to freshmen, who, as a result, had a better chance of becoming sophomores.

Some of his decisions rankled the old guard. “I’m not saying you couldn’t do it more smoothly than I did,” Thomas says. “I basically ignored the opposition and the *Rolla Daily News*. I try not to know who has what opinion.”

It’s hard to ignore the results. Overall enrollment has climbed to more than 5,400 (including on-campus, distance, and off-campus students). As Thomas predicted, the higher student population has corresponded with increased retention rates across all demographics. African Americans are graduating at a higher rate, and more women are now completing degrees, per capita, than their male counterparts. “We demonstrate on a daily basis that women do as well as men; in fact, better,” Thomas says, in response to recent remarks by Harvard University’s president, Lawrence Summers, who suggested females aren’t cut out for math and science.

“If we could only get the young men to do as well as the young women, we would be in fat city,” Thomas adds. “We would have a 75 percent graduation rate. Our national ranking would go up quite significantly. And we would be able to draw more and better prepared students.”

The reality that UMR is still known as an “engineering school” bothers Thomas, and he feels a broader vision for the campus should be projected.

“UMR’s reputation is that it’s a very good school of engineering,” Thomas says. “It does not have a broad profile as a technological university. This is not meant in any way as criticism, but the engineering profile is much higher than the science or arts and science profiles – even though, objectively, we probably have the best, or one of the best, American studies program in the state.”

Feature: Gary Thomas

Photo by Bob Phelan/Photomasters



Photo by Ian Nance/UMR Publications



Above left: Chancellor Gary Thomas, in May, presides over his final Commencement at UMR. Above right: The changing landscape of the UMR campus – the Havener Center and the Residential College – were built during Thomas' watch. (For more on the Havener Center, see page 14.)

All's well that ends well

As state funding was declining, private interest in UMR was, fortunately, on the rise. The two largest private gifts in campus history were made during Thomas' chancellorship. A \$5 million donation from alumnus **Gary Havener**, Math '62, led to the construction of a new student center; and another \$5 million gift, this one from **John**, ME '49, MS ME '51, and **Mary Toomey** and family, is being used for the renovation and expansion of the Mechanical and Aerospace Engineering Complex. Also on Thomas' watch, UMR's first Residential College is being built and externally funded research expenditures have more than doubled.

John Mathes, CE '67, MS CE '68, another member of the UMR Board of Trustees, says Thomas' vision for UMR, and his ability to articulate that vision to donors, resulted in dramatically increased private investment in the university. "He understood the many problems facing UMR and that they had to be solved quickly," says Mathes. "He believed that he had been hired to solve the problems, and that his term as chancellor wouldn't be a success unless they were solved."

Thomas came to UMR with the expressed intention of staying five years, and his main goal was solving the enrollment problem. With that mission largely accomplished, he is ready to move on – probably back east, where his family is. Prior to coming to UMR,

Thomas was provost and senior vice president of academic affairs at the New Jersey Institute of Technology. His first administrative positions were held at the State University of New York at Stony Brook, where he eventually served as associate dean of the graduate school and chair of the electrical engineering department. "It sort of happened," Thomas says, when asked how he got into administration. "I didn't have any plans. If I had planned, I would have done things very differently.

"I suppose everybody who graduates thinks they're going to win the Nobel Prize, but I gradually recognized that I would probably be able to do more as an administrator than as a scientist."

When interviewed for this story, Thomas was considering a position at an East Coast institution similar to UMR. But he hadn't ruled out a business venture with his son, who has a passion for building wooden boats.

He thinks UMR, while still facing many challenges, is heading in the right direction. Thomas remains protective of two interests he sees as vital to the campus's continued success: reputation and retention. As long as students, alumni, faculty and staff aren't content to be average, he says, "UMR has the capability to be recognized as one of the top technological universities in the United States, public or private, of any size."

Charging the hill

by Mindy Limback (limbackm@umr.edu)



JEFFERSON CITY HASN'T BEEN THE SAME since **Gary Thomas** joined UMR. But it's Missourians, not Thomas, who are responsible for the change.

Approved by Missouri voters in 1992, term limits – essentially restricting a legislator to no more than eight years in each chamber – took effect in 2000. In just two years, 45 percent (85 members) of the state's legislature was termed out.

The flood of new faces into the state's capitol, and the exodus of established veterans, challenged Thomas' ability to keep Missouri legislators educated about UMR.

"When Chancellor **John Park** was visiting legislators, he was able to develop long-term relationships and associations with legislators, educating them a little each year and moving them in a positive direction," says **Larry Hendren**, MinE'73, MSM-UMR Alumni Association president and government relations committee chair. "Now you have so many new people, you're starting from square one. That's a lot more challenging."

Thomas responded to the situation by emphasizing UMR's economic development benefits, research strengths, and enrollment and retention successes.

"The research that UMR did last year showed that the return for every dollar invested for higher education in Rolla gave a \$5 return back to the economy of the state of Missouri," Hendren explains. "The legislators are all amazed to hear that. It definitely enhances UMR's position, but it all comes back to the money. There are only so many slices of the pie available – and the slices are getting smaller."

In his usual articulate, get-to-the-point manner, Thomas explains the research being performed at UMR. Using everything from exhibits at the annual Undergraduate Research Day in Jefferson City

"Every dollar invested in higher education in Rolla gave a \$5 return back to the economy of the state of Missouri. The legislators are all amazed to hear that."

Larry Hendren, MinE'73

(see related article about *Undergraduate Research Day* on page 23) to other materials like brochures, Thomas shows the legislators what UMR researchers are doing and how federal and private sources are funding the work. "He then more importantly spends most of his time explaining the real-world applications of that research so that the legislators can identify with the real mission of the university and the research they are doing," Hendren adds.

Because UMR is part of a system, Thomas must constantly explain how UMR is different from the other three campuses. "Unfortunately he has to listen to the Ricky Clemons situation (about a former basketball player at another UM campus) and go through all of that before he can finally say, 'Ok, now let me tell you about what we're doing at UMR and why this is such a great school,'" Hendren says. But UMR's excellent reputation throughout the state has helped ease that burden. "In general, the legislators have a very high opinion of UMR," Hendren says. "They all have a story, and all their stories are about positive experiences that a friend, neighbor or relative had at UMR."

On the road *again*

by Mindy Limback (limbackm@umr.edu)

Photo by Julie Turley/Development



“Alumni are the people who make our reputation and need to be proud of our institution. They have the ability to help us dramatically with everything we do.”

Chancellor Gary Thomas

IF WILLIE NELSON AND GARY THOMAS have anything in common, it may be the fact that they’re both famous for their travels. For Thomas, the nearly 110,000 miles he’s logged behind the wheel on behalf of UMR have brought him closer to one of his favorite and most valued activities: meeting alumni.

“Alumni are the people who make our reputation and need to be proud of our institution,” Thomas says. “They have the ability to help us dramatically with everything we do.”

And he couldn’t wait

When Thomas came to UMR, the university’s enrollment had trickled down to 4,600 students on campus. “The situation was made worse not by his doing but by outside forces,” adds **Dan Hinkle**, EMgt’73, a former member of the MSM-UMR Alumni Association’s board of directors. The state was not supporting higher education to the extent it had in the past, and UMR had to depend more on tuition revenue for its well-being. “He came in during a very difficult time.”

Thomas wasted no time rallying alumni to tell the UMR story to as many prospective students as possible. “If students come here and we do a good job in educating them, what are they going to do? They are going to go out, get terrific jobs and make the

reputation, which will help us attract new students, new research, new gifts from alumni, new everything,” Thomas says.

His time on the road – more than any other chancellor in UMR history – illustrates just how much Thomas valued alumni support and their ability to help. “Thomas was willing to reach out and listen to us,” Hinkle says. “He told us what the school’s goals were, how we could help recruit kids, and got people to buy into it.”

The effects were “pretty much immediate,” Hinkle adds. In the next year, alumni were visiting high schools, attending college fairs, calling admitted students to congratulate them and attending prospective student receptions in their area. By sharing information about their careers and how UMR helped launch them, alumni helped bolster the university’s recruiting efforts.

Goin’ places

His road trips to section events, a total of 24 in 2003 and 2004 alone, didn’t just beef up the university’s recruiting efforts. His presence at these events across the country helped attract potentially inactive section members, encouraging them to become more involved.

“His trips gave those folks who are really active in sections the chance to get new people and new ideas into the section themselves,” says **Rich Eimer**, EE’71,

Thomas receives outstanding alumni service award

UMR Chancellor **Gary Thomas** received the University of Missouri Alumni Alliance Award during the annual UM Legislative Day, March 16, at the Missouri Capitol rotunda in Jefferson City.

Wayne Huebner, vice provost for research, accepted the award on behalf of Thomas, who was unable to attend due to illness.

Thomas was honored for all of the positive growth he has led UMR through during his five-year tenure.

MSM-UMR alumni and parents from throughout the state participated in the Legislative Day activities, asking legislators to fully fund the UM System and higher education.

They included: Art Baebler '55, '70; Matt Coco '66; Larry Hendren '73; Polly Hendren '73; Michael McMenus '81 and stepson; Mike Meyer '75; Cal Ochs '49; Bob Patterson '54; Jim Roberts '53; Max Trueblood; Larry George; Virgil Flanigan '60, '62, '68; and Bob Sfredo '58.

Staffing UMR's displays included Craig Adams; Lindsay Bagnall '76; Eric Bohannon '99; Tim Comerford; Tom Donnell; James Fonda '01; Nestor Galati '02; Greg Galecki; Ken Gorman; Wayne Huebner '82, '87; Ming Leu; Amy Light-Mills; Scott Parker; Darlene Ramsay '84; Meg Ryle; Kate Stephan; Steve Tupper, and Marianne Ward.

area director and fund-raising committee chair for the alumni association.

A respected leader, Thomas has helped build the alumni network by reconnecting graduates to the campus.

"Gary Thomas was the right leader at the right time for UMR," says **Zebulun Nash** of Houston, ChE'72, past president of the MSM-UMR Alumni Association. "From the alumni association's standpoint, Chancellor Thomas has done yeoman's work to strengthen relations between alumni and the university."

His relaxed manner and way of treating everyone like family makes the difference, says **Stephanie Martensen**, coordinator of alumni and constituent relations at UMR, who works heavily with alumni sections.

"He's warm, welcoming, open to all opinions, and honest about controversial issues," Martensen says. "He answers all questions from alumni with sincerity and travels anywhere when he's requested to be there."

"He's developed the best relationship with alumni in the chancellors that I've seen there," Hinkle adds. "He's head and shoulders above the others."



Over the past five years, Chancellor Gary Thomas has been tireless in his travels

Opposite page: Thomas visits with the Houston Section (2005). Above left: Thomas and MSM-UMR alumni participate in an Alumni Alliance event in D.C. (2001). Above top right: Thomas with Dick Elgin, CE'74, MS CE'76, Jerry Berry, CE'49, and Randy Verkamp, EMgt'72 (2001). Above, small photo, left: Thomas and Larry Hendren, MinE'73, president of the MSM-UMR Alumni Association, present an Outstanding Section Award to Gary Hines, CE'95, of the Kansas City Section (2003). Above, small photo, right: Thomas with St. Louis Section members Phil Jozwiak, CE'66, and Aaron Greenberg, CE'50 (2001). *File photos*

Fun & Family

by Mary Helen Stoltz (mhstoltz@umr.edu)

THE IMAGE OF AN ACADEMIC ADMINISTRATOR WEARING A suit and sitting in an office chair isn't an uncommon one, but it's the gag and the ropes that linger in the memories of **Gary Thomas'** administrative staff – in fact, the staff campuswide. But the image doesn't stop there.

Lashed to the chair with rope and chains, hands bound and mouth secured with duct tape, Thomas – a willing participant in a UMR Staff Recognition Day skit parodying the 1980 film *Nine to Five* – shared his sense of humor with the campus – all to a rousing Dolly Parton soundtrack.

"Any grown man who will let his assistants tie him up and gag him has to be a great guy," says **Charlotte Lewis-Barnes**, executive staff assistant in the chancellor's office. "We simply asked him if he was game to play this out with us and he didn't hesitate one second. What a sport!"

When he isn't tied up with business, Thomas likes to spend as much time as he can with his family. Thomas and his wife, **Barbara Tedesco**, have three daughters, a son and four grandchildren. All live on the East Coast. Being away from them has "been terrible," Thomas says.

"The biggest adjustment in moving to Rolla was my family, not the town," Thomas says. "My wife had planned to come, but if you don't work for UMR and you aren't an M.D. or a geologist, it's very difficult for a professional to work here." Tedesco is associate dean of the New Jersey Institute of Technology School of Management.

Thomas visits his family two or three times a semester and they visit him on campus. "When I'm back there (in New Jersey), I get together with my kids and grandkids. And when she comes here, well, there are no grandkids."

When he isn't in the office or on the road, you're likely to find Thomas in front of a movie, in the garden or reading a book. History and Shakespeare are two favorite topics.

"I like Shakespeare," Thomas says. "Shakespeare is the first person to actually deal with the inner mind in literature."

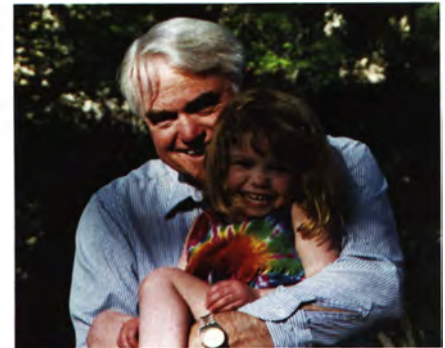
When he first arrived on campus, Thomas planted a flower garden. Now he leaves that up to the award-winning UMR grounds crew. He does still try his hand with vegetables.

"I had a spectacular tomato garden two years ago," Thomas says. "It wasn't quite as good last year, but still good. I planted – forgive me – Rutgers tomatoes (that's New Jersey)."



Together in Rolla: Chancellor Gary Thomas with his wife, Barbara Tedesco.

Thomas shares a special moment with granddaughter Gwen.



THE IMPORTANCE OF FAMILY

Thomas' children include:

Kate, mother of Gwyneth (Gwen), 6, and Caleb, 3, who lives on Long Island, N.Y.

Jennifer (Jenna), who lives in Philadelphia

Ellie, a physical therapist who lives in Manhattan, N.Y.

Derek, an architect who lives on Florida's Gulf Coast where he dreams of building wooden boats

Kate, Ellie and Derek's mother died of breast cancer while she was still a young woman.

When Thomas leaves the tomato garden behind this summer to head back to New Jersey, members of his office staff say they're going to miss him.

"In the office, we not only saw how extremely bright and hard working this man was, we saw a man with a great sense of humor, wit and a huge heart," says Lewis-Barnes, whose tenure in Parker Hall has outlasted three chancellors. "They just don't get any better than Gary Thomas. I count myself as blessed that I had the opportunity to work for him and to call him my friend."

According to **G.T.**

>>> **Gary Thomas**
Chancellor
University of Missouri-Rolla



- > One of the things I've noticed is the large number of young people who met their spouse at UMR. That's different from the alums who graduated a number of years ago. They may have married what was called a "Rolla girl," but she probably was not a UMR student.
- > The thing I miss about any place is the people. I have very good friends that I've made over the years from NJIT (New Jersey Institute of Technology) and high school. Sometimes you can keep contact with them, sometimes you can't.
- > A university's strength and weakness is homeostasis. The strength is they preserve knowledge. Just think where we'd be if we went out every morning and tried to understand the universe. Universities are great at preserving and advancing knowledge. But they are even more successful in preserving than they are in advancing. A culture persists long after it may or may not be appropriate for it to exist.
- > If we could only get the young men to do as well as the young women, we would be in fat city. We would have a 75 percent graduation rate. Our national ranking would go up quite significantly. And we would be able to draw more and better prepared students.
- > Being elite actually helps you lower costs, not increase them, because no one wants to contribute to failure.
- > I learned from Berkeley that bad decisions can have long-term consequences. You have to treat students as adults. Some of them have crazy ideas, but let them have crazy ideas and try to convince others.
- > I don't think I ever decided to be an administrator. It sort of happened and I didn't have any plans. If I had planned, I would have done things very differently.
- > I suppose everybody who graduates thinks they're going to win the Nobel Prize, but I gradually recognized that I would probably be able to do more as an administrator than as a scientist.
- > UMR's reputation is that it's a very good school of engineering. It does not have a broad profile as a technological university. This is not meant in any way as criticism, but the engineering profile is much higher than the science or arts and science profiles – even though, objectively, we probably have the best or one of the best American studies program in the state.
- > I have a satellite radio so I can listen to the BBC anytime I want to get the news. I'm not saying you can't get the news from an American broadcasting company; I'm just saying it's a different perspective.
- > I've gotten a few speeding tickets. But I also haven't gotten a ticket for quite a while because I have learned both to drive slower and to watch out.
- > I listen to courses on tape while driving. My favorite is a course on Shakespeare that I thoroughly enjoyed. But I've listened to tapes of history. The one I just finished was about a 64-tape course on the Great Minds of the Western World. It starts off with pre-Socrates period and goes through to modern times.
- > We were in Leningrad when the coming end of the Soviet Union was clear. I joked with my wife that we needed to set up a Marx Lenin Cafe' and the two I had in mind were not Karl and Vladimir, but Groucho and John.

King receives \$10K leadership award



Photos by Bob Phelan/Photomasters

Jeremiah King, right, was presented with a \$10,000 leadership award by Chancellor Thomas.

UMR junior **Jeremiah King** was recently honored for his student leadership with a \$10,000 stipend. The award recognizes the student who best personifies the strengths of UMR students. It will go toward King's 2005-2006 student fees.

The stipend, funded by an anonymous donation from an UMR graduate, was presented by UMR Chancellor **Gary Thomas** during the dedication of UMR's Havener Center in April.

King, a junior in civil engineering from St. Charles, Mo., was surprised to hear his name read and shocked to be presented with such a generous gift. "Chancellor Thomas wanted me to say a few words, and for the first time in my life I couldn't," King says.

"The alumnus (who donated funds for the stipend) wanted the award to go to someone who typified the best of UMR's student body," Thomas says. "I chose Jeremiah because he had shown leadership in two student activities and that leadership was affirmed by the vote of his peers in both."

King served as St. Pat during UMR's 2004 St. Pat's celebration and in spring 2005, he was elected student body president. According to Thomas, King is the first student to be chosen for both positions.

Photos of Dedication by Bob Phelan/Photomasters



Photo by Ian Nance/UMR Publications



Benefactor Gary Havener, left, was recognized during the April 23 dedication of the Havener Center, the new UMR student center. Portrait by artist Gilbert Early.

UMR dedicates new 'haven' for students

A public ceremony to dedicate the Havener Center, the new 105,000-square-foot student and campus center at UMR, was held April 23.

Gary Havener, Math '62, whose \$5 million gift to UMR helped make the Havener Center a reality, says he gave to UMR because the university was "a significant building block in my career." He told the crowd gathered for the dedication that the United States has to keep up

technologically if it is to maintain its position of power and import.

A native of Mexico, Mo., Havener and his wife, **Judy**, reside in Fort Worth, Texas. He is the founder of several successful businesses, including Phazar Corp. and Antenna Products Corp. His gift, the largest for a non-academic program in UMR's history, constituted the largest portion of \$9 million in private gifts for the center. UMR students footed the rest of the bill by approving a special student fee in 1997, resulting in \$12.5 million in funding.

"We would like to see Project Lead the Way offered to every high school in the state of Missouri."

Ralph Flori, assistant dean of engineering for pre-college and undergraduate programs, School of Engineering

Building excitement for engineering

UMR takes its charge of educating tomorrow's leaders in technology and engineering seriously and is heading into Missouri high-school and middle-school classrooms to prove it.

Through Project Lead the Way, headed in Missouri by **Ralph Flori**, PetE'79, MS PetE'81, PhD PetE'87, pre-engineering curriculum is introduced in middle and high schools to attract higher numbers of young people to careers in technology and engineering. The program, developed in the 1980s, is offered in 42 states and the District of Columbia.

"Project Lead the Way classes prepare students not just to be engineers, but to be technology workers," says Flori, assistant dean of

engineering for pre-college and undergraduate programs in the UMR School of Engineering. "The program introduces students to the exciting, man-made world of iPods, personal computers and automobiles. That's a departure from traditional high school science."

By focusing on activities and team-based projects, students can work with their hands and see how math fits into those activities.

"We would like to see Project Lead the Way offered to every high school in the state of Missouri,"

Flori says. "You've got many kids in high school who seem to float through, not really engaged, who aren't sure of what to do with their lives. Project Lead the Way classes will help them discover and be prepared for an exciting career in a technology or engineering field."

One-of-a-kind degree focuses on design

UMR faculty are putting the finishing touches on a new degree program that focuses on broad-based design principles. The bachelor of science degree program in interdisciplinary engineering will make its debut this fall. It is the first of its kind in Missouri and one of only a few designed to qualify for accreditation from the Accreditation Board of Engineering and Technology.

"This program was developed for students who have interests that are multi-disciplinary in nature and who are interested in design," says **Ron Fannin**, professor and chair of basic engineering, where the program will be located. "There's going to be a very strong design focus, probably more than in any other engineering program we offer."

The program will allow students whose interests fall at the boundaries of two traditional programs to design their own technical focus, such as with robotics, pyrotechnics or even entertainment engineering.

John F. Carney III next UMR chancellor

John F. "Jack" Carney III, former provost and vice president for academic affairs at Worcester Polytechnic



Institute in Worcester, Mass., will become the next chancellor at UMR. University of Missouri President Elson S. Floyd announced March 24. He was selected from a list of three finalists developed by a committee of UMR faculty, staff, students and alumni.

Carney, 63, will begin his new duties on Sept. 1, 2005. He will succeed current UMR Chancellor **Gary Thomas**, who is completing his fifth and final year as chancellor.

The full story is available online at news.umar.edu. Watch the fall issue of the magazine for a proper introduction.

"This program is far more flexible than most engineering programs," Fannin explains. "It will better serve our students who want to prepare themselves as engineering generalists. For the university, it provides a framework within which to experiment with new focuses and areas, which may spin off eventually as degree programs of their own. We can experiment and learn what's feasible in order to have a stronger program."

The new greenhouse will provide an additional research facility for UMR undergraduates enrolled in the state's first environmental engineering degree program, one of the few available in the Midwest.

Photo by Bob Phelan/Photomasters



Peter Raven, executive director of the Missouri Botanical Garden in St. Louis and a leading advocate for conservation, center, talks with donor Chester Baker, right, and Joel Burken, associate professor of civil, architectural and environmental engineering, left, inside the greenhouse prior to the dedication ceremony.

Civil goes greener

The man *Time* magazine called “Hero for the Planet” joined UMR faculty, students and an ecologically minded alumnus in March to dedicate the campus’s newest facility for environmental research. Peter Raven, executive director of the Missouri Botanical Garden in St. Louis and a leading advocate for conservation, discussed the importance of a sustainable environment during the public ceremony to dedicate the Chester and Evelyn Baker Greenhouse,

located on the roof of the Butler-Carlton Civil Engineering Building.

The greenhouse was made possible in part by a \$100,000 donation from **Chester Baker**, CE’55.

“Being a graduate of civil engineering, I’ve often wanted to do something for the school,” Baker says, so he chose a gift to help the civil engineering department’s environmental research at UMR. “My wife, Evelyn, passed away in 1995 and she always loved flowers,” Baker says. “I’m sure she would have been pleased.”

The new greenhouse will provide an additional research facility for UMR undergraduates enrolled in the state’s first environmental engineering degree program, one of the few available in the Midwest. “Being problem-solvers as engineers, defining the problem is the first step,” says **Joel Burken**, associate professor of civil, architectural and environmental engineering at UMR. “If we don’t understand the science and the problem, there’s very little chance that we can come up with a good solution.”

"We were always second guessing ourselves and double checking everything. We couldn't look at anything without thinking it might be a bomb – even a small pile of trash could be hiding a deadly weapon."

David Cleary, UMR student and member of the Army National Guard Bravo Company 203 Engineer Battalion

Engineer-in-training returns to UMR after deployment to Iraq

by Jaime Baranyai (*Rolla Daily News*)

Reprinted with permission from the *Rolla Daily News*

After spending 14 months in Iraq, **David Cleary** is happy to be home and a student at the University of Missouri-Rolla again.

Cleary, now 21, was called overseas during his second semester at UMR when he was 19. As part of the Army National Guard Bravo Company 203 Engineer Battalion from Carthage, Mo., Cleary spent most of his time in Iraq fixing roads and cities, building housing for U.S. military bases and removing trash and rubble.

"We were never involved in heavy combat," he said. "We were there primarily as builders and equipment operators."

But there were times when Cleary was involved in fighting. "There was one incident I remember as clear as day," he said. "We were traveling on a highway when two RPGs (rocket propelled grenades) were fired at our convoy. We were traveling about 65 mph and exchanging gunfire for about 30-45 seconds. Our unit laid down about 1,000 to 1,500 rounds [of bullets] during that short period of time."

Cleary said this was one of the more dangerous experiences he encountered in Iraq. "Most of the time it wasn't like that," he said. "Most of the time we were focused on our tasks

of helping and rebuilding – we weren't involved in heavy combat."

He said the only time he felt scared was when his unit was traveling. A normal workday for Cleary's unit usually consisted of at least 35 to 40 miles of traveling to a designated work site. "The only time we were scared was when we were on convoys because if traffic stopped we became a sitting target," he said. "We were always told to keep moving no matter what, but sometimes we couldn't avoid being at a dead stop in traffic and that was scary – it was like waiting to be fired at."

There would be more uneasy moments during his time in Iraq. "We were always second guessing ourselves and double checking everything," he said. "We couldn't look at anything without thinking it might be a bomb – even a small pile of trash could be hiding a deadly weapon."

There were land mines and improvised explosive devices to watch out for all the time, Cleary said. "A lot of our bases were Saddam's old bases, so we were careful in checking everything – better to be sure and safe than sorry," he said.

Photo courtesy of David Cleary



David Cleary, wearing the helmet and sunglasses, poses with a group of Iraqis. Cleary spent 14 months helping to rebuild the war-torn country.

Last fall, *Forbes* magazine listed UMR among the nation's "25 Most Entrepreneurial Campuses," and cited the capstone course as one of the reasons.

Photo by Ian Nance/UMR Publications



Above: UMR students in Lance Gentry's capstone course formed Green Lamb Co. and marketed a book, which sold more than 500 copies. The proceeds from the sales were donated to charity. Gentry, assistant professor of business administration, is shown back row, far left, with members of the company.

The Real (Business) World: Season Two

The season began with 66 neophyte entrepreneurs – each with dreams of making it big in business. Unlike the contestants of the popular reality-TV show, "The Apprentice," however, none of the seniors in this year's capstone course in UMR's School of Management and Information Systems had to worry about getting fired. The UMR students had to worry about other issues, like paying back real loans and making real profits.

In the second year of the school's capstone course, students created four real-word companies, developed business plans and implemented marketing strategies to sell products.

Green Lamb Co. marketed a book, *The College Success Guide: A unique perspective for students by students*, which includes chapters on laundry, homesickness and partying. Another

company, Open Edge, sold stadium chairs, while a third, called MORE Designs, built customized websites. CPSI promoted a coupon book.

This year's course was team-taught by **Madhu Reddy**, assistant professor of information science and technology and business administration, and **Lance Gentry**, assistant professor of business administration. According to Reddy, he and Gentry serve more as facilitators than traditional instructors. The students divide responsibilities and grade each other based on perceived contributions – giving the students experience in performance appraisals. Each company elects a chief executive officer and chooses a team to make presentations to local "venture capitalists," representatives from Phelps County Bank.

"By the time students get to this course, they should have taken all the classes they need to be successful," Reddy says. "In theory, they are

ready for the real world. But the whole goal in many ways is to let them make mistakes. This is probably one of the last times they can make business mistakes without serious consequences."

By the end of the semester, each company was expected to repay loans to the bank and donate profits to local charities. Two companies gave their profits to Prevention Consultants of Missouri, while Phelps County Community Partnership and the Phelps County Chapter of the American Red Cross were the other designated charities.

"Last year was the first time we offered this class," Reddy says. "We had 33 students and two companies. The combined profits were more than \$5,000."

The course has also paid big PR dividends for the campus. Last fall, *Forbes* magazine listed UMR among the nation's "25 Most Entrepreneurial Campuses," and cited the capstone course as one of the reasons.

Photo by Ian Nance/UMR Publications

Solar Miner V heads north this summer

The UMR Solar Car Team, which won the 2003 American Solar Challenge, is taking on North America this summer.

While the UMR team has faced competition from university teams in the United States and Canada before, this is the first time the cross-country race, which is held every two years, will actually cross countries – from the United States into Canada.

The 2005 North American Solar Challenge begins July 17 in Austin, Texas, and ends July 27 in Calgary, Ontario.

UMR team members will drive their latest vehicle, *Solar Miner V*, in the challenge. Students build a new vehicle for each race. The first year of the cycle is used for design, according to team president **Stephanie Maiden** Chem'05, BSci'05, while the second year is used for manufacturing, testing and racing.

"The car is always evolving," says Maiden, of Hannibal, Mo. "We look at what worked great, and try to make it even better."

Several MSM-UMR Alumni Association sections have planned events along the



race route. Watch for information on Texas events on July 16 in Austin and on July 17 in Weatherford, and Canadian events on July 23 in Winnipeg, Manitoba, and on July 27 in Calgary, Alberta. For more information contact **Stephanie Martensen** in the alumni office at (573) 341-4897 or email smarten@umr.edu.

Update Solar House Team

The UMR Solar House Team will compete in the Solar Decathlon Sept. 29 through Oct. 19 on the National Mall in Washington, D.C.

The solar village is open to the public Oct. 7-16. The teams' houses will be open for touring every day except Oct. 12, when they will close for competition. An overall winner



will be announced midday on Oct. 15. More information is available online at www.eere.energy.gov/solar_decathlon/schedule.html.



Photo by Ian Nance/UMR Publications

Freshman Adam Nisbett holds a print of the winning design in the Federal Junior Duck Stamp Contest. The original painting is currently on tour. The other painting pictured has won Best of Show in Missouri.

Student wins wildlife art contest

UMR freshman **Adam Nisbett** may study mechanical engineering, but science and technology aren't his only passions. At 17, this artist has already won the Federal Junior Duck Stamp Contest, beating out 26,000 other entries with his acrylic painting of two ducks to win "Best in State" for Missouri.

"The contest is held every year," says Nisbett, who read about it in *Missouri Conservationist* magazine. "It's sponsored by the U.S. Fish and

Wildlife Service, and proceeds are used to support environmental education and teach people about wildlife and the wetlands."

Nisbett has been drawing wildlife, and birds in particular, "for about as long as I can remember," he says. "I've entered the Junior Duck Stamp contest every year for the past seven years."

Nisbett has won first place in his age group every year, taking Best of Show in Missouri for four years, and receiving national Top 10 and honorable mention awards before receiving first place overall in 2004.

St. Pat's



St. Pat's Royalty honored

Jerry Bayless (pictured above, seated, with St. Pat), CE'59, MS CE'62, associate dean of undergraduate affairs in the UMR School of Engineering, served as the 2005 Honorary St. Patrick. Bayless, who has been a member of the UMR faculty for 46 years, helped St. Pat dub student and honorary knights and introduce student royalty during the annual St. Pat's Coronation Ceremony.

St. Pat was portrayed by **John Gantner** of St. Louis, a computer science major. **Rachel Grodsky** of Kansas City, Kan., a ceramic engineering major, was the 2005 Queen of Love and Beauty. She was nominated by Kappa Sigma.



Photos by Bob Phelan/Photomasters and Ian Nance/UMR Publications



2005



Spring Career Fair

2005 spring career fair a success

With 103 companies and 3,000 students in attendance, this spring's UMR Career Fair was larger and even more productive than those in previous years.

This year's fair was held in UMR's Havener Center. "Employers (at the fair) were very pleased with our facilities," says **Lea-Ann Morton**, director of the UMR Career Opportunities Center. "They felt it was a wonderful addition to the campus and a much-needed facility." Nine new employers were also introduced to the campus.

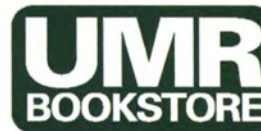
Morton has great appreciation for those who volunteered their time for the career fair. "The event would not be successful without the dedication and assistance of our volunteers," she says.

Recruiters enjoyed a reception with members of the UMR faculty and staff during the afternoon, sponsored by the MSM-UMR Alumni Association and the Career Opportunities Center.

Alumni attending included Jill Akers '99; Jim Alexander '74; Gary Amsinger '80; Brooke Antolak '03; Heather Benhardt '00; William Bolte '01; Tim Bosecker '82; Justin Branham '98; Bill Burton '82; Matt Coco '66; Dee Collins '04; Colleen Connors '04; Kristen DeFilippo '02; Natalie Dixon '96; Jason Dohrmann '99; Jack Donze '00; Ron Dutton '74; Dave Edgar '93; Daniel Ellis '99; Gary Erler '78; Jason Estel '03; Lloyd Flowers '88; Paul Ganey '04; Keith Gettinger '00; Holly Gillam '02; Brett Goodman '93; Jeremy Grither '02; Keith Harris '85; Michael Hermesmeyer '71; Tim Hogan '02; Mike Horat '87; Tim Hudwalker '88; Callie Jayne '99; Jason Jeffries '02; Brian Kecec '03; John Kelton '04; Errin Kemper '02; Jason Ketchel '04; LeAnn Kitchen '03; Ryan Koenig '02; Brett Kunce '01; John Laschober '81; Rick Licari '04; Eric Lidholm '84; Ryan Lorton '99; Ryan Lynch '03; Susan MacDonough '99; Brent Massey '95; Alicia McDonald '03; Laura McLaughlin '99; Patrick McSalley '88; Dave Meyer '81; David Milhouse '86; Bill Nash '72; James Nelson '99; Michael O'Brien '82; Dan O'Neal '99; Demon Parker '98; Vernon Peters '75; Steve Peterson '88; Barbara Porter '04; Harry Price '70; Dwan Prude '02; Sarah Pulido '00; Mike Roark '97; Aaron Robison '00; Ron Rogge '76; Rich Roser '81; Matt Sander '99; Pat Schlotzhauer '01; Bob Schoen '02; Ahmed Sharaf '03; Kyle Sims '01; Ryan Stack '02; Jim Standfast '81; Erik Stidham '04; Tyler Stone '02; Christopher Swallow '04; David Tag '98; Nicholas Tharp '04; Gale Towery '74; Marie Vanderpool '91; Jeff Vaughn '83; Stefanie Voss '00; Todd Wagner '87; Josh Wigger '04; Mark Young '75, and Mark Zeien '01.



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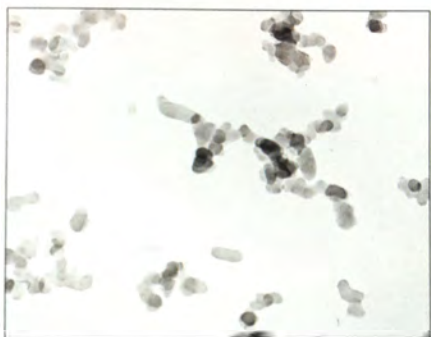
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The research team's ultimate objective is to control the formation of the soot particles. "If we can control how they are being formed in a flame, we can control how they are being emitted from any kind of internal combustion engine and reduce the effect of these particles on the environment and our health."

Umit Koylu, associate professor

Photos courtesy of Umit Koylu



UMR researchers are learning about microscopic soot particles by shining a laser into turbulent flames (top). Above: a highly magnified image of soot particulates.

Getting to the root of soot

As five Midwestern states add soot alerts to their warning system for dirty air, **Umit Koylu**, an associate professor of mechanical and aerospace engineering, is trying to get to the root of the soot problem. For the past five years, Koylu has been investigating how the microscopic particles form during combustion.

"Whenever you burn any kind of hydrocarbon fuel, especially coal, you release solid particles into the atmosphere," Koylu explains. "These very small, nanometer-sized particles are inhaled and studies show they are not good for our health or our environment."

The Environmental Protection Agency has set emissions standards for coarse particles – those larger than 2.5 micrometers, or 1/20th the width of a human hair – but not for smaller particles. "It turns out that all the combustion particles are less than 2.5 micrometers," Koylu says. "When you look at these particles under a microscope, you see the individual particles are always about the same size, between 15 and 50 nanometers or about 20 times smaller than the EPA limits. These individual particles collide with each other to form grape-like clusters, but even the overall size of these irregularly shaped aggregates is typically under one micrometer."

While it may seem like larger individual particles would be more

dangerous, Koylu says these clusters of tiny particles pose a bigger problem because of the increased surface area. "When these particles are deposited on our lungs or when they interact in the atmosphere with other gases or emissions, surface area is everything," Koylu explains. "If the surface area is more, it absorbs more of the human tissue. You can see why the overall size of the clusters is not really the most relevant parameter."

Koylu and his students have developed techniques to describe the types of solid particles found in turbulent flames. One method involves shining a laser into a soot-containing flame to see how the laser interacts with the particles. "By looking at how much the particles scatter and how much they absorb the light, we try to obtain all the physical parameters without disturbing the flame," Koylu says. "It's a detective game, similar to an investigator trying to figure out the weight or height of a person who left footprints at a crime scene."

Using electromagnetic theory, the research team came up with ways to describe the particles, including the diameter of individual particles, overall size of clusters, concentration and morphology or structure.

In addition to laser diagnostics, the team needed to collect and measure actual soot particles. But using sampling techniques is difficult, Koylu explains, because the

(Continued on the next page)

During Undergraduate Research Day at the Capitol, UMR students show legislators how they are contributing to the welfare of the state of Missouri.

Photo by Ernie Gutierrez/UM System



UMR students Kyle Anderson, center, and Kylee Hyzer, right, present their research on soybeans to a legislator during this year's Undergraduate Research Day at the Capitol.

UMR students show off research at Capitol

To hear UMR chemistry students **Kylee Hyzer** and **Kyle Anderson** talk, you would think soybeans will one day line Missouri's highways – literally. Hyzer, a sophomore from Joilet, Ill., and Anderson, a senior from California, Mo., are using what they call “green chemistry” to turn soybean oil into an environmentally friendly, renewable paint for trafficways.

The undergraduate researchers were two of 16 from UMR to present their research to legislators during

this year's Undergraduate Research Day at the Capitol.

“The demonstrations show legislators the importance of experiential learning,” says **Amy Gillman**, assistant to the vice provost for undergraduate and graduate studies at UMR. “It shows that students are contributing to the welfare of the state of Missouri.”

UMR students showed off a wide range of research topics during the event, from how to secure the nation's power grid to detecting wildfires using a wireless sensor network to using electrical current to detect skin cancer.

Getting to the root of soot, continued

microscopic particles are formed in a matter of milliseconds. Plus anytime a probe is placed into a flame, it's possible to disturb the environment.

“The best way to describe our probe is that it's like a frog's tongue,” Koylu says. “It goes into the flame, collects, and removes a sample of particles on the probe in a matter of milliseconds. The probe is cold and the particles are hot. If you've watched *A Christmas Story* where the kid puts his tongue onto a pole and couldn't take it off, you've seen the same force at work. Particles are driven onto the probe.”

The research team's ultimate objective is to control the formation of the soot particles. “If we can control how they are being formed in a flame, we can control how they are being emitted from any kind of internal combustion engine and reduce the effect of these particles on the environment and our health,” Koylu adds.

Economics is another driving force behind Koylu's work. “Environmental and health problems cost a lot of money, but at the same time, efficiency is compromised when these particles form,” Koylu adds. “When they form, thermal efficiency goes down and they also collect onto the combustor walls. These particles deposit on turbine blades, which are simply metal surfaces, and reduce durability. All these technological, environmental, and health-related issues also have economic implications.”

"We are really pleased with the opportunities that we have found to provide nontraditional academic opportunities for UMR students to make a difference in our world."

Curt Elmore, GeoE'86, assistant professor

Photo courtesy of Curt Elmore



UMR students like Leah Irwin, above, are making a difference in the lives of children in Guatemala through their efforts to provide safer drinking water.

Water to Guatemala

Listen to Belton, Mo., native **Leah Irwin** describe what it's like to shower at her grandmother's home in Honduras and you know why she was eager to bring clean water to families in Central America. "In Honduras, electricity is generated by a dam

system," says Irwin, a junior in civil engineering. "The water would only be on for seven-hour periods, so you had to plan meals and showers around that. But even during the times allotted, the water wasn't guaranteed to work. Filling up the shower bucket was necessary if you might need another bath that day or need water for other purposes. You would have to check for parasites, though, because the water is left stagnant."

Her experience visiting Honduras drew her to take a class called International Engineering and Design that included field work in Guatemala over spring break.

There, they collected data necessary to complete a pilot water distribution system designed to provide safe drinking water to the community of Camanchaj, located between Guatemala City and Chichicastenango.

The UMR team included students enrolled in the International Engineering and Design course taught by **Curt Elmore**, GeoE'86, as well as students from the Women as Global Leaders course.

It wasn't the first time UMR students have traveled to Guatemala to improve water supplies. In 2002,

an undergraduate student in geological engineering went with Elmore and his wife **Cecilia**, EMgt'86, director of UMR's Women's Leadership Institute, to oversee the drilling of a \$40,000 water well for a new orphanage in Lemoa. In 2003, students enrolled in UMR's International Groundwater Studies class spent their spring break creating an expanded water system for the tiny highlands village as well as estimating and testing available water quantities. UMR students have made several trips to Guatemala to collect water and hydrogeology data necessary to complete their graduate and undergraduate research.

"Lots of places in Guatemala have electricity," says Curt Elmore, an assistant professor of geological engineering, "but many, many rural villages don't have a sustainable source of water. So our idea was to try to use this village as a study site to start characterizing the quantity and quality of different water sources.

"We are really pleased with the opportunities that we have found to provide nontraditional academic opportunities for UMR students to make a difference in our world."

VISIONS
UMR'S ONLINE RESEARCH MAGAZINE

Get the latest on UMR's research initiatives. Subscribe to *Visions*, UMR's online research magazine. **Go to visions.umn.edu to sign up.**

Briefly

FLORI RECEIVES NATIONAL TEACHING AWARD

Ralph Flori, assistant dean of engineering for pre-college and undergraduate programs in the School of Engineering, has been picked to receive the 2005 National Outstanding Teaching Award from the American Society for Engineering Education (ASEE).



Ralph Flori

Flori received the award during the society's annual conference June 15 in Portland, Ore. ASEE is the national organization for engineering educators. Flori, PetE'79, MS PetE'81, PhD PetE'87, joined the UMR faculty in 1990.



William Schonberg

CE CHAIR EARNS ME HONOR

It isn't often that a mechanical engineering organization bestows an honor on a civil engineer. Then

again, **William Schonberg** is not your typical CE. This spring, Schonberg, the chair and professor of civil, architectural and environmental engineering, was named a fellow of the American Society of Mechanical Engineers (ASME) for his "significant engineering achievements and contributions to the engineering profession." His research has been applied to areas that blur the line between mechanical and civil engineering, such as the development of kinetic energy weapons and spacecraft orbital debris protection systems. Schonberg joined UMR in 1999 as CE chair.



Michael Schulz

PHYSICIST IS NOW A FELLOW

Michael Schulz, atomic physicist and director of the UMR Laboratory for Atomic, Molecular and Optical Research, was named a fellow of the American Physical Society. He was honored for his work on improving the understanding of the many-body problem, one of the fundamental problems in physics, which has relevance in areas beyond atomic physics.

THINK SMALL FOR A BRILLIANT 'CAREER'

Jee-Ching Wang, assistant professor of chemical and biological engineering, is the latest young faculty member to receive a National Science Foundation CAREER Award. The five-year, \$400,000 award, designed to help boost the research careers of young faculty, will support Wang's study of nanoparticles – materials so small they must be measured in nanometers, or billionths of a meter.

Wang is developing modeling methods in an effort to get nanoparticles to bind together in a predictable, ordered way. The study promises to bring researchers closer to manufacturing miniature, high-performance devices, Wang says.

Wang, who joined UMR in 2000, has also incorporated his research expertise into two new courses: Molecular Chemical Engineering and Molecular Simulation in Engineering and Science. These courses will help encourage students in chemical and biological engineering to look at engineering systems and problems from molecular perspectives, Wang says.



Jon Kiester, head coach of the Lady Miner soccer team.

Jon Kiester is new Lady Miner soccer coach

Jon Kiester, who has served as an assistant coach at the NCAA Division I level for the last six seasons, was named head coach of the UMR women's soccer team. He takes over for Al Iantorno, who stepped down from the post in March.

For the last four years, Kiester has been an assistant coach at the University of Oregon where he handled a number of responsibilities, including pre-game planning, recruiting, off-season conditioning

and other administrative duties. He also served as the assistant director for soccer camps.

Prior to his stint at Oregon, Kiester was an assistant coach at Baylor University for two years.

"I am very confident that I can bring some stability to the women's soccer program," Kiester says. "From the moment I stepped onto the UMR campus, although not too many people were around because of spring break, I had a good feeling. Everyone I met was so warm and welcoming."

"I am very excited about Jon joining our staff," says UMR director of athletics **Mark Mullin**. "I believe his experiences blend well to prepare him for the position. Jon is very personable and motivated and I am confident he will be an outstanding representative for UMR and our program."

Kiester, who holds a U.S. Soccer Federation "B" license and an NSCAA Advanced National Diploma, started his coaching career in 1996 at South Torrance High School in California, where his 1998 team won the California Interscholastic Federation co-championship and posted a perfect 14-0 record in the Ocean League. He earned CIF "Coach of the Year" honors following the 1998 spring season.

From there, Kiester moved on to the collegiate level, beginning at El Camino

Junior College as an assistant coach with both the men's and women's programs during the fall of 1998. After one season at El Camino, he accepted the women's assistant coaching position at Baylor, where he helped to recruit one of the nation's top classes for 2000, according to *Soccer Buzz* magazine.

He has also coached ODP teams in Oregon as well as club teams in southern California and Oregon, including a team that won the Oregon under-17 state cup in 2004. Kiester also coached Torrance United Soccer Club's under-18 team to a league title and the League Cup championship in the same year.

Kiester earned a bachelor's degree in history in 1994 from Hawaii Pacific University, where he served as a team captain for three seasons. He went on to play professional soccer for two years with the Hawaii Tsunami.

"The attitude around the UMR department was very friendly and family-like, as well as very professional," Kiester said. "I am looking forward to meeting the rest of the women and getting started on developing a winning attitude for next season."

The Lady Miners had a record of 3-12-4 in the 2004 season, with seven of the 12 losses coming by one goal.

Fischer agrees to free agent deal with the Kansas City Chiefs

Brett Fischer, the standout wide receiver for the UMR football team over the last four seasons, has agreed to a free agent deal with the Kansas City Chiefs of the National Football League.

Fischer, who earned honorable mention status in the Mid-America Intercollegiate Athletics Association following the 2004 season, broke or tied several school receiving records during the past year. He caught 72 passes for 1,040 yards and seven

touchdowns last season to finish fourth in the MIAA in receptions and second in receiving yards per game.

Fischer's 72 receptions this season tied the UMR single-season record and his yardage total was a school record. In addition, he had a school-record 1,517 yards over the past two seasons to establish another UMR standard. Fischer finished his career with 155 catches (second all-time at UMR) for 1,976 yards (first all-time) and 13 touchdowns.

Fischer, a Wildwood, Mo., native who graduated from Lafayette High School, is completing work on bachelor's degrees in engineering management and economics.



Brett Fischer, the standout wide receiver for the UMR football team, has agreed to a free agent deal with the Kansas City Chiefs.

Change in football schedule **2 0 0 5**



The UMR Miner football team has made a change in its 2005 season schedule, replacing a game at Nebraska-Omaha in October for a home game against Southwestern Oklahoma State.

The Miners and SWOSU Bulldogs will play on UMR's Family Day Oct. 15 at Allgood-Bailey Stadium in the first game of a two-game series between the schools. The Miners will travel to Weatherford, Okla., in the return game at the start of the 2006 season.

With this change, UMR will have six home games in its first season as an NCAA Division II independent. The Miners open their 2005 schedule Aug. 27 at Upper Iowa.

**For a complete schedule of Miner Sports go online to
[HTTP://CAMPUS.UMR.EDU/SPORTS](http://campus.UMR.edu/sports)**

Miners claim sixth place at NCAA championships

The swimming team posted a top-10 finish at the NCAA Division II Swimming and Diving Championships for the eighth time in the last nine seasons, as it ended up in sixth place at the national meet held in Orlando, Fla. All eight Miners who took part in the national meet earned some form of All-America honors.

UMR clinched that spot by getting two top-eight finishes on an individual basis on the last day of the meet, as well as an eighth-place finish in the final relay, the 400-yard freestyle event. **Bill Gaul** took sixth place in the 200-yard breaststroke with a time of 2:04.23, while **Matt Hug** was eighth in the 1,650-yard freestyle in

15:49.60. In addition, **Matt Hammond** finished ninth in the 200-yard breaststroke in 2:05.33.

The relay team, consisting of **Mark Chamberlain, Andy Lozier, Andy Shelley** and **Matt Adams**, had a time of 3:05.13 to clinch the sixth-place spot for the Miners, who scored 194 1/2 points in the four-day meet.

That quartet also posted a time of 6:48.72 in the 800-free relay to give the Miners a fifth-place finish and the third of four All-America performances in the relays. UMR also had a pair of ninth-place finishes on the third day, which came from **Travis Stensby** in the 200-yard butterfly (with a school record time of 1:50.81) and **Hug** in the 500-yard freestyle (4:32.28) as well as a 12th-place showing from **Gaul** in the 100-breaststroke (57.73 seconds).

Miners claim MIAA track titles

Three members of the UMR track teams came away with conference titles at the Mid-America Intercollegiate Athletics Association Outdoor Championships at Pittsburg State. In the final official MIAA

competition for a UMR athletic team, the Miners got individual titles from **Jamel Sims** in the 400-meter hurdles and **Adam Schuerman** in the 800-meters, while the Lady Miners' **Jamie Webb** came away with the 200-meter championship for the second time in the last three years.

Skola, Rasmussen earn All-America honors

J.R. Skola and **Whitney Rasmussen** of the track and field team each earned All-America honors at the NCAA Division II Indoor Track and Field Championships in Boston in March.

Skola, a senior from Camdenton, Mo., tied his personal best, indoors or outdoors, with a school-record clearance of 16-5 1/2 in the pole vault to earn a fourth-place finish in the event.

Skola earned four All-America awards in the pole vault during his career, which included a second-place finish in the 2003 NCAA Indoor Championships.

Rasmussen, a freshman from Lancaster, Calif., tied for fifth place in a highly competitive high jump event, with her best jump being 5-7. Rasmussen tied for fifth based on the number of misses during the competition.

Thompson chosen for Leadership Conference



Maggie Thompson was selected to represent UMR at the 2005 NCAA Leadership Conference

UMR sophomore **Maggie Thompson**, a member of the women's soccer and basketball teams, was selected to represent UMR at the 2005 NCAA Leadership Conference held

May 29-June 2 at Walt Disney World's Wide World of Sports Complex in Lake Buena Vista, Fla.

Thompson, from Marshall, Mo., was one of 324 student-athletes named to participate in the annual conference.



HOMECOMING 2005

ROLLA

Ready to have a mighty good time
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We reckon that you should rustle up
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GATHER AROUND THE CAMPFIRE FOR A LITTLE LAS VEGAS HISTORY

Larry Gragg will spin a tale about Las Vegas during our campfire story time from 2 to 3 p.m. Friday, Sept. 30, in the Silver and Gold Room of the Havener Center. His free lecture, "Before Bugsy Siegel: Las Vegas as the 'Last Frontier' Town," offers a unique perspective on this glitzy town. Prior to the opening of Benjamin Siegel's Flamingo Hotel and Casino in December 1946, the promoters of Las Vegas successfully portrayed their small community as the "Last Frontier" town. The hotels and casinos, notably the

El Rancho Vegas and the Last Frontier, had western motifs and the local newspapers and the Chamber of Commerce promoted the image of an old-time frontier town. They even held an annual Old West celebration called "Helldorado" to remind the nation there was still a place to experience Wild West bar rooms, dance halls, gambling dens, and "girlie-girlie" shows. Gragg, chair of history and political science and a Curators' Teaching Professor, invites all to join him for this look at the past.

ROUNDUP

ROUND UP SOME GOOD GRUB DURING HOMECOMING 2005

The MSM-UMR Alumni Association invites all alumni, their guests and friends to attend the three main meals sponsored by the association during Homecoming:

Silver and Gold Roundup Barbecue

Homecoming guests are invited to put on their cowboy hats, boots, bandannas and rhinestones for the Silver and Gold Roundup Barbecue in the St. Pat's Ballroom in the Havener Center. The dinner bell rings at 6 p.m. for a buffet featuring roast pig, au gratin potatoes, amaretto-glazed carrots, green beans almandine and the chocolate fountain – back by popular demand. UMR's Chamber Orchestra will rustle up some fine western-style music from 7:30 to 8:30 p.m. Each ticket includes the buffet, one drink and the orchestra's performance. The Silver and Gold Saloon will be open with a cash bar.

Tickets are \$22.50 each. Golden Alumni, who graduated in 1955 or before, may purchase up to two tickets for half price.

Chuck Wagon Reunion Lunch

Alumni and friends gather before the game in a very casual, rustic setting at the Chuck Wagon Reunion Lunch from 11 a.m. to 1 p.m. in the St. Pat's Ballroom in the Havener Center. Guests may belly up to the buffet bar for a western-style lunch of fried chicken, ribs, baked beans, cole slaw and cobbler. Reserved seating will be set for reunion classes of 1954 and before, 1955, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 1995, 2000 and 2005. *Rollamo* staffers also will have a reserved table during this event. Class photos will begin at 11:30 a.m.

Tickets are \$11 each for adults. Tickets for children ages 7 to 12 are \$5.50 each. Golden Alumni, who graduated in 1955 or before, may purchase up to two tickets for half price.

Help honor UMR's best during Alumni Roundup Awards Banquet

Alumni and friends are invited to put on their best duds for an evening honoring some of our finest graduates. The association has lassoed some of the most impressive alumni ever to graduate from MSM-UMR to receive our most prestigious MSM-UMR Alumni Association annual awards. It's worth the long haul just to hear how much our alumni have contributed to making the world a better place. The alumni association's annual meeting is held during this event. The Alumni Roundup Awards Banquet starts at 6:15 p.m. with a cash bar reception, followed by dinner of sirloin steak and chicken with a mild corn and bean salsa in the Hsia/Chao Dining Lounge, first floor, Havener Center.

Tickets are \$26 each. Golden Alumni, who graduated in 1955 or before, may purchase up to two tickets for half price.



CAMPUS TO BREAK GROUND FOR TOOMEY HALL SEPT. 30

A groundbreaking ceremony for Toomey Hall will be held from 2:30 to 3:30 p.m. Friday, Sept. 30. The new Mechanical and Aerospace Engineering Complex will feature state-of-the-art learning centers, laboratories and computer facilities. In recognition of the lead gift of \$5 million from **John ME'49, MS ME'51, and Mary (Kelly) Toomey** and their family, the new MAE complex will be named Toomey Hall.

The \$24 million expansion and renovation will greatly enhance UMR's ability to provide a premier engineering education that focuses on research, application, partnership, innovation and design.

"As many of you may know, our existing facilities are woefully inadequate," says **Ashok Midha**, chair of the mechanical and aerospace engineering department. "In fact, the ME Annex (the old petroleum building) was built more than 100 years ago – a year before the Wright brothers' first flight!"

The promise of a new facility has attracted the support of several alumni, as well as corporate partners like Boeing, Caterpillar, Deere, Ford and General Motors. An additional \$5 million in private support will be needed for UMR to bond the remaining portion of the building project.

ROLLAMO REUNION TO BE HELD DURING HOMECOMING 2005

The *Rollamo* will celebrate its 100th issue of the yearbook by gathering editors, writers, photographers, graphic designers, etc. for a reception from 10 a.m. to noon Saturday, Oct. 1, in Room 204 of the Curtis Laws Wilson Library. All former staff members are invited to attend this special reunion during Homecoming 2005.

"I hope to allow the former staff members to visit and reminisce to generate stories for inclusion in the 100th issue of the book," says **Jason McHaney**, ChE'91, *Rollamo* reunion organizer and editor of the 1991 yearbook.

Archival copies of the yearbook will be on display in the room. Alumni will have an opportunity to point out details of their own books and to see yearbooks from several decades.

"Having collected these books for the past few years, I know what kind of memories they can evoke," McHaney says.

In addition to Saturday's event, *Rollamo* staffers and their guests will meet in the Gasconade Room in the Havener Center during the Silver and Gold Roundup Barbecue Friday night. They also will have a reserved table during the Chuck Wagon Reunion Lunch.

PI KAPPA ALPHA TO CELEBRATE 100 YEARS AT ROLLA

The Alpha Kappa Chapter of Pi Kappa Alpha will celebrate its 100th anniversary with a weekend of events during Homecoming this year. The Alpha Kappa Chapter was founded in 1905 at MSM. More than 600 alumni, spouses and guests are expected to participate in the centennial celebration.

Highlights include:

- Friday, Sept. 30, 9 p.m. to midnight, Pi Kappa Alpha alumni and friends will host a hoedown following the Silver and Gold Roundup Barbecue.
- Saturday, Oct. 1, 11 a.m., an official PiKA photo will be taken in the Missouri Room in the Havener Center, followed by the Chuck Wagon Reunion Lunch.
- 4 to 6 p.m., alumni and friends will gather for the Alpha Kappa Centennial Program featuring skits, a sing-along and a recount of the chapter's history in Leach Theatre of Castleman Hall, 10th and Main streets.
- 6:15 p.m. to midnight, Grand Centennial Celebration Reception and Banquet in the St. Pat's Ballroom of the Havener Center.
- Sunday, Oct. 2, 8:30 a.m. to noon, pancake breakfast.

To register, go to:

<http://www.alumniconnections.com/olc/pub/UMR>
and click on "PIKES register here" for Homecoming.



8 SECOND SCHEDULE

FRIDAY SEPTEMBER 30

- 1-4 p.m.** **Tours of the Havener Center.** Tour the Havener Center, the 105,000-square-foot facility that houses all student services in a single building. Meet at the Information Desk in the Havener Atrium, first floor, Havener Center.
- 1-4 p.m.** **Circle the wagons of support around our Student Design Center teams.** The Solar Car, SAE Formula Car, Advanced Aero Vehicle, Concrete Canoe, Human-Powered Vehicle and Steel Bridge teams plan to display their projects, outside of Havener Center, weather permitting.
- 2-3 p.m.** **"Before Bugsy Siegel: Las Vegas as the 'Last Frontier' Town,"** a free lecture that offers a unique perspective on Las Vegas by Larry Gragg, chair of history and political science and a Curators' Teaching Professor.
- 2:30 p.m.** **Groundbreaking for Toomey Hall,** exterior of the existing Mechanical and Aerospace Engineering Building. The \$24 million expansion and renovation of the mechanical and aerospace engineering complex will feature state-of-the-art learning centers, laboratories and computer facilities.
- 3-4:45 p.m.** **Departmental Open Houses and Receptions.** (See complete list in the master schedule.)
- 4:30-6 p.m.** **Meet the Chancellor,** John F. Carney III, and his wife, Patricia, Havener Atrium, Havener Center.
- 6-9 p.m.** **SILVER & GOLD ROUNDUP BARBECUE** for alumni and friends featuring roast pig and all the fixin's, St. Pat's Ballroom, Havener Center. Put on your cowboy hat, boots, bandannas and rhinestones. Y'all come back to Rolla and join your friends for a great time of "shootin' the bull." Dinner bell rings at 6 p.m. UMR's Chamber Orchestra will perform western-style music from 7:30 to 8:30 p.m. Each ticket includes the buffet, one drink and the orchestra's performance. The Silver and Gold Saloon will be open with a cash bar. Tickets are required. (See order form for prices.)

SATURDAY OCTOBER 1

- 11 a.m.-1 p.m.** **CHUCK WAGON REUNION LUNCH** for all alumni, family and friends, St. Pat's Ballroom, Havener Center. It's time to belly up to the buffet bar for a western-style lunch with your fellow alumni. Reserved seating will be set for reunion classes of 1954 and before, 1955, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 1995, 2000 and 2005. *Rollamo* staffers also will have a reserved table during this event. **CLASS PICTURES WILL BEGIN AT 11:30 A.M.!** Classes will be called from the St. Pat's Ballroom to the Missouri and Ozark rooms for their photos. Tickets are required. (See order form for prices.)
- 1 p.m.** **Football Kickoff - MINERS VS. SOUTHWEST BAPTIST,** Allgood-Bailey Stadium. Tickets are required. (See order form for prices.)
- 6:15-9:30 p.m.** **ALUMNI ROUNDUP AWARDS BANQUET** begins with a cash bar reception at 6:15 p.m. in the Wise Atrium (first floor) of the Havener Center. Dinner begins at 7 p.m. in the Hsia/Chao Dining Lounge, first floor, Havener Center. Shake out the dust and put on your best duds for an evening honoring some of our finest. We've lassoed some of the most impressive alumni ever to graduate from MSM-UMR to receive our most prestigious MSM-UMR Alumni Association annual awards. It's worth the long haul just to hear how much our alumni have contributed to making the world a better place. The alumni association's annual meeting is held during this event. Tickets are required. (See order form for prices.)



THE SCHEDULE OF EVENTS



THURSDAY, SEPTEMBER 29

- Noon-5 p.m. UMR Board of Trustees Meetings begin (luncheon, meetings), Silver and Gold, Havener Center
- 6 p.m. Academy of Mechanical and Aerospace Engineers Induction Reception, followed by dinner at 7 p.m., Comfort Suites
- 6:30 p.m. UMR Board of Trustees Dinner, Carver-Turner, Havener Center

1-4 p.m.

2 to 3 p.m.

Circle the wagons of support around our Student Design Center teams. The Solar Car, SAE Formula Car, Advanced Aero Vehicle, Concrete Canoe, Human-Powered Vehicle and Steel Bridge teams plan to display their projects, exterior of Havener Center, weather permitting.

CAMPFIRE STORY: "Before Bugsy Siegel: Las Vegas as the 'Last Frontier' Town," a free lecture that offers a unique perspective on Las Vegas by Larry Gragg, chair of history and political science and a Curators' Teaching Professor. Prior to the opening of Benjamin Siegel's Flamingo Hotel and Casino in December 1946, the promoters of Las Vegas successfully portrayed their small community as the "Last Frontier" town. Silver and Gold room, Havener Center. (See page 28 for more details.)

FRIDAY, SEPTEMBER 30

- 7:30 a.m.- noon UMR Board of Trustees Meetings continue, Silver and Gold, Havener Center
- 8 a.m.-4:30 p.m. **HOMECOMING REGISTRATION,** Havener Atrium, first floor, Havener Center – All alumni who return to Rolla should register in the Havener Atrium.
- 8 a.m.-4:30 p.m. UMR Archives "Memories" Display, Curtis Laws Wilson Library
- 8 a.m.-3 p.m. Corporate Development Council Meetings, Carver-Turner, Havener Center. Group meetings will be held in the Mark Twain, Walnut, and Meramec rooms in the Havener Center.
- 8:30 a.m.-2:15 p.m. Academy of Mechanical and Aerospace Engineers Breakfast, followed by meeting at 9 a.m., Missouri and Ozark rooms, Havener Center
- 9 a.m.-2:30 p.m. Academy of Mechanical & Aerospace Engineers Spouse Program, Miner Lounge, Havener Center
- 9:30 a.m.-11:30 a.m. School of Mines and Metallurgy Alumni Academy Meeting, 124 McNutt Hall
- 1-4 p.m. Alumni/Student Golf Tournament (Call Student Union Board, (573) 341-4220 or email sub@umr.edu to sign up.)
- 1-4 p.m. **TOURS OF THE HAVENER CENTER.** Tour the Havener Center, the 105,000-square-foot facility that houses all student services in a single building. Meet at the Information Desk in the Havener Atrium, first floor, Havener Center.

2:30-3:30 p.m.

2:30-3:30 p.m.

2:30 p.m.

3:30-6 p.m.

3-4:45 p.m.

3-4:45 p.m.

Section Leaders Session for section officers, presenter: Stephanie Martensen, UMR Alumni and Constituent Relations Office, Shamrock room, Havener Center.

Computer Science research group presentations, 327 Computer Science Bldg.

Groundbreaking for Toomey Hall, exterior of the existing Mechanical and Aerospace Engineering Complex. The \$24 million expansion and renovation of the mechanical and aerospace engineering complex will feature state-of-the-art learning centers, laboratories and computer facilities.

Afternoon Social for mechanical and aerospace engineering alumni and friends, home of department chair Ashok Midha, 808 Lariat Lane.

Molten metal casting demonstration, McNutt Hall Foundry

Departmental Open Houses and Receptions

- Biological Sciences, lawn in front of Schrenk Hall.
- Business Administration, 101 Fulton Hall
- Ceramic Engineering (Materials Science and Engineering), ice cream social, concrete pad in front of McNutt Hall
- Chemical and Biological Engineering Alumni Reception with hamburgers, backyard of the Chancellor's Residence



STUDENT-SPONSORED HOMECOMING ACTIVITIES:

- Civil Engineering: 17th Annual Alumni Reception, Kummer Atrium, Butler-Carlton Civil Engineering Bldg. (Sponsored by the Academy of Civil Engineers and hosted by the officers of the student chapters of ACI, AGC, ASCE, Chi Epsilon, EERI, IDC, ITE, WEF, and the Alumni Committee of the Civil Engineering Advisory Council).
- Computer Science, tour of the research labs starting at 3:30 p.m., 327 Computer Science Bldg.
- Economics and Finance, 101 Fulton Hall
- Electrical and Computer Engineering, Emerson Hall, first floor lobby
- Engineering Management, Engineering Management Bldg. first floor foyer
- English and Technical Communication, 225 Humanities-Social Sciences
- Geological Engineering (Geological Sciences and Engineering), concrete pad in front of McNutt Hall
- Geological Sciences and Engineering (Geological Engineering, Geology and Geophysics, Petroleum Engineering), concrete pad in front of McNutt Hall
- Geology and Geophysics (Geological Sciences and Engineering), concrete pad in front of McNutt Hall
- Information Science and Technology, 101 Fulton Hall
- Management Systems, 101 Fulton Hall
- Materials Science and Engineering, ice cream social, concrete pad in front of McNutt Hall
- Mathematics and Statistics, 202 Rolla Bldg.
- Metallurgical Engineering (Materials Science and Engineering), ice cream social, concrete pad in front of McNutt Hall
- Mining Engineering (Mining and Nuclear Engineering), concrete pad in front of McNutt Hall
- Mining and Nuclear Engineering, concrete pad in front of McNutt Hall
- Nuclear Engineering (Mining and Nuclear Engineering), concrete pad in front of McNutt Hall
- Petroleum Engineering (Geological Sciences and Engineering), McNutt Hall Commons Area
- Philosophy, Humanities-Social Sciences
- Psychology, G-7 Humanities-Social Sciences
- School of Materials, Energy and Earth Resources, concrete pad in front of McNutt Hall

- 3:45-4:45 p.m. Alumni Assisting with Admissions. All Admissions Ambassadors and alumni who would like to help UMR with recruiting efforts are invited, Lynn Stichnote and Cathy Tipton from UMR admissions and student financial assistance, Shamrock room, Havener Center
- 4-5 p.m. Miner Music Section Meeting, 138 Castleman Hall (Choir Room)

- **Homecoming BBQ**, Hockey Puck, 11:30 a.m.-1:30 p.m. Monday, Sept. 26
- **Games**, Noon Monday-Thursday, Hockey Puck
- **Homecoming Banners on display** starting Wednesday, Sept. 28
- **Homecoming Lip Sync Contest**, Tuesday, Sept. 27, contact sub@umr.edu, 341-4220
- **House Decorations on display around campus**, 4 p.m. Friday, Sept. 30
- **Royalty Introductions**, 12:30 p.m. Saturday, Oct. 1, Allgood-Bailey Stadium, Homecoming King and Queen crowned at halftime!

4:30-6 p.m.

Meet our new chancellor, John F. Carney III, and his wife, Patricia, Havener Atrium, Havener Center.

6-9 p.m.

SILVER & GOLD ROUNDUP BARBECUE for alumni and friends featuring roast pig and all the fixin's, St. Pat's Ballroom, Havener Center. Put on your cowboy hats, boots, bandannas and rhinestones. Y'all come back to Rolla and join your friends for a great time of "shootin' the bull." Dinner bell rings at 6 p.m. UMR's Chamber Orchestra will perform western-style music from 7:30 to 8:30 p.m. Each ticket includes the buffet, one drink and the orchestra's performance. The Silver and Gold Saloon will be open with a cash bar.

Tickets are \$22.50 each.*

***Golden Alumni, who graduated in 1955 or before, may purchase tickets for half price. (Limit 2 per Golden alum at this reduced price).**

8 p.m.

Physics Alumni Reception, home of Ed and Barbara Hale, 821 Oak Knoll Road

SATURDAY, OCTOBER 1

7:30-11 a.m.

Alumni Association Board of Directors Meeting, Carver-Turner, Havener Center

8-10:30 a.m.

HOMECOMING REGISTRATION continues in the Havener Atrium, first floor, Havener Center
UMR Archives "Memories" Display, Curtis Laws Wilson Library

8-10:30 a.m.

9 a.m.-11 a.m. Teacher Education Alumni and Friends Brunch (call Evalee Lasater at (573) 341-4692 for reservations), Gasconade and Meramec rooms, Havener Center

10 a.m.-noon *Rollamo* 100th Anniversary Celebration, Room 204 Curtis Laws Wilson Library. Reminisce about your time spent working on the yearbook, and peruse archive copies of the yearbook.

11 a.m.-1 p.m. UMR Athletic Hall of Fame open to visitors, Gale Bullman Multi-Purpose Building

11 a.m.-1 p.m. Tours of UMR's first Solar House, the little blue house across from Allgood-Bailey Stadium. UMR's latest solar house will be in Washington, D.C., during Homecoming, but our original model, which operates on solar power, will be open for tours.

11 a.m. Pi Kappa Alpha Group Photo, Missouri-Ozark Rooms, Havener Center

11 a.m.-1 p.m. CHUCK WAGON REUNION LUNCH for all alumni, family and friends, St. Pat's Ballroom, Havener Center. It's time to belly up to the buffet bar for a western-style lunch with your fellow alumni. Reserved seating will be set for reunion classes of 1954 and before, 1955, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 1995, 2000 and 2005. *Rollamo* staffers also will have a reserved table during this event. CLASS PICTURES WILL BEGIN AT 11:30 A.M.! Classes will be called from the St. Pat's Ballroom to the Missouri and Ozark Rooms for their photos.

Tickets are \$11 each for most adults.*

Tickets for children ages 7 to 12 are \$5.50 each.

Tickets FREE for children under age 7.

***Free for Golden Alumni, who graduated in 1955 or before.**

1 p.m. Football Kickoff - MINERS VS. SOUTHWEST BAPTIST,

Allgood-Bailey Stadium.

Tickets are \$5 each.*

***Tickets FREE for children under age 7.**

***Golden Alumni, who graduated in 1955 or before, may purchase tickets for half price. (Limit 2 per Golden alum at this reduced price).**

4-6 p.m. Pi Kappa Alpha Centennial Program, Leach Theatre, Castleman Hall

4:30 p.m. 25th Anniversary Celebration, Class of 1980, Havener Atrium, first floor, Havener Center

5 p.m.

Mass at St. Patrick's Catholic Church, followed by a Wine and Cheese Social at the Catholic Newman Center

5-5:45 p.m.

College of Arts & Sciences Alumni Reception, Silver and Gold room, Havener Center

6:15-9:30 p.m.

ALUMNI ROUNDUP AWARDS BANQUET begins with a cash bar reception at 6:15 p.m. in the Havener Atrium, first floor, of the Havener Center. Dinner begins at 7 p.m. in the Hsia/Chao Dining Lounge, first floor, Havener Center. Shake out the dust and put on your best duds for an evening honoring some of our finest. We've lassoed some of the most impressive alumni ever to graduate from MSM-UMR to receive our most prestigious MSM-UMR Alumni Association annual awards. It's worth the long haul just to hear how much our alumni have contributed to making the world a better place. The Alumni Association's Annual Meeting is held during this event.

Tickets are \$26 each.*

***Golden Alumni, who graduated in 1955 or before, may purchase tickets for half price. (Limit 2 per Golden alum at this reduced price).**

6:15 p.m.-midnight

Pi Kappa Alpha Grand Centennial Celebration, St. Pat's Ballroom, Havener Center. Reception begins at 6:15 p.m., followed by Centennial Banquet honoring 100 years of the UMR chapter at 7:30 p.m. Dance and social begin at 9 p.m.

\$28 per person.

7-11 p.m.

Epsilon Psi Chapter of Alpha Phi Alpha Fraternity, Black & Gold "Miss Epsilon Psi" Ball and Step Show, Elks Lodge, U.S. Highway 63 South. Contact Aristeve Townsend at abtpp9@umr.edu or call (573) 341-8806 or Alvin Anderson at ada343@umr.edu or call (573) 341-8789 for reservations and information.

SUNDAY, OCTOBER 2

8-9 a.m.

Order of the Golden Shillelagh Executive Committee Meeting, 210 McNutt

1 p.m.

UMR Advisory Committee for African American Recruitment and Retention Meeting, Havener Center

HOME COMING REGISTRATION FORM

REGISTER ONLINE AT <http://www.alumniconnections.com/olc/pub/UMR/> or complete the form below.

SECTION #1: Personal Information (Please indicate your guests names so the appropriate name tags can be created in advance)

*Name _____	Guest name _____
*Home Address _____	Guest name _____
*City _____ *State _____ *Postal (ZIP) Code _____	Guest name _____
*Country _____ (Only required for non-United States/Canada residents)	Guest name _____
*Phone _____ (Phone # format 123-456-7890 for U.S. and Canada)	Guest name _____
*Email _____	Guest name _____

SECTION #2: Affiliation with MSM-UMR

Pi Kappa Alpha Alumnus celebrating 100th anniversary sign up at:

<http://www.alumniconnections.com/olc/pub/UMR/> and click on "PIKES REGISTER here for Homecoming"

Alumnus/Alumna Friend Parent Student Staff/Faculty

SECTION #3: TICKET ORDER

Please select the NUMBER of tickets you would like for each of the following events:

Friday, Sept. 30: 6-9 p.m. Silver & Gold Roundup Barbecue, includes roast pig, fixin's, dessert and one free drink.

UMR Chamber Orchestra to perform at 8 p.m. Cash bar will be available. St. Pat's Ballroom, Havener Center

___ \$22.50 per person (If you graduated from MSM in 1955 or before, please see the option below)

___ GOLDEN Alumni (those who graduated 1955 and before) select this half-price option \$11.25. (Limit two per Golden alum.)

Saturday, Oct. 1: 11 a.m.-1 p.m. Chuck Wagon Reunion Lunch. St. Pat's Ballroom, Havener Center. Class photos begin at 11:30 a.m.

___ \$11 per person (Children and Golden Alumni receive a reduced rate. Please see options below.)

___ \$ 5.50 for children ages 7 to 12

___ \$ 5.50 for Golden Alumni (those who graduated in 1955 and before. Limit two per Golden alum.)

___ FREE – for children under age 7

Saturday, Oct. 1: 1 p.m. Football game: Miners vs. Southwest Baptist

___ \$5 per person (Children under age 7 and Golden Alumni receive a free entrance. Please see options below.)

___ FREE – for Golden Alumni (those who graduated in 1955 and before.)

___ FREE – for children under age 7

Saturday, Oct. 1: Alumni Roundup Awards Banquet. Reception begins at 6:15 p.m.; dinner at 7 p.m.

___ \$26 per person (If you graduated from MSM in 1955 or before, please see option below.)

___ \$13 per person (for GOLDEN Alumni only – limit two per Golden alum.)

SECTION #5:

a. Name of the professor(s) you would most like to see during Homecoming: _____

b. I have special dietary needs. Please arrange for my meals to be: _____ (none if left blank)

c. I will need the following special accommodations: _____ (none if left blank)

SECTION #6: TOTAL AMOUNT DUE: _____ (charge this amount due to my credit card)

MasterCard Visa American Express Discover

Credit Card Number: _____ Credit Card Expiration Date: Month: _____ Year _____

(Please enter credit card number with hyphens or spaces; do NOT enter as one long number.)

Name as it appears on the credit card: _____



For more information:

MSM-UMR Alumni Association

Castleman Hall, UMR

1870 Miner Circle

Rolla, MO 65409-0650

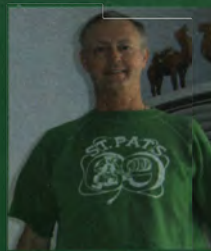
email: alumni@umr.edu

Telephone: 573-341-4145

Fax: 573-341-4706



2005 St Pat's SECTION EVENTS



Happy St. Pat's from China. As you can see from the photo, the 'wearing of the green' has not been forgotten just because I am on a different continent. My matched set of 1969 St. Pat's sweatshirts has many good memories.
Randy Green, NDD '70

Air Capital

March 19 – The St. Pat's tradition continued for members of the Air Capital Section. Even though the crowd was smaller than that of past years, the group had a fantastic time celebrating the Rolla tradition.

Special thanks go to Sean Daly for organizing this event, and to Tony and Laura McLaughlin for opening their home for the party.

Those attending included Sean Daly '96; Rob Davis '01; John Goethe '92, '94; Eric Hensley '97; Tony '98 and Laura '99 McLaughlin with Annabelle, and Jeff Rottler '04.



Carolinas Piedmont alumni celebrate the day of green at the Elks Lodge in Salisbury, N.C.

Carolinas Piedmont

March 5 – Carolinas Piedmont alumni and friends celebrated St. Pat's at the Elks Lodge in Salisbury, N.C. Attendees enjoyed a buffet of tantalizing appetizers and their choice of St. Pat's beverages. Gene Langston entertained the crowd by singing old songs from his days at MSM.

Thanks go to Langston for organizing and hosting this event.

Those attending included Brent Blizewski '72; Corey Chapman '04 with Amanda Benjamin; Richard '57, '62 and Janice Heagler; Gene Langston '50, '52; Lennie Langston; Patrick Martin '81, '84; John '81 and Yvonne '81 Renz, and Brian Tenholder '97.

Central Ozarks

March 19 – Year after year, alumni, their families and friends all head to Rolla for the annual St. Pat's celebration. The tradition is not complete, however, without making a stop at the alumni office before the parade. Guests enjoyed tasty treats, a stop at the portable bar and the company of the ladies of the Rolla alumni office. The advantages to joining the hometown celebration are nearly endless!

Those attending included Ed '78 and Sue Albee; Bill '67, '70 and Jamie Anderson; Kent '76 and Lindsay '76 Bagnall with Lydia; James '94 and Amy Barnes; Jerry Berry '49 with Mildred Leaver; Mary Bird; Tobi Bloom; Meg '83, '89 and Kevin Brady; Joel '86, '94 and Ann '84 Brand; Glenn '83 and Mindy '84 Brand; Connie Bruning; Ryan '94 and Carolyn Buschjost; Brian Call '97, '99 with Kathy; Matt Christian; Matt '66 and Kathy Coco; Sue Crews '80; Doug and Kassie Davis; Jim Dillon; Kathy Dillon '73; Randy Dudenhoffer '74; Dick Elgin '74, '76; Cecilia Elmore '86; Joel Faucett '04; Barb Ford; Dirk '93 and Rebecca '90 Frisbee with Rachael, Katherine and Alexander; Rusty Goldammer '78, '79; Jim Guest '62, '71; Greg Harris; Tim '93 and Nancy '90 Harster; Stuart and Margo Haynes; Larry '73 and Polly '73 Hendren; Carla Hilton; Paul '95, '97, '02 and Julie '99 Hirtz; Al '85 and Sue '85 Hoppe; Wayne '82 and Jaci Huebner; George Karr '92; Dave '82 and Kathy '82 Kusmec; Mike Lloyd '71; L.G. Loos '77; Keith Lueck '84; Jennifer Lynch '74; Bob '60 and Dorothy Marshall; Stephanie Martensen; Mac McGinnis '78; Ashok and Chris Midha; Ted '68 and Pat

Murray; Gerry and Judy Murray; Don Myers '61, '64; Gene Pahlmann '68; James Parsons '93; Matt and Judy Pomirko; Henry '60 and Ida Ponzer; Scott Preston '97; Nick Quartier '80; Chris '83, '85 and Darlene '84 Ramsay; Chuck Remington '49; Bob Reynolds '70; Kevin Schwalje '96; Mark Simecek '94; Jim Smith; Dale '97 and Patricia '94 Spence; LeAnn Splitter '02; Lynn Stichnote; Lucy Sutcliffe with Grace; Pete Telthorst '79; James Tharp '02; George Timson '86; Mike Tindill '77; Armin Tucker '40; Norman Tucker '40; Tom Van Doren '62; Marianne Ward; Carlton '02 and Brandi Washburn; Keith Wedge '70; Jim Whetsel '81; Dottie Wolf, and Paul '96 and Christina Woods with Sarah and Rachel.

Chicago

March 20 – The Chicago Section celebrated old friendships and toasted new acquaintances at its annual St. Pat's event, held earlier in the day at a new location this year, which resulted in several new faces in attendance.

At the meeting, outgoing section president Fred Niemeier spoke about the great achievements the section had made over the last 12 months and encouraged everyone to make their "good" section into a "great" one. Niemeier announced that Bob Saxer will be rolling off the executive board this March, and thanked him for his tireless support and wisdom.

Officer elections were held, and the section is happy to announce a terrific roster of new leaders: president-Parris Ng, vice president-Alexandria Merritt and treasurer/secretary-



The annual Chicago Section St. Pat's party marks the beginning of a new slate of officers.

T.J. Scheibelhofer. If any Chicagoland alumni are interested in helping out with a committee (scholarship, communications or activities), please contact Ng at parris.ng@siemens.com or (847) 493-7782.

The last item for business was the white elephant raffle. The event raised more than \$150, which will be used for the annual freshman send-off picnic. Thank you to all who participated.

Thanks go to Ng and Saxer for organizing this event and special thanks go out to Niemeier for a job well done as the Chicago Section president.

Those attending included Bill Bishop '71; Dennis '79 and Sue Blake; Dick '67 and Margaret Burkhalter; Pat '75 and Kathy Gower; Larry Jackson '77; Scott Jackson '92; Tim Jedlicka '85; Mike Marx '77; Alexandria Merritt '03; Parris Ng '00 with Jenny Che; Fred '95 and Jessica '97 Niemeier; Matt '98 and Gretta Rowold; Bob '61 and Linda Saxer; Steve Schade '74, and Chris '95 and T.J. '95 Scheibelhofer.



The St. Pat's tradition continues in Texas.

Dallas/Fort Worth

March 12 – Members of the Dallas/Fort Worth Section came together to toast the annual day of green. Thanks to the generosity of Glenn and Mindy Brand, who opened their home, alumni and their guests enjoyed a day of traditional celebration.

The Brands were only warming up on their celebrating techniques, as they left for Rolla only a few days later for the "big" celebration on Pine Street.

Those attending included Glenn '83 and Mindy '84 Brand with Romana and Tegan; Charles Conrad '71; Greg Copeland '77, and Chuck '80 and Lisa Duello with Carly, Sara, and Emily.



New Mexico alumni look forward to this event each year, especially Roland "Friday" Freidank's annual St. Pat's ensemble.

Enchanted New Mexico

March 13 – Alumni and friends from the New Mexico area enjoyed their second annual St. Pat's celebration at the Uptown Sports Bar & Grill. Veteran member Roland "Friday" Freidank was decked out in his St. Pat's wear, including his slip stick, his more than 60-year-old slide rule on his hip with a leather holster. The New Mexico Engineering Foundation sold raffle tickets to benefit New Mexican engineering students and several attendees won prizes this year. Recent UMR graduates Jonathan Van Houten and Alex Berry won a neon Budweiser guitar sign for their new Albuquerque bachelor pad. Section president Todd Rastorfer took home a \$50 gift certificate for dinner at a local restaurant and green fees for two at a top-ranked golf course. Unfortunately no one won the grand prize, a 10-day cruise. Maybe next year!

Thanks go to Todd Rastorfer for coordinating and hosting this event for a second year.

Those attending included Alex Berry '03; Fred Dickey '64; Tom Farrell '58; Nolan Finch '02; Roland Freidank '38 with Roger, Cindy and Megan Freidank; Leroy Halterman '68; Jesse '02 and Lily Lai; Ed '70 and Kathleen '70 Landreth; Todd Rastorfer '98; Patrick '00 and Anne Schroeder; Jim '84 and Anita Studer with Matthew Studer; Jonathan Van Houten '03; Vince Wahler '65, and Ben Weidle '42.

Falls of the Ohio

March 17 – Not only did members of the Falls of the Ohio Section come together to celebrate the St. Pat's tradition, they also marked the one-year anniversary of the signing

of their petition to become a recognized section of the MSM-UMR Alumni Association.

Guests met at the Hunting Creek Country Club to toast the day of green and enjoy hors d'oeuvres and beverages. While St. Pat's was the cause for the celebration, there were probably several who had the upcoming Kentucky Derby on their minds!

Thanks go to Dirk Gowin for planning and hosting the event.

Those attending included James Abbott '75; Bob DeSpain '61; Dirk Gowin '91; Gary Hamilton '71; Jennifer Hellmueller '01; Roger Hinckley '60; Norm Meyer '65; Bob Morfeld '69; Bob O'Brien '54; Charles Parks '72; Tom Phillips '62, and Bart Potts '97.



Falls of the Ohio Section members not only celebrate the annual St. Pat's festivities, but also the anniversary of their first gathering as an official section!

Houston

March 12 – St. Arnold's Brewery proved to be the ideal place for the Houston Section St. Pat's party, as alumni and their guests enjoyed a barbecue buffet and all-you-can drink St. Arnold's beer. Even though the temperature inside the brewery was not climate controlled, there were no complaints from the party-goers.

Annual elections were held with the results as follows: president-Larry Ragsdale, vice president-Paul Balaster and secretary-Elizabeth Ragsdale. The section was also able to raise more than \$500 for the Houston Endowed Scholarship Fund, thanks to the generosity of Ted and Naiyana Vora, who donated four gift certificates to their restaurant, The Lemongrass Café, as part of a silent auction.

Many thanks go Nicole Talbot for organizing and hosting this event.

Those attending included Alycia Ahrens '01; Paul Balaster '02; Tom Barnes '00; Lori '88 and Tony Crocker; Jim '87 and Page Elgin; Larry '64, '66 and Carolyn Gilmartin; Adil Godiwalla '66;

2005 St Pat's SECTION EVENTS



Patrick and Martha McHaney are quickly growing into the St. Pat's sweatshirts their parents, Jason, ChE'91, and Kathy McHaney purchased when they were born.



Members of the Houston Section share tales of their days in Rolla.

Kevin '80 and Dorothy Hagan; Phil '70 and Arni Ilavia; Dave '71 and Charlene Jones; Robert '00 and Erin '01 Koch; John '88 and Betsy LeaRussa; John Meyers '96, '00 with Ayca Sivrikoz; Russ Pfeifle '74; Larry Ragsdale '98; Matthew '97 and Gretchen '99 Riggs; Ashley Smith '00; Nicole Talbot '77; Rob '96 and Laurie Tyre; Herman '60 and Carol Vacca with Jonathan Vacca and Suzanne Adams, and Ted '77 and Naiyana Vora.

Indianapolis

March 15 – Members of the Indianapolis Section met at Claddagh Irish Pub to celebrate the long-standing St. Pat's tradition at UMR. Attendees ordered their favorite Irish dish from the menu and sampled their beverages of choice.

Thanks go to Emily Wehmeyer for organizing and hosting this event.

Those attending included Tim Alfermann '01; Tara Algreen '98; Don Bogue '55; John '85 and Annette Brannon; Tim Brown '02; Melissa Carr '99; Roger Jones '71; Jim Kuenz '70; Sarah Massie '03; Don Pfanstiel '58; Nathan Rues '02; Tom Rueschhoff '82; Joshua '00 and Dawn '99 Stufft; Emily Wehmeyer '97; Ike Williams '64, and Richard Williams '70.

Kansas City

March 24 – Vice Chancellor Debra Robinson joined members of the Kansas City Section for their annual St. Pat's festivities at Garozzo's Ristorante in Lee's Summit, Mo. Following a buffet of favorite Italian dishes, Robinson shared a campus update with the group.

Robinson's involvement with the student affairs side of campus life allowed her to give a detailed account of the newly completed Havener Center and the highly anticipated opening of the new residential college.

Special thanks go to Kenneth Bandelier for coordinating and hosting this event.

Those attending included Kenneth Bandelier '97; Lucien Bolon Jr. '59; Alan Carson '72; Alan '75 and Christina '75 Erickson; Jeremy Estep '98; Ron Estep '71; Jim '74 and Ann Foil; Jeff Greer '99; Tom '83 and Debbie Hoffman; Nicky Parson '98; Vice Chancellor Debra Robinson; Jim VanAcker '98, and Mark Young '75.



Kansas City Section members visit during their St. Pat's celebration.

Las Vegas

March 16 – The city of Las Vegas welcomed more than 100,000 people from all around the world to the 2005 ConExpo-Con/Agg construction and construction materials trade show during St. Pat's week. What a great way to celebrate the Rolla tradition – in the heart of Las Vegas.

Thanks to the efforts of Roger Keller and Chris Upp, the Las Vegas Section invited alumni who attended the conference to join them for their annual St. Pat's party. Nestled in the Las Vegas Hilton, alumni met with several UMR staff members, along with four current students who attended the conference.

Jerry Tien and Harold Wagner spoke briefly about changes on campus and the overall campus plan for the future.

Those attending included Kyle Dieckmann; Jim Fitzpatrick '72; Bob Giovando '79; Tim Hagan '83; Dan '65 and Kay Henry; Hemi '67

and Asha Kalia; Roger Keller '75; Justin Likes; Stephanie Martensen; Linda '80 and Ward Michaelson; Tom Netzer '62; Kurt '85 and Joan Oakes; Darrell Pepper '68; Dane Seiler; Jerry Tien '88; Rich Trynoski; Chris Upp '96; Harold Wagner '76; Brent Ward '94, and Les '76 and Susan '86 Winfield.

Maryland/Virginia/DC

March 26 – At the recent MD/VA/DC Section St. Pat's party, a festive networking atmosphere developed just outside the Beltway. Hosted by Brad Fulton, 41 alumni, family and friends enjoyed a pot-luck afternoon break, lively conversation and a short business meeting.

The group missed the company of Chancellor Gary Thomas on his last pass through the nation's Capitol, but they were pleased to hear Jon Hagler from university advancement talk about recent and upcoming enhancements of the campus and student body. Of particular interest was the expansion of the Mechanical and Aerospace Engineering Complex, made possible by our own section members, John and Mary Toomey.

Section President Joe Schumer made requests for committee members in four standing committees: scholarship, social, communications and special events. Vice President Chris Mayberry discussed the upcoming UMR Solar House event in October, and outlined developing plans to assist the students and faculty when they compete on the National Mall.

The section also bid farewell to long-time member, officer and friend Doug Hughes and his wife, Sandy. They are leaving the nation's Capitol for the Motor City Section in Michigan.

Those attending included Vicki Andraea '70; Steve '98 and Tracy '98, '01 Beattie; Mike Becvar '94, '96; Randy Cole '87; David '96 and Jodie Dajc with Emilie Dajc and Shirley LaFreniere; Brad Fulton '88; Jon Hagler with Jennifer Frucle; Ben Hankins '81; Ed '71 and Cathy '72 Henson; Jessica Henson '03; John '64 and Ruth Ann Hoel; Inhi Hong '67; Doug '63 and Sandy Hughes; Christopher Mayberry '98; Charles McGrady '67; Bob '90 and Kathy '90 Phillips with Blake and Ethan; Bob '73 and Janet Scanlon; Joe '92 and Amy Schumer with Nate; Larry '75 and Liz '76 Sinn; Joe Stahl '69, '72, and Frank Woodbury '66.

Northern Alabama

March 10 – The Northern Alabama Section put a new spin on the St. Pat's tradition, combining its party with a Huntsville Havoc hockey game.

While the spirits of all attendees remained high, the score of the game was not quite high enough. The Huntsville Havoc were defeated by the Fayetteville Fire Antz, 5-4.

Special thanks go to Laura Thill for organizing this event.

Those attending included Rob Alferink '98; Larry '58 and Patricia Atha; Bob '66 and Lynda Bakula; Terry Buhler '98; Dick Campbell '62; Jason '00 and Regina '00 Gastler; Roger '62 and Sharon Hoffman; Jim '75 and Dorothy Keebler; Bob Miller '04; Jeff Obermark '91; Rob '98 and Cathy Tayloe with Daniel and Nicholas, and Dan '03 and Laura '00 Thill.

Oklahoma

March 19 – Members of the Oklahoma Section held their annual St. Pat's party at Paddy's Irish Restaurant and Pub. What better way to celebrate the day than with a wide selection of food, beverages and cheer.

Special thanks go to Preston Carney for organizing and hosting this event.

Those attending included William Bolte '01; Preston Carney '02, '03; Bob Fleischman '76, '78; Caleb Gebhardt; Matt Gebhardt '02, '04; Dan Koenigsfeld '02, '03; Frank Marcott '82; Mark Proe '02; Carl '65 and Betty Reichert, and Steve '98 and Arnie '98 Squibb.

Peoria

March 16 – Section President Brian Call was eager to have a St. Pat's party, but made sure it did not interfere with his annual pilgrimage to Rolla for the "big party." Thanks to his efforts the annual event was a success at Kelleher's.

Complete with great Irish food and a choice of beverages, the event proved to be a good start for the day of green.

Those attending included Dave '99 and Jill '99 Akers; Art '72 and Linda Bell; Steve '77 and Janet Burr; Brian Call '97; Rick '70 and Linda Campen with Ryan Campen and Chelsea Lechner; Jason '96 and Camry Carter; Jim '75 and Lanette Forck; Joanne Gravino; Alex Kott '88; Jeff Morris '01 with Carrie LaFollett; Will Strasser '00, and Steve '81 and Ann Trower.



Portland Section members Art and Denise Schweizer and Bill and Lu Walker join the area's first-ever St. Pat's party in Lake Oswego.

Portland

March 19 – As the Portland Section gears up to celebrate its first anniversary as a chartered section of the MSM-UMR Alumni Association, Section President Bruce Miller made sure the first year included a St. Pat's party.

Alumni and their guests joined together at Manzana Rotisserie Grill in Lake Oswego to pay homage to the Rolla tradition. Complete with green balloons and a fabulous menu, the day proved to be most enjoyable.

Many thanks go to Miller who coordinated and hosted this event with his wife, Geri. The Millers also celebrated their 50th wedding anniversary in conjunction with St. Pat's.

Those attending included Richard Bullock '51 with Jon; Les Grouppp '73; David '79 and Giuseppa Heineck; Bruce '50 and Geri Miller; Art '70 and Denise Schweizer, and Bill '58 and Lou Walker.



Rocky Mountain Section members come out for their annual St. Pat's festivities at White Fence Farm.

Rocky Mountain

March 11 – The Rocky Mountain Section kept up its annual St. Pat's tradition with a celebration at White Fence Farm, a favorite of the group.

Section members enjoyed their annual feast and planned events for the rest of the year. The section scholarship recipient has been selected, and now it's time to see if that student decides to attend UMR and represent the Colorado contingent!

Thanks go to Clancy Ellebracht for organizing and hosting this annual event.

Those attending included Hugh '53 and Ann Blevins; Dave Bufalo '66 with Cynthia Powers; George '75 and Elaine Carlstrom; Katie Compiseno '01; Dave Debner '68; Thomas '71 and Pamela Douth; Clarence '64 and Sharron Ellebracht; Rick Goldammer '99 with Rebecca Alt '99; John Henry '66; Alisa Houpt '88; Rick '74 and Maggie '73 Jones; Jerry '72 and Carol Ann Kiel; Nicki Lane '97; Adam Lewis '04; James Lundy '67; Timothy '76 and Cathy O'Neill; Brian '98 and Katie Schrameyer; Marshall '76 and Barbara Shackelford; Michael '73 and Brandy Steffens, and Roger '72 and Lynn Taylor.



Members of the St. Louis Section meet at Imo's after the annual St. Louis downtown St. Pat's parade.

St. Louis

March 12 – Thanks to the efforts of Randy Dreiling, St. Louis Section vice president, the St. Pat's tradition in St. Louis was revitalized. Members of the section met at Imo's just before the start of the big downtown parade, and again after the festivities were over.

Upcoming St. Louis Section events include the annual golf tournament, a Grizzlies baseball game in conjunction with the freshman send-off

(Continued on page 40)

2005 St Pat's SECTION EVENTS



Southern California Section members celebrate St. Pat's like no other section ... with the waves crashing on the beach!

picnic and a day at Fairmount Park. The section welcomes all alumni and their guests.

Those attending included Jennifer Delancey '98 with Kevin Howard; Randy Dreiling '81; L.G. Loos '77; Milton Murry '64 with Sharon Panian, and Marc '92 and Kelley '91 Thomas with Matthew, Benjamin and Catherine.

Southern California

March 5 – Hermosa Beach provided a perfect background for the Southern California Section St. Pat's party. Alumni spent the day sipping their favorite beverage and watching the waves hit the shore.

Members of the section saw Mike McGath's "Everybody Loves a Miner" shirt. The next section meeting will feature major league baseball.

Thanks go to Mandy Wedertz for coordinating and hosting the event.

Those attending included Dennis Cajili '85; Hugh '72 and Linda Cole; Hakan Hakman '94; Rich Harwin '80; Molly '99 and James Kerr; Omar Khelifi '04; Rich '64 and Joyce Martin; Mike McGath '70; Andrea Murphy '94; Brian Ritschel '95; Jerry '71 and Georgia Sewell with George Sewell; Ying Song '03; Patti '77 and Larry Stewart, and Mandy Wedertz '99 with Rob Posgai.

Springfield

March 19 – Alumni from the Springfield Section participated in the 24th annual St. Pat's parade in downtown Springfield, Mo. Family and friends enjoyed a beautiful day while riding in the back of Earl Burk's 1941 "cab over engine" dump truck. Sporting their green, the participants passed out candy to parade-goers.

Many thanks go to Kem Reed '84 for coordinating this annual event.

Those attending included Earl '70 and Karen Burk with Bailey and Trevor; Randall Herion '00; Brad Kauble '83 and Mark Rollins '94 with Taylor.



Springfield alumni continue their own tradition of riding in the back of Earl Burk's 1941 "cab-over-engine" dump truck in the St. Pat's parade.



Members of the Air Capital Section gather for their annual hockey outing at the Kansas Coliseum.

AIR CAPITAL

Hockey still alive in Wichita

Feb. 5 – Air Capital alumni met for their annual Wichita Thunder hockey game at the Kansas Coliseum. The Thunder battled the Colorado Eagles for a 4-3 overtime win.

Thunder player Joe Blaznek scored the first two goals for the team in the first period, with the third goal by Paul Esdale coming at the end of the third period to tie up the game. Chad Mazurak scored in overtime to bring home the win for the Thunder.

Special thanks go to Sean Daly for organizing and hosting this annual event. Daly is also credited for starting an ice cream trend when he arrived back at his seat with a double scoop of mint chocolate chip to finish off the game.

Those attending included Brent Cookson '04; Sean Daly '96; Rob Davis '01; John Goethe '92, '94; Eric Hensley '97; Jennifer Marshall '96; Stephanie Martensen with Caleb, and Jeff Rottler '04.

ARK-LA-TEX

Mudbugs pull out a win for Ark-La-Tex alumni

Jan. 29 – Members of the Ark-La-Tex Section gathered at the CenturyTel Center to cheer on the Bossier-Shreveport Mudbugs



earlier this year. The Mudbugs were victorious in their battle against the Rio Grande Valley Killer Bees 1-0, after Scott Sheppard scored in a shootout during overtime.

Many thanks to Scotty Gerbes for organizing and hosting this event.

Those attending included Connie '02 and Lincoln Bauers; Phil '48 and Barbara Browning; Helen Bruening; Elmond Claridge '39; John Cochran '03; Kenny '83 and Beth Cochran; Scotty '01 and Theresa Gerbes; Nathaniel '03 and Melissa Huckabay; John Livingston '39; Loretta Moscarì; Louise Patton; Jerry '82 and Tammy Poland, and Ann '79 and Dennis Whitty.

CENTRAL OZARKS

Alumni celebrate new year in Havener Center

Jan. 13 – The Central Ozarks Section officers have revitalized their efforts to keep the hometown alumni coming together more frequently. The holiday dinner at the new Havener Center proved to be a great avenue to bring alumni from all around the area back for more reasons than St. Pat's.

The evening began with alumni and their guests navigating the beautifully decorated Havener Center. Following dinner, Chancellor Gary Thomas gave a campus update to the group, bringing to their attention all the wonderful changes occurring on campus. A lively question-and-answer period followed. Ryan Buschjost, section president, briefed the attendees on plans for future section events.

Special thanks go to Buschjost for hosting this event.

Those attending included Bill '67, '70 and Jamie Anderson; Kent '76 and Lindsay '76 Bagnall; Chester Baker '55; Jennifer Bayless '89; Jerry '59, '62 and Shirley Bayless; Linda Bramel '89; Ryan '94 and Carolyn Buschjost; Karla Callahan '99; John '77 and Wendy '75 Carter; James '51 and Erma Cooper; Robert '72 and Vivian Doerr; Andrew Draker '04; Richard Elgin '74, '76 with Becky Myers;

Thomas '94 and April '94 Evers; Linda '92 and V.E. Falkenhain; James Finazzo '72; Mrs. Vernon Gevecker '31; H. Neal '61 and Lynn Grannemann; Greg and Cindy Harris; Gary '73, '81 and Peggy Henderson; Audrey '51 and Gerald Huddleson; Roy Jacobs '98; You Na Jung; Firat Kahraman '04; Mary Ellen '93 and William Kirgan; Fred '58 and Mary Krueger; Bill '70 and Anne '94 Lindgren; Pamela Manley '90; Stephanie Martensen; Donald Myers '61, '64; Gary '60, '66 and Barbara '61, '65, '85 Patterson; Scott Preston '97, '02; Christopher '83, '85 and Darlene '84 Ramsay; Mrs. Walter E. Remmers '23; Gerald '64 and Betty Rupert; Kevin Schwalje '96; Joseph H. Senne '51; Andrew Singleton '00; Burhanettin Sirin '03; K.C. Snyder '96; Dale '97 and Patricia '94 Spence; William A. Stoltz '68; Renee Stone; F.J. Taylor '60; Chancellor Gary Thomas; Joyce '78 and Larry Thomas; Armin Tucker '40; Norman Tucker '40, and Randy '72 and Paula Verkamp.

Bruno's welcomes alumni home

Feb. 4 – Members of the Central Ozarks Section gathered for the first of many happy hours to come. Bruno's hosted this group, with new owners who are also UMR alumni!

Appetizers and adult beverages came out in mass quantity. The group thought extra practice was needed prior to the annual St. Pat's celebration, just a month away.

Thanks go to Ryan Buschjost for organizing and hosting this event.

Those attending included Don '93 and Nancy '96 Brackhahn; Tom Brown '93; Ryan Buschjost '94; Jim '51 and Erma Cooper; Tom '94 and April '94 Evers; Dan Fuhrmann '99; Katie Grantham '01, '03; Doug Holmes '01; George Karr '92; Tim Limmer '97; Bill '53 and Pat Lindgren; Kimberly McAdams '02; Dan Mohan '04; Chandra Sekhar Nandigama '03; Clayton '80, '85, '90 and Tulin Otamis Price; Kevin Schwalje '96; Andy '00 and Maggie Singleton; Arda Sirin '03; Dale '97 and Patricia '94 Spence; William A. Stoltz '68; Katie Walton '03; Heping Wang '94; Marianne Ward; Carlton '02 and Brandi Washburn; John Wiggins '70, and Paul Woods '96.



New Chicago Section president Parris Ng with guest Jenny Che.

CHICAGO

Snow fails to detour alumni from bar night

Jan. 22 – A handful of Chicagoland alumni braved more than 15 inches of snow to attend the first Chicago Section event of 2005. Unfortunately, the event was not a skiing or snowmobiling activity, so dozens of alumni could not attend because of the horrific travel conditions.

Despite the weather, attendees considered the bar night held at Lion Head Pub in Lincoln Park a roaring (excuse the pun) success. The group boasted about the Outstanding Section of the Year Award the Chicago Section received at Homecoming and discussed plans for further improving the section next year.

Special thanks to Parris Ng for organizing this event.

Those attending included Bill Lyon '03; Chris Marlow '98; Fred Niemeier '95, and Kathy Reynolds '97.

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WE WANT YOUR NEWS

Submit your Section News by
JULY 15 to alumni@umr.edu
for inclusion in the fall 2005 issue.

**Looking for an Alumni Section in your area?
Go online to alumni.umr.edu and click on Section Directory.**

**DALLAS/
FORT WORTH**

**UMR representatives visit
Dallas/Fort Worth alumni**

Jan. 10 – Dallas/Fort Worth alumni hosted three Rolla representatives for dinner at Willhoite's in Grapevine, Texas. Chancellor Gary Thomas, Vice Chancellor Debra Robinson and Mark Mullin, athletic director, joined several alumni and their guests for an evening of good food and even better conversation. Guests heard a full campus update and learned about the new Havener Center and Residential College. Mullin also answered questions about UMR's switch in athletic conferences.

A very special thank you goes to Glenn and Mindy Brand for organizing and hosting this evening.

Those attending included Ed '50 and Barbara Barsachs; Glenn '83 and Mindy '84 Brand; Terry Durham '70; Joe '54 and Edie Gray; Gary '62 and Judy Havener; Byron Keil '52; Matt Kertz '01; Bach Melick '93 with Tami Fuentes; Mark Mullin; Harry '50 and Sybil O'Dell; Dustin '02 and Morgan '03 Penn; Christ Pundmann '97 with Mary Samek; Ken '65 and Vicki Robb; Debra Robinson; Steve '74 and Betty Suellentrop; Jim Swinford '94; Chancellor Gary Thomas; Greg Waldschmidt '83, and Richard Waldschmidt '76 with Billy Waldschmidt.

HOUSTON

**Houston alumni bid
farewell to Thomas**

Feb. 6 – Since Chancellor Gary Thomas announced his upcoming retirement, the Houston Section wanted to thank him for his continuous efforts at UMR. Organized and hosted by Nicole Talbot, several members of the Houston Section were on hand to personally recognize Thomas' many accomplishments.

Thomas shared current events and news with the group and a lively question-and-answer session helped round out the morning activities.

Dan Hinkle polished off the brunch by thanking Thomas for his leadership.



Members of the Houston Section welcome Chancellor Thomas to brunch on his final visit to the Houston area.

Those attending included Paul Balaster '02; Kipp '52 and Jerre Ferns; John Furby '65 with John D. Furby; Joe Gladbach '79; Dan Hinkle '73 with Kay Dee; Phil '70 and Arni Ilavia; Gary Jones '76; Jim Medlin '67; Zeb '72 and Harriet Nash with Barbara, Robert and Theo; Olusegun Olusanya '70; Dennis '68 and Suzan Parker; Russ Pfeifle '74; Larry '00 and Elizabeth '98 Ragsdale; Joe and Joan Ricca; Nicole Talbot '77 with Mavis Talbot and Bruce Talbot; Chancellor Gary Thomas, and Julie Turley.

**Houston Aeros
defeated at home**

Feb. 19 – Despite the best efforts of the Houston Aeros, members of the Houston Section could not chalk up their annual hockey event to a win. Scoreless in the first period, Kirby Law tied the game in the second. However, the third period proved to be the end as the Chicago Wolves scored a second goal, leaving Houston to claim defeat.

This annual event continues to bring alumni and their friends out to the Toyota Center. However, the group was missing the biggest fans of this annual event, Wayne and Betty Andreas. The section will greatly miss Wayne, who passed away on April 14.

A special thanks goes to Wayne for coordinating this event, and to Nicole Talbot for stepping in and hosting.

Those attending included Laurie Anderson; Rolando Benavides; Phillip Callen '81 with Kerry and Jeff; Lori Stapp Crocker '88; Devinee Davison; Helen Elwood '00; Ann Englehorn '98; Michael Garner '00; Ric and Connie Goetz; Robbie '02 and Margie '02 Gordon; Stan '70 and Bonnie Kistler; Bill Malone '97; Russ Pfeifle '74; Robert and Patti Porche; Larry Ragsdale '98; Justin '99 and Melissa '97 Ryan; David Savage '98; Greg '02 and Melissa '02 Savage; Nicole Talbot '77, and Jerry Vogt '98.

**Houston alumni participate in
SPE Petroleum Career Fairs**

November, 2004 – With the goal of inspiring more students to embark on careers in the petroleum industry, Houston Section alumni represented the UMR petroleum and geological sciences disciplines at the annual petroleum career fairs, sponsored by the Society of Petroleum Engineers Gulf Coast Section. The fairs, held the week of Nov. 15, gave high school students and their parents information on careers in the petroleum and energy industries, colleges and universities offering education in these disciplines and information on scholarships and internships available.

These fairs also gave students and their parents statistics on the average starting salaries for graduates with a bachelor of science degree (approximately \$70,000), with an average of four job offers per graduate. About 120 students and their families learned of the programs available to them through UMR.

Special thanks go to Curt Killinger for organizing this project, and UMR representatives Jennie Bayless and Shari Dunn-Norman for their participation.

Those attending included Jennie Bayless '89; Tom Belsha '74; Shari Dunn-Norman; Mark Gredell '79; Curt Killinger '73, '80; Jim Medlin '67, and Bob Schoonover '79.

INDIANAPOLIS

**Goff joins Indy alumni
for holiday celebration**

Jan. 7 – Jay Goff, dean of enrollment management, joined members of the Indianapolis Section for their first event of 2005. Armed with admission and retention figures, Goff showered guests with the impressive standing of UMR students and programs and brought the necessary energy to kick off a strong year of alumni events.

Special thanks go to Dawn Stufft for coordinating and hosting this event.

Those attending included Brian '94 and Christy Alfredson; John '85 and Annette Brannon; Jay Goff; Wes Merkle '03; Karl '82 and Deb Morrison with Karla; Dan '58 and Shirley Pfanstiel; Les '66 and Linda Stewart; Joshua '00 and Dawn '99 Stufft, and Emily Wehmeyer '97.



Dean Jay Goff joins the Indianapolis Section to celebrate the new year and share UMR's vision.

KANSAS CITY

Hopes of tournament play bring KC alumni downtown

March 3 – The annual MIAA basketball tournament was held in Kansas City the first weekend in March. Members of the Kansas City Section met at Tanner's Bar & Grill to help cheer on the Miners. Despite last-minute news that the teams would not be competing, the alumni still celebrated the Miners in spirit. Marianne Ward of the alumni office was on hand to celebrate other victories of UMR and to share all the current events happening on campus.

Those attending included Kenneth Bandelier '97; Steven Baymiller '91; Kevin Eisenbeis '79; Jeremy Estep '98; Jeff Greer '99; Mike Higgins '93; Zach Kissane '03; Mike Lally '83; Brandy Miller '98; Courtney Porter '98; Joe Reichert '59; Chris Trull '97; Marianne Ward, and Steve Warger '79.

SALT LAKE CITY

Reception during the SME annual meeting and exhibit

March 1 – Alumni and friends gathered for the annual SME reception, held this year at the Marriott in downtown Salt Lake City. Several faculty members from the School of Materials, Energy and Earth Resources (SoMEER) were on hand to talk with alumni about current events on campus.

Larry Grayson acted as the master of ceremonies, introducing each student present by giving a little background on the career path

each is choosing. This was the first formal gathering of alumni in the Salt Lake City area, and hopefully not the last. Marianne Ward of the alumni office was on hand to mingle with alumni and share all the benefits of being a chartered section within the MSM-UMR Alumni Association.

Special thanks go to Grayson and Mariesa Crow from SoMEER for sponsoring this event with the alumni association.

Those attending included Julia Andoe; Derek Apel; Matthew Baebler '79; Jason Baird '01; Genevieve Bodnar '98, '01; Chris Bollinger; Richard Bullock '51; John Buttenob '89; John '77 and Wendy '75 Carter; Garrett Cockrum; Joseph Cohn; John Combs; Chris Davis; Antoinette Donovan; Adam Eatherton; Dale Elifrits '76; Steve Fiscor '86; Scott Geer '04; Rick Gehring '96; Richard Gertsch '00; Fiorella Giana; Katherine Glee; Mike '69 and Diane Gravitz; Larry Grayson; Sidney Green '59; Spent Hansen '62; Terry Harvey '78; Helen Hilburn '51; Gordon '59 and Loretta Johnson; Steve Kan '00; Sean Kautzman '00; Cyril '51 and Jo Kinane; Adam Kresler; E. Bane Kroeger '88; Jim Lammers '64; Gevan McCoy '99; Seth Reeves; Rich Rimbach '62; Barbara Robertson; Tricia Robertson; William Roes; Lee and Priscilla Saperstein; Jacob Scherer; Bill Schlittler '77; Gary Skaggs; Catherine Skrzyniarz; Piotr Szmigiel; Jerry Tien '88; Richard Trynoski; Robbie Vetter; Marianne Ward; Joel Warneke '01; Brett '03 and Megan '03 Wessel, and Leonard Wolff '78.

ST. LOUIS

St. Louis alumni aren't singing the blues over hockey

Feb. 5 – Members of the St. Louis Section routinely hold an event during the St. Louis Blues hockey season. However, due to the

strike, a new plan was put into action. After gathering at the Grappa Grill for happy hour, attendees went to The Family Arena to see the Missouri Otters battle the Kansas City Outlaws. There were even some Blues players getting some ice time with the Otters.

Special thanks go to Sylvia Strackeljahn for organizing and hosting this event.

Those attending included Dick '51 and Shirley Bauer; Julie Bell; Melissa Bristow '01; Doug Bristow '01; Mari Burge; Amanda Carter '01; James '99, '01 and Laura '01 Castle; Charles Culp '03; Pam Dearing; Randy Dreiling '81; David Drawing '00; Samuel '97 and Shawwna '00 Erter; Jarrod Grant '98; Scott '99 and Jodie Green; Joe '89 and Amanda Hoffmeister; Jason '96, '98 and Valerie '98 Holschen; Tim '88 and Shari Hudwalker; Chris '94 and Kassie Huett; Chris Kelly '03; Matt Kislner '01; Elizabeth Kulp '00; Ralph Lueck '68; Gail Lueck '02; Tom '82 Meyer with Brian; Tom '74 and Norma Mull; Milton Murray '64, '80; James '99, '03 and Sara '99, '04 Nelson; Sue '74 and Sandy Rothschild; Bob '83 and Nan Soehngen; Sam '03 and Sylvia '03 Strackeljahn; Tony Tompras '85; Jeff '83 and Sharon '83 Vaughn; Steve and Marianne Ward; Jon Wies '03, and Jason '99 and Nicole '98 Williams.

SOUTHERN CALIFORNIA

Chapter Organizational Meeting

Jan. 29 – Mandy Wedertz, president of the Southern California Section, called alumni out to meet on the upcoming year and to decide on future activities.

The group decided to hold a St. Pat's party in March and a baseball game in June. Who will the alumni cheer for, the Dodgers or the Cardinals?

Congratulations to Rich Harwin for being selected to take on the role of vice president for the Southern California Section.

Those attending included Rich Harwin '80; Mike Muenster '81, and Mandy Wedertz '99 with Rob Posgai.



Dale and Fred Springer riding their favorite railroad, the Cumbres & Toltec Scenic Railroad.



The Vista Canyon, above, is a full-size Santa Fe rear end lounge/sleeping car from the famous "Super Chief," which the Springers restored to Amtrak specifications.

Working on the railroad

Most retirees like to take it easy.

Fred Springer, ME'49, likes to work on the railroad.

Every summer, Springer and his wife, Dale, volunteer to work on railroad restoration projects in New Mexico and Colorado, specifically on the Cumbres and Toltec Scenic Railroad. Thanks to the work of volunteers like Springer, restored steam locomotives are able to pull old passenger cars over 64 miles of track, which was originally carved into the mountains during the 1880s.

Springer, who retired from Mobil in 1985, wears his old company hard hat when he's working on the railroad, and donates oil to help keep the old engines running on time.

1930s

1939

William R. Ellis, EE: "I've recovered from a fall, caused by a dizzy spell, that sent me to the hospital for a couple of weeks." • **Elmond L. Claridge**, ChE, MS ChE'41: "I worked 38 years for Shell Oil in refining, oil production and research. I received a Ph.D. from the University of Houston in 1979, taught petroleum engineering for 12 years, and consulted for eight years before retiring."

1940s

1940

Eugene L. Olcott, MetE: "I sold my cow herd and I'm working to improve the wildlife habitat on the 95-acre Potomac River conservation easement." • **Paul F. Ross**, ME: "I'm in good health at age 87."

1942

Vernon T. McGhee, PetE: "In 2004 I attended the Order of the Golden Shillelagh celebration in St. Louis and Homecoming in Rolla. I started two endowed scholarships for Kappa Alpha fraternity."

1943

Herbert S. Kalish, MetE: "I retired from tennis and running track after my torn Achilles tendon was repaired, but I can still walk pretty fast. I volunteer at Historic Hildene and American Museum of Fly Fishing in Manchester, Vt." • **Charles S. McCormick**, ME: "Our sons, **Craig**, CSci'68, and **Dave**, ChE'70, are in the engineering management field. My wife, Grace, and I recently relocated to be near family, including daughter, Anne, 11 grandchildren and a great-granddaughter. Grace is in care for Alzheimer's disease, but is physically in good health for our 61 years together. Greetings to UMR."

1947

Joel H. Teel, MetE: "In October we moved from Layton to Saint George, Utah, to enjoy warmer weather without the northern Utah snow."

1949

Paul H. Greer, EE: "I've reached 80 years of age and have two fabulous great-granddaughters."

1950s

1950

Dave Grimm, MetE, hosted a gathering in Clinton, Conn., in October for **Byron**, PetE'52, and **Mary Ann Keil**; **Bill**, MetE'51, and **Anne Horst**, and **Dick**, ChE'51, and **Shirley Bauer**.

1951

Thomas C. Browne, CerE: "Life has changed since I can no longer drive, but at least I'm up and around each day. I put a lot of hours on the computer, an interesting device." • **William S. Harper**, ChE: "We had a nice cruise in May 2004. Our first stop was Lisbon, Portugal. From there we boarded a Holland America ship for a 10-day cruise with stops in Minorca, Spain, France, Monaco, Corsica and Italy. We really liked Rome and Barcelona." • **Eugene P. Larson**, ME: "Ellen Rose and I have been married 50 years and have four children and nine grandchildren. Five of our family members are MSM-UMR graduates." • **Thomas E. Smith**, MetE, retired from the practice of intellectual property law in 2004.

1952

John Steele, EE, and his wife, **Shirley**, celebrated their 50th wedding anniversary on Dec. 18, 2004.

1953

James R. Stowe, EE: "I took a 10-day Alaskan cruise. It was very interesting."

1954

Daniel E. Groteke, MetE, president of Q.C. Designs Inc. received an Award of Scientific Merit from the American Foundry Society in June 2004. • **Harold A. Koelling**, MetE, MS MetE'61: "The Golden Alumni Reunion was beautiful!"

1957

Frank P. Celiberti, ChE: "I'm semi-retired, but still work as a project consultant for oil and gas chemical companies in the U.S. and overseas. Madeline and I have four children and six grandchildren." • **Salvatore J. DiBartolo**, ME: "Shirley and I became

grandparents on Aug. 31, 2004, when our grandson was born to our son and daughter-in-law." • **Robert G. Fuller**, Phys, became emeritus professor of physics at the University of Nebraska-Lincoln on Sept. 1, 2004. • **James B. Lorenz**, CE: "I'm going for 50 years with Black & Veatch."

1959

Jerry Bayless, CE, MS CE'62, was Honorary St. Patrick during UMR's 2005 St. Pat's celebration. He is associate dean of the UMR School of Engineering. Bayless received the Chancellor Medal at UMR's December 2004 commencement.

1960s

1960

Gerald B. Allen, ChE: "Esther and I took a cruise from San Francisco to Alaska last September. We stay busy with quilting and Bible study. I have been accepted as a liver transplant candidate, but Lord willing it will be a few years before I am in real need of a transplant. My advice is know the significant things in life and keep them in focus to live life to the fullest." • **Anthony Del Prete Jr.**, GGph, MS GGph: "I continue to teach geology for Dixie State College Elderhostel. We had a great camping trip on the California coast last June in our RV." • **Paul R. Jordan**, EE: "We are still living in Lake San Marcos, Calif., enjoying our retirement. We play golf and volunteer at church and through Kiwanis. We travel extensively, both through Elderhostel and on our own."

1961

James M. Burns, ME: "We planted a tree on campus last August in memory of my uncle, **Fredrick B. Burns**, EE'54. I chaired the Kappa Sigma campus awards ceremony for the chapter's 100th anniversary in October 2003." • **Kenneth J. Schader**, ME: "Jane and I have been married for 43 years and have three children and five grandchildren. I spent two years in the U.S. Army, four years in industrial sales, three years in engineering consulting, then owned and operated an industrial pump distributorship in Missouri and Colorado for 32 years. I sold the company in 2001 and continued working for them until retirement in December 2004. I have my P.E. license in Missouri, Illinois and Colorado. Life is good."

1962

Jim Guest, ME, MS EMgt'71, was an Honorary Knight during UMR's 2005 St. Pat's celebration. Guest serves Missouri's 105th district in the Missouri House of Representatives, where he is co-chair of the University of Missouri House Caucus, a group organized to help foster communication and support for the university. • **Michael J. Maksymicz**, EE: "I took early retirement in 2002 from Delphi Delco Electronics in Kokomo, Ind. Shirley and I now reside in Beverly Hills, Fla., and are really enjoying this part of our lives." • **Richard Mueller**, MetE, MS MetE'67: "I recently had triple bypass surgery. My chest is wired with 316L stainless steel, so now I really am a 'metal man.'"

1963

Robert W. Holmes, ME: "It has been a great journey, thanks to MSM-UMR. Process engineer with Cities Service Oil Co., 1st Lt. combat engineers, U.S. Army, master's degree in business administration at Mizzou, professional engineer license in Missouri and Colorado, and 36 years in aviation engineering with Trans World Airlines and American Airlines. My wife and I are anticipating time to travel, relax, spend time with family and tackle long-overdue projects." • **Mohammad A. Ibrahim**, MetE: "I was visiting my parents' hometown at Binjei, around 62 miles from the tip of North Sumatra, when the tsunami hit. With a few family members, we rushed to a car and directly joined the Marines. They did a very good job, even risking their lives. May God bless them." • **Donald L. Packwood**, Phys, MS Phys'65: "Last February I was honored with a University of Missouri-Columbia, College of Arts and Sciences Distinguished Alumni Award. I received my Ph.D. in physics at UMC."

1965

Richard J. Gentile, PhD GGph: "I retired in 1999 after 31 years teaching geology at the University of Missouri-Kansas City. No grass grows under my feet. I presented a paper at the International Geological Congress meeting in Florence, Italy." • **Arthur L. Nickless**, Phys: "Looking forward to my first visit to Australia."

(Continued on page 46)

Bailey joins MarkWest Board of Directors

Keith E. Bailey, ME'64, has been chosen to join the MarkWest Energy Partners board of directors.



Bailey has an extensive background in energy and financial markets. Since 1973, he has served in many capacities with Williams Companies Inc. Bailey has acted as president and chairman of Williams Pipe Line, chairman of Wiltel and Williams Communications, president of Williams Natural Gas, and executive vice president, chief financial officer, president and CEO of Williams Inc. From 1988 until his retirement in 2002, Bailey also served on Williams' board of directors, acting as the board's chairman for eight years.

Bailey has held board positions in several other public companies, including Bank of Oklahoma, Apco Argentina, Aegis and Williams Energy Partners. Bailey was recognized as "Energy CEO of the Year" by *Financial World* in 2001.

Blunt picks grad for higher education board

Gregory Upchurch, Phys'72, MS EE'85, has been appointed to Missouri's Coordinating Board for Higher Education. He was nominated by Gov. Matt Blunt in early January, and confirmed by the Missouri Senate later in the month.



Upchurch, an adjunct professor at the Washington University School of Law, practices general business litigation and intellectual property litigation in the St. Louis office of Husch and Eppenbueger.

"Higher education is critical to the economic future of Missouri," Upchurch says. "Improving the quality and accessibility of our higher education programs will be our first priority."

1966

Alan D. Shaffer, MetE, MS EMgt'70: "I retired from Nooter Corp. after 31 years and am now happily back in St. Louis. I have three married daughters and eight grandchildren."

1967

John Michael Evans, ME: "Retired, living in Stuart, Fla., and loving it."

1968

John M. Berger, ME: "I quickly tired of semi-retirement and began a new home-based business utilizing energy-efficient environmental technologies for industrial applications." • **Bobby T. Cox**, MetE: "Acorn Stamping is still going strong despite all of the doom and gloom in the manufacturing sector. My wife, Sandy, remains cancer free after her surgery last year and we thank God for that. Our daughter, Teri, gave us our second grandchild, Cayden Khol St. John, who was born on Aug. 5, which is also our son's birthday." • **Joseph J. Long**, CE: "After retiring from SBC in 1999 I became a real estate agent for Coldwell Banker Gundaker in St. Louis. My son, **Matthew**, EMgt'00, graduated from UMR in 2000." • **Dennis M. Peavler**, ME: "My wife, Reba, and I opened Lake Norman Pet Pantry in April 2004. We deliver pet food and supplies to our customers' homes. This is more rewarding than the 30 years I spent working for big companies." • **Darrell Pepper**, ME, MS ME'70, PhD ME'74: "I just completed a year as the American Society of Mechanical Engineers congressional fellow in the office of Sen. Dianne Feinstein. I am now back at the University of Nevada-Las Vegas, where I am a professor of mechanical engineering and director of the Nevada Center for Advanced Computational Methods."

1969

Joseph W. Stahl, Math, MS CSci'72: "Three more of my articles were published in the *Washington Times* Civil War page. Hope there will be more this year." • **Cheryl Ann (Dodson) Steffan**, CSci: "I completed a degree in civil engineering in May 2004 and am now an environmental engineer with the Missouri Department of Natural Resources." • **Alvin D. Wansing**, CE: "I retired from the City of Springfield last December after 31 years. My wife and I formed Champion City Consulting LLC."



IT'S A FAMILY THING

UMR is a family thing for the Walkers.

Pictured left to right are Jeff Walker, MinE'79, Becky Walker, ME'04, Traci Walker, Hist'00 and Rodger Walker, CE'70. "My daughter, Becky, just graduated, making four from our family to graduate from UMR," says Jeff, whose brother, Rodger, is the father of Traci.

We offer professional management and engineering services in the Springfield, Ohio, area."

1970s

1970

Douglas G. Birk, EMgt: "I've been enjoying retirement from AVSCOM for the past seven years. I continue to play with my collection of five vintage Cadillacs and add to my collection of scale models – the ones I can't afford!" • **John E. Branham**, CE, was elected treasurer of the Associated General Contractors of Missouri for 2005. He is president of Branco Enterprises Inc. • **Dale M. Bryson**, MS CSci: "I retired last June from Umpqua Community College after 33 years and now teach math part time. My wife and I plan to visit UMR this summer."

• **Charles C. Latty Jr.**, ME: "After 30 years with Ford Motor Co. I retired and moved from Michigan to Monterey, Calif., where the weather is warm. I'm now preparing for my next adventure – to build the world's best entry-level sports car." • **Mel Millenbruck**,



at left, CE, vice president of transportation for URS Corp.'s St. Louis operation, was promoted to office manager. He will lead 122 employees in the St. Louis Highlands and Decatur, Ill.,

offices. • **Glenn Phillips**, EE, retired on Oct. 4, 2004, from MEMC after a 30-year career in the manufacturing industry and started a new career as a travel agent with Five Star Travel in O'Fallon, Mo. • **William K. Shinn**, EE: "I started a new consulting company, e-HAZARD.com., with three other individuals. We do electrical safety consulting, electrical arc hazard studies and

(Continued on page 48)

MSM-UMR Alumni Association Mission and Goals

MISSION

The association will proactively strive to create an environment — embodying communication with and participation by MSM-UMR alumni and friends — to foster strong loyalty to UMR and growth of the association. The association will increase its financial strength as well as provide aid and support to deserving students, faculty, and alumni friends.

GOALS

- Assist university with recruitment and retention.
- Improve communication with and expand the involvement of alumni, especially recent graduates and current students.
- Increase financial resources of the association and the university.
- Strengthen alumni section activity.
- Increase volunteer support to the university and its students.

The officers and other members of the association's board of directors provide leadership and actual participation to achieve these goals and fulfill this mission. For their efforts to be a success, they need YOUR active participation as well, in whatever alumni activities you choose.



FLYING HIGH

For Ed Tuck, private funding is the X factor in space exploration

Photo by Richard Seaman (www.richard-seaman.com/)



Space Ship One riding beneath the White Knight.

Ed Tuck, EE'53, watched *Space Ship One's* \$10 million flight from his patio in California. As a business partner and advisor to some of the competitors for the Ansari X Prize, a challenge involving privately funded suborbital flight, Tuck had more than a passing interest.

A few weeks earlier, he was in the Mojave Desert to get a good look at *Space Ship One's* first suborbital flight. The X Prize rules required two trips to near space.

"The amount of money I contributed to the project was very insignificant compared to the total raised, but I suppose it came at a good time," says Tuck, principal of Falcon Fund, a private investment fund. "At the Mojave airport for the first attempt, I was treated like visiting royalty."

Tuck has started or participated in starting several companies, including Teledesic Corp., Magellan Corp., Applied Digital Access and Endgate Corp. Among other ventures, he is currently a director of TriQuint Semiconductor Corp.

Some of Tuck's favorite ventures involve ideas that stretch the boundaries of conventional thinking. In a quest to build a new kind of aircraft, he worked with Peter Diamandis, who eventually co-founded the X Prize, and Burt Rutan, a designer of flight vehicles. Initially, they weren't thinking about space flight or the X Prize; they just wanted to try a new business idea.

"Burt designed an airplane that would carry a communications payload, circling around a metropolitan area, providing cellular service, Internet service, and whatever else people wanted to do," Tuck explains.

While that idea didn't exactly fly, another plan for the plane emerged. "The third version of the design was the *White Knight*, beneath which *Space Ship One* rode to its launch altitude," Tuck says.

The rest is now history.

"Somewhere along the line, probably around 1996, Peter (Diamandis) came up with the X Prize," Tuck says. "He immediately beat me up and made me contribute a little seed money. He collected similar amounts from nine or 10 other people, and then went out and did his thing."

The Ansari family got involved by paying an insurance premium, which protected them in case the X Prize was actually won.

Space Ship One technology is currently owned by Microsoft co-founder Paul Allen and a company called Mojave Aerospace Ventures, but a lot of people, including Tuck, had a hand in helping Allen and his company collect the \$10 million.

As for the future, Tuck is sure more private forays into space will succeed.

"There will be a lot of space flight in the future," he says, "because people who have money will want an adventure. For example, Richard Branson of Virgin Galactic is nobody's fool; he's in the business of hauling people around for money."

Meanwhile, Tuck says he's content to push conventional limits in his own plane – "I fly a pressurized Baron, and the higher I fly, the more squirrely it gets" – until the next private space adventure becomes reality.



"You have to be able to make yourself be found, be published and to brand yourself."

*Jean K. Holley,
CSci'81*

Success in the city

In an article in Chicago's *Daily Herald*, **Jean K. Holley**, CSci'81, was featured as one of the city's prominent businesswomen. As chief information officer at USG Corp., Holley's career led her to join Naperville, Ill.-based Tellabs Inc. in April 2003 as senior vice president and chief information officer.

One of the few top-ranking female executives in Chicago area corporations, Holley told the newspaper that women executives need to learn how to promote themselves so corporate America notices them. "You have to be able to make yourself be found, be published and to brand yourself," Holley said. "It's not an easy thing for women to do, to create their own image. But it's important and it's hard."

Doug Duchardt joins Hendrick Motorsports



Hendrick Motorsports is home to racers Jeff Gordon and Terry Labonte, and now it's home to a UMR mechanical engineering graduate.

In February, **Doug Duchardt**, ME'87, was

introduced as vice president of Hendrick Motorsports. Duchardt was previously the director of General Motors Racing. Prior to becoming a director at GM, Duchardt was responsible for all program management and technical development in the areas of engine, chassis and aerodynamics for the Chevrolet and Pontiac racing efforts in the NASCAR Nextel Cup, Busch series and Craftsman Truck Series.

Petri hired as Kentucky's defensive line coach

Rick Petri, EMgt'76, didn't end his football career on UMR's Jackling Field. Recently hired as defensive line coach for the University of



Kentucky, Petri has spent 12 years in the Southeastern Conference. After graduating from UMR, Petri coached at Arkansas State for nine years. He later coached at the University of Mississippi, the University of South Carolina, and the University of Miami, where he coached future professional football star Warren Sapp.

EMAIL

action connection EMAIL connection

Dan, ME'83, and **Laura**, CSci'83, **Harrington**, RedHarring@alltel.net

Eric Politte, ME'82, egpolitte@rmaworld.com

Joe Wildt, EE'69, joemidwestvc@hotmail.com

Michael J. Maksymicz, EE'62, mmaksymicz@tampabay.rr.com

ALUMNI DIRECTORY

The MSM-UMR Alumni Association is partnering with Harris Publishing to publish a new MSM-UMR alumni directory. You will be contacted by mail and through phone calls, so please respond and complete your information. We don't want to leave anyone out of the new directory.

electrical safety training for industry and utilities." • **LaMar T. Sizemore Jr.**, EMgt: "I retired from civil service in June 2004 and am now plant maintenance director for Wallace Community College in Dothan, Ala. I still live in Enterprise, Ala." • **James D. Whitehead**, CE, is now public works director for South Padre Island, Texas.

1971

Richard Ash, MinE, retired after more than 24 years as St. Charles, Mo.'s, parks and recreation director. • **Bryan Pearl**, CE, director of public works for the city of Maryland Heights, received the 2005 Outstanding Engineer in Government Award from the St. Louis Chapter of the Missouri Society of Professional Engineers.

1972

Ed Emery, PetE, was an Honorary Knight during UMR's 2005 St. Pat's celebration. He represents the 126th district in the Missouri House of Representatives, where he was recently appointed to serve on the Policy Development Group, which helps formulate Republican Caucus policy positions. • **Juan G. Ochoa**, MS ME, was appointed manager of External Affairs for Colombiana Kimberly Colpapel in Columbia. • **Carl B. Sigler**, Phys, retired from Conoco Phillips in March 2004 after 32 years of service.

1973

Janice E. Breidert, CSci: "My son, **Stephen**, is on the honor roll and graduated in May from UMR with degrees in computer engineering and mathematics. He is a third-generation Rolla graduate." • **Larry Hendren**, MinE, was an Honorary Knight during UMR's 2005 St. Pat's celebration. He is president and chief executive officer of Engineering Surveys and Services and president of the MSM-UMR Alumni Association. • **Jim Hess**, Math, was promoted to vice president and officer of the Leggett and Platt Inc. • **Warren E. Vahle**, NucE, was appointed vice president at Sargent & Lundy LLC.

1974

Timothy J. Carroll, GGph, has worked for the Bureau of Land Management as a geologist and mineral examiner for 30 years. He now lives in Folsom, Calif., with his wife, Jackie, and their two Lhasa apsos. • **Lindell R. Hurst Jr.**, MetE, MS MetE'77, MS

EMgt'84: "After 24 years with Monsanto and its spin-off company, Solutia, I changed jobs and now work for Haynes International as a marketing manager of nickel-base corrosion-resistant alloys for the chemical industry. My wife and I moved from Alabama to Indiana, so we'll have to get readjusted to Midwest winters."

1975

Jeffrey C. Capps, CE, of Collins, Mo., retired from the Missouri Department of Transportation after 30 years of service.

1976

Kathryn A. Becker, CSci: "After 20 years I'm still in Belton, Mo. The boys are now 13 and 10, and I volunteer at their school." • **Terry Bone**, Chem, MS Chem'79, PhD Chem'90, was an Honorary Knight during UMR's 2005 St. Pat's celebration. He has been a member of the UMR chemistry department faculty since 1991. • **Ramona (Mona) Cummings**, ME: "My husband, **Ted**, EE'76, now works for Siemens VDO and I work in the future concepts office at NASA-Marshall Space Flight Center. Grandparenting is indeed that - grand." • **Michael R. Krueger**, EE: "Lynn and I got married in October 2004. We have six children in our house now." • **Peggy (Cahill) Montana**, ChE: "**Duane**, CE'75, the kids, Kelly, 18, and Stephen, 13, and I moved back to Houston last summer after spending three years in Singapore. Traveling around Asia was loads of fun. I am now vice president of supply for Shell Oil Products."

1977

Bruce H. Allen, MinE: "I was promoted to technical manager of mine and quarries for United States Gypsum Co. and moved the family back to Chicago. My son, Bryan, graduated from college and is working for USG Co. My daughter, Melissa, started college and our younger son, Craig, is a junior in high school thinking about attending UMR." • **Louis G. Loos II**, CE: "Hello to my fellow classmates. I am assistant director of the Maryland Heights, Mo., public works department and I live in Kirkwood, Mo." • **Mark Mastroianni**, ChE, MS ChE'79: "Bud Mercier will never be forgotten and was more than a coach. Those of us who played for Bud know what I mean." • **Ghassem Takmil**, ChE: "In the past century in Iran, families and extended family members,

(Continued on page 50)

UMR love story

Featured in the St. Louis Post-Dispatch

UMR students **Anna Kramer** and **Cameron Bahram-ahi** didn't meet during their college days. In fact, the couple met in 1999 when Bahram-ahi studied in Kramer's native country, Germany, through a high school student exchange program, according to *St. Louis Post-Dispatch* writer John Sonderegger, who featured Kramer and Bahram-ahi in his 2005 Valentine's Day column.

"We really fell for each other right away," Bahram-ahi told the *Post-Dispatch*. "But we weren't sure we'd ever see each other again... We stayed in touch with emails and phone calls."

Staying in touch was a daunting task for a man with little knowledge of the German language and a woman who was just learning English. Love prevailed, however, and the couple married in December 2004.

Kramer, now fluent in English, finds people are often intrigued by the pair's unusual courtship. But, as she said to Sonderegger, "Nowadays people meet in all kinds of ways. This was pretty crazy, but it's not like we were just two random people out there."



Cameron and Anna Bahram-ahi

Weddings

Jason Backues, CE'99, married Deidre Levings on Oct. 16, 2004.

Eric Bahr, CE'04, married Bridget Hayes on June 18, 2004.

Bryan Chinn, CE'02, married Gina Winterhalter on Sept. 4, 2004.

Mark Edward Davis, EMgt'83, MS EMgt'89, married Irina Solovyeva on July 9, 2004.

Tim Findley, MinE'01, married Sarah Clay on Oct. 23, 2004.

Christopher Goldsmith, ME'99, married Amy Abplanalp on June 19, 2004.

James A. Gosche Jr., ME'02, married Beth Ann Kania on June 19, 2004.

Kris Kitchen, MetE'01, and **LeAnn Fantini**, ME'03, were married on Sept. 4, 2004.

Cody May, EMgt'01, married Cynthia Inez Ullrich on Aug. 7, 2004.

Thomas C. Metcalf Jr., ME'58, married Betty J. Kastner on Dec. 18, 2004. The ceremony was performed by **Gene R. Kuehn**, ChE'58. Thomas and Betty now live in St. James, Mo.

Kathryn D. Schack, BAdm'04, married UMR student **Jared Wheaton** on Dec. 31, 2004.

Joseph Skerik, MinE'98, married Michelle Gladbach on Oct. 23, 2004.

Curtis Stratman, CSci'01, married Rebecca Almond on Oct. 2, 2004.

Gary Wilburn, ME'03, married Leah Rex on Nov. 6, 2004.

Kris Wolfe, CE'03, married Theresa Resnik on July 24, 2004.



Cody and Cynthia May

including maids, lived in mansions built in a traditional Iranian architecture style. I spent my childhood in one of these houses in Shiraz in south Iran. These homes were built to be very efficient with regard to energy consumption, air conditioning and other aspects. Now on the Iranian New Year I am in one of these homes, which was turned into a small international hotel by Laleh International Hotel Development Group (Intercontinental Hotels). I hope you all can visit this friendly place one day." • **Jeffrey D. Welzbacher**, MinE: "If you are ever in need of underground steel roof supports, call me at (618) 475-9295."

1978

Michael R. Simac, CE, MS CE'79: "Earth Improvement Technologies has provided geotechnical and geosynthetic consulting engineering services for more than 14 years, which I have really enjoyed."

1979

Andrew (Andy) Cox, MinE: "I joined Coal Marketing Co. (USA) Inc. as sales director and am responsible for selling coal from the Cerrejon Mine in Columbia to the United States. It's a great opportunity and a super job. My wife, **Lee Ann (Richardson)**, CE'78, accepted the position of Virginia state director for Recording for the Blind and Dyslexic. Back to 40-hour weeks, but she loves her job."

1980s

1980

Donald E. Guenther, ChE: "I started Car Wash Products and Service in St. Louis. If you need equipment, ask for a UMR discount." • **Maribeth Humphrey**, LSci: "My oldest son is now in medical school in Colorado and my younger son, who has Down Syndrome, is taking biology at his public high school. Dr. (Nord) Gale and Dr. (Jim) Hufham had a great impact on my education. Thanks to you both for great mentoring and training." • **Thomas D. Radcliff**, NucE, is a principal research engineer at United Technologies Research Center in Hartford, Conn.

FUTURE MINERS

Bret, ME'93 and **Gina (Turner) Baldwin**, ME'93, had a boy, Dakota Turner, on Nov. 11, 2004.



Dalton Everett Burner

Jeffrey Burner, EMgt'95, and his wife, Melissa, had a boy, Dalton Everett, on Dec. 27, 2004. He joins brothers, Taylor, 6, and Braedon, 4.

Warwick W. Doll, ChE'65, and his wife, Carole, announce the birth of their fifth grandchild, Warwick Andrew Doll, born on Nov. 26, 2004.

Brett R. Doyle, EMgt'98, and his wife, Heather, had a boy, Brandon Xavier, on Oct. 3, 2004.

Jeffrey Harberl, GeoE'99, and his wife, Emily, had a boy, William Jeffrey, on March 1, 2004.

Shane, AE'99 and **Natalie (Phelan) Hegarty**, AE'99, had a girl, Reagan Ann, on March 10, 2005.

Gary Hubbard, MinE'94, and his wife, Marianne, had a girl, Emma Clare, on Sept. 2, 2004.

Nathan Jenkins, ChE'99, and his wife, Cindy, had a boy, Ian Nathaniel, on Dec. 21, 2004. He joins sister Sydney and brother Gavin.



Ian Nathaniel Jenkins

Bradford J. Kline, Math'88, and his wife, Anjula, had a boy, Jay Devan, on Oct. 24, 2004. He joins sister Asha, 2.



Brandon Henry Kuhlmann



Karsten James Leucht

Keith Kuhlmann, GeoE'96, and his wife, Christie, had a boy, Brandon Henry, on March 18, 2005.

Kurt W. Leucht, EE'94, and his wife, Samantha, had a boy, Karsten James, on Sept. 16, 2004. He joins brother Elijah, 2.

Kenny Light, CE'90, and his wife, Laura, had a girl, Meredith Lynn, on Jan. 26, 2005. She joins sisters Jenna, 11, Clarissa, 8, and Rebecca, 6.



Meredith Lynn Light

Bill M. Martin, GeoE'97, and his wife, Tracy, had a boy, Benjamin Alexander, on Oct. 12, 2004. He joins brother Will, 2.



Benjamin Alexander and Will Martin

1981

Ernie Banks, ChE, was promoted to operational excellence manager at the Maryland Heights facility of Mallinckrodt/Tyco Healthcare Inc. • **Robert Budenholzer**, EMgt, was elected vice president of programs for the Life Skills Foundation board of directors. The foundation serves people with developmental and other disabilities in the St. Louis area. • **Rosalie J. Hadley**, ME: "My wonderful husband, **Stanton**, NucE'79, MS EMgt'81, MS NucE'81, and I have three great kids – one in college and two in high school." • **Morris Hervey**, MinE: "I have served as president of TSI Engineering, a minority-owned consulting engineering firm with 25 employees, for more than 15 years. My wife, Denise, is the CEO. We have two

daughters who live in St. Louis." • **Ann A. Ihms**, CerE, MS CerE'83: "Our son, Elihu Carl, is studying biophysics at Texas A&M with a National Institutes of Health fellowship. Hopefully one of our daughters will end up at UMR." • **Douglas Kinzinger**, CE, joined Heneghan & Associates in Columbia, Ill., as a project manager.

1982

Kimberly Denney, ChE: "I'm a grandmother! I've also been named president of Air Liquide America LP. I'm responsible for industrial gas cylinder sales in the U.S. and our Alaska and Hawaii operations. I'm looking forward to a challenging 2005." • **Wayne Huebner**, CerE, PhD CerE'87, was an Honorary Knight during UMR's 2005

St. Pat's Celebration. • **Vicki Sue Johnson**, AE: "I recently moved from the 767 Tanker Program at Boeing to advanced design at Cessna. It's great to find so many Rolla people there."

1983

Rochelle L. Boehning, MS CSci, PhD CSci'85: "I retired from California State University in December 2004 after 45 years of teaching." • **Meg Brady**, CSci, MS CSci'89, was an Honorary Knight during UMR's 2005 St. Pat's celebration. She has worked in the UMR information technology department since 1983. • **Liz (Gearon) Parry**, EMgt: "My science education business has evolved into consulting. My passion is introducing kids to engineering by

(Continued on page 52)



Left to right: Andrew, Albert, Elizabeth and Hannah Meyers

Albert, ME'93, and **Jennifer (Wray) Meyers**, ME'93, had a boy, Andrew David, on Sept. 22, 2004. He joins Albert Jr., 7, Hannah, 5, and Elizabeth, 20 months.



Peter Robert Roth

Matthew Niemeyer, ME'99, and his wife, Kristie, had a girl, Ashley, on July 12, 2004.

Sheila (Otto) Roth, ChE'86, and her husband, Dave, had a boy, Peter Robert, on Dec. 1, 2004. He joins brother Benjamin, 5, and sisters Calyn, 8, Susan, 7, and Mary, 2.

Ty, CE'98, and **Tanya (Peters) Sander**, CSci'98, had a girl, Brooklynn Michelle, on Oct. 1, 2004.

Steven and Rayna (Koopmann) Schrick, ME'95, have two children, Riley, 3, and Ryan, 2.



Riley and Ryan Schrick



Aiden Wayne Smith

Mark W. Smith, MinE'91, and his wife, Amanda, had a boy, Aiden Wayne, on Feb. 20, 2004.

Daniel D., ME'94, and **Kara (Waggoner) Taylor**, GGph'96, had a girl, Jordyn Michelle, on Jan. 1, 2005. She joins brother Austin, 4.



Jordyn Michelle Taylor



Kate Heide Wexell

Wesley, CSci'97, and **Susan (Heide) Wexell**, NDD'96, had a girl, Kate Heide, on Aug. 23, 2004.



"I just want any robbery-minded people out there who hear about this to know I'm a tough mark."

Greg Raymer, Chem'85

Poker champ foils robbery attempt

Defending World Series of Poker champion **Greg Raymer**, Chem'85, doesn't like to lose money. This isn't just demonstrated in his poker dealings; it was proven when two men at a casino tried to rob him last December. While the former patent attorney approached his room after a game at the Bellagio in Las Vegas, two men tried to push him inside. Carrying \$150,000 in chips, Raymer fought the pair until they fled.

"I just want any robbery-minded people out there who hear about this to know I'm a tough mark," Raymer wrote on a poker website following the incident.

WE WANT YOUR NEWS

Section News / Alumni Notes
Future Miners / Weddings
Email / Stories for Pullouts

Please send your information
to alumni@umr.edu or write
**UMR Magazine, Castleman Hall,
PO Box 249, Rolla MO 65402-0249**

applying the math and science theory they learn in school. At the North Carolina State University College of Engineering, I direct a \$3 million five-year project to increase the number and diversity of students in higher-level math courses. It is challenging and rewarding, and a great way to combine technical knowledge, learning and a family."

• **Kimberly S. Williams**, PetE: "Dave, PetE'83, and I have three children, Dylan, 12, Collin, 10, and Kelly, 5. Dave works in emergency response for the U.S. Environmental Protection Agency and I am a state-certified real estate appraiser." • **Paul Wojciechowski**, CE, became public works director and city engineer for the City of Clayton (Mo.) in January.

1984

Laura Ford Breitenstein, Psyc: "I'm busy at work doing large-scale assessment and psychometric analyses for state-level departments of education. I'm busy at life with a happy, healthy 2-year-old daughter."

• **Steve C. Meyer**, AE: "Lora and I are still living in Cary, N.C., enjoying the coastal environment. I'm still doing defense business development for Lord Corp. Allison is 7 and Sarah is 5." • **Don Wichern**, CE, was named northwest Missouri transportation engineer for the Missouri Department of Transportation at its St. Joseph headquarters.

1985

Steve Davis, PetE: "I am sad to hear of Coach Mercier's passing. Bud gave me my nickname, 'Dynamite.' He was a great coach with a tough spirit, yet he could be brought to tears with the right Hank Williams song. I am pleased to contribute to the scholarship fund to honor this fine man." • **Scott E. Jaskowiak**, ChE, was named vice president and general manager of The Laclede Group's Laclede Energy Resources Subsidiary.

• **Rob Laird**, PetE: "I live in Pittsburgh and work as vice president of engineering at F.B. Leopold Co. supplying municipal water and wastewater systems. My wife, Lauren, and kids, Mike, 16, and Emily, 13, are all doing fine." • **Kurt Oakes**, MinE: "Joan and I pulled up stakes again and are now in Alton, Ill. I'm still peddling 'powder' for Orica Explosives, only now as a corporate initiation systems specialist." • **Anne M. Werner**, CE: "I received a Ph.D. in civil engineering from the University of Illinois at Urbana-Champaign in May 2004. I'm a

project engineer for the Rock Island District of the U.S. Army Corps of Engineers."

1986

Frederick M. Booth, GeoE, MS GeoE'88: "I still manage the St. Louis office of Golden Associates, which requires me to balance office management with project work, international travel and family life." • **David Mark Easty**, EMgt: "I plan to finish emergency medicine residency in June 2005 at Brooke Army Medical Center. I then expect to deploy overseas in support of the war in the Middle East." • **Cheryl K. Klueppelberg**, ME: "I'm an office manager which gives me flexible hours for the kids' activities. I have two daughters – Jenn, 13, and Michelle, 10 – and a son, Eric, 5."

1987

Paul Korinko, MetE: "Work has been challenging, with numerous projects in welding and coatings. In November I was promoted to fellow scientist. My daughter, Rachele, competed in the Miss South Carolina Teen USA Pageant." • **Matthew O. Scholl**, ME: "I have a new job providing process engineering for dry bulk solids handling systems. Drop me a line if you're going to be in Memphis." • **Sharon J. Wingron**, EMgt: "Life and business are going great! Check out www.developPEOPLE.com to learn about my company, Wings of Success LLC, and to get in touch. I can help engineers improve their people and management skills."

1988

Daniel Schaubroeck, ME: "My wife, Ann, and our son, Christopher, 6, are doing fine. I still work at Arkansas Nuclear One power station as a system engineer. 'Hi' to all my Newman Center friends." • **Robert Stanley Ivy**, ME: "We moved to Tampa, Fla., in January 2003. I manage a small consulting office."

1990s

1990

Stan Frisbee, Econ, was hired as business development officer for EDC Small Business Finance, overseeing 504 small-business loans in southern Missouri.

1991

Dirk Gowin, CE, MS CE'98, an associate for USInfrastructure Inc., is leading the firm's new Louisville, Ky., office.

1992

George Karr, LSci: "Last April in Clinton, Mo., I repaired a little girl's tooth. As she was running back to her mother in the waiting room, she turned around and ran back to me and said, 'Thank you for fixing my tooth, Dr. Automobile.' After that, I retired again and moved back to Rolla. This is a nice place to live." • **Anna (Light) Coats**, ME, was featured in *Business First*, a business publication in the Louisville, Ky., area that highlights young professionals who make a difference. Coats is transportation program manager for the West Coast in General Electric's Consumer and Industrial unit.

1993

Bill Faherty, CE, joined Subsurface Constructors Inc. as a project engineer.

1994

Edward Hunn, Psyc: "We have had a busy year. I started my job at Boeing-St. Louis last April, completed a master's degree in management at Webster University, completed the Certified Protection Professional program through ASIS International in May, and Abby Marie joined our family in June 2004. Heather and I are ready for a less busy year here in Belleville, Ill." • **Kara (Krueger) Ketcherside**, EMgt: "This year I will celebrate 10 years of marriage with John Christian Ketcherside, who was recently promoted to major in the Marine Corps. He just returned from Iraq and will resume teaching at the logistics school. I'm a merchandiser for American Greetings." • **Suzanne Olson**, Psyc: "Ron and I are now grandparents. Our beautiful granddaughter, Annika Grace Olson, was born April 12, 2004. I am retired and enjoying it completely."

1995



Ryan Barr, CE, *at left*, was promoted to director of development for Brinkmann Constructors in Chesterfield, Mo. • **Rayna (Koopman) Schrick**, ME: "Steve, ME'95, has a new job with Radiosystems Inc. in Knoxville, Tenn., and enjoys his travels to China. I have my own

business, Little Britches, and stay home with our two children, Riley, 3 1/2, and Ryan, 2. We love Tennessee and are excited to be close enough to come back and see the campus. We plan to be at Homecoming this year."

1996

Tina Steck, EMgt: "I earned a master's degree in business administration from St. Louis University and worked in manufacturing and product management. Last August I began a new career in the non-profit sector as an associate director of development for a private girls' school in St. Louis. I love my new job. I have completed seven marathons in the past two years, four as part of The Leukemia and Lymphoma Society Team In Training program."

1998

Eric Hibdon, CE, is project and office manager for Archer Engineers in Osage Beach, Mo. He is responsible for water and sewer projects coordinated with the Missouri Department of Transportation, the Missouri Department of Natural Resources and the U.S. Army Corps of Engineers.

1999

William (Bill) Brown, CE, joined Alberici Healthcare Constructors of St. Louis as a project engineer. • **Andrew Potthast**, CE, *at left*, was promoted to assistant transportation civil project engineer at Horner & Shifrin Inc.



2000s

2000

Stephanie Mathis, Math: "In November 2004 Donnie and I finally moved into our log cabin that we have been building on the side since January 2003. Donnie's business is flourishing and I still love teaching at Rolla High School." • **Mark Winschel**, ME, was hired by S.M. Wilson, a Kansas City-area general contracting firm, as a project manager. He currently manages construction of a Target store in San Antonio, Texas, and a Sam's Club in Davenport, Iowa.

2001

Marko Borovic, CE, joined Clayco Construction Co. as a project manager in the company's concrete division.

2002

Chris Leonard, CE, was promoted to project manager for S.M. Wilson & Co. • **Jill Phillips**, MS EMgt: "I am a senior program manager for the Coca-Cola Co. in Atlanta."

2003

Dan Larson, CE, is in the Tampa, Fla., area on a temporary assignment with Arco Construction.

2004

Kelly Turner, CE, returned to Scott Consulting Engineers P.C. as a design engineer. She worked at the firm as a co-op student.

'Top 40' in St. Louis

When the *St. Louis Business Journal* announced the city's "Top 40 under 40" in January, readers found two UMR graduates, **David Schuehler** and **Kevin Riggs**, listed among the city's most important and influential young businesspeople.



David Schuehler

Schuehler, CSci'93, serves as technical vice president for research and development at Reuters America. Scheuler began his career in 1991 with the McDonnell Douglas Corp., where he worked on the Tomahawk Missile Program. He later worked as a senior software engineer for Bridge Information Systems, which has since been bought by Reuters.

Riggs, CE'91, serves as president and chief executive of Cole and Associates, a planning, civil engineering and land surveying firm. Before joining Cole and Associates, Riggs was vice president of engineering at Stock and Associates.



Kevin Riggs

Friends

Lee Bauer †June 6, 2003

Elizabeth Gladden †Feb. 20, 2005

John Anthony Grindel, a former UMR chemical engineering student, was a member of the Beta Alpha chapter of Kappa Alpha Order while attending MSM-UMR, †Dec. 23, 2004

William T. Kratzer, former Rolla resident, long-time UMR staff member and husband of Teri (Pace) Kratzer, Hist'76, †Dec. 15, 2004

Millicent Lee, wife of Ralph E. Lee, MS Phys'49, †Dec. 21, 2004

Charles Likely †Dec. 2, 2004

Brady McCall †Jan. 14, 2005

Carolyn Mooney, wife of Edward W. Mooney, ME'50, †Dec. 25, 2003

Majdi Y. Najm, former adjunct professor of engineering management at UMR, †Dec. 20, 2004

Nina Ridley, wife of Robert P. Ridley, PetE'40, †May 26, 2003

Lorraine Stopkey, wife of Waldemar D. Stopkey, CE'52, †Nov. 2, 2004

Helen Tankersley, wife of James H. Tankersley, CE'52, †Jan. 24, 2004

Edgar G. Timm, †Feb. 13, 2005

Ryan C. Trotter, a junior in mechanical engineering at UMR, †Feb. 4, 2005

Aileen Warfield, wife of Raymond A. Warfield Jr., MetE'50, and mother of Melissa Warfield, Math'88, †June 8, 2004

Millie Weinbaum †April 26, 2004

1934



Ernst B. Stolle, ME, was a member of the Rifle Squad while attending MSM-UMR. †Oct. 12, 2004

1938

Clarvel R. Curnutt, EE, was a member of AIEE and the Radio Club while attending MSM-UMR. He enjoyed traveling and fishing and worked as an engineer for General Dynamics until his retirement in 1975. †Dec. 31, 2004

1941

Merlyn J. Block, EE, was a brother to Harold Block, EE'44. †Oct. 24, 2003

John H. Dunn, MinE, was a member of AIME, Shamrock Club and the MSM Band while attending MSM-UMR. Dunn served as a major in the Army Air Corps from 1941-45. Following World War II, he worked with the U.S. Geological Survey in California before retiring in 1975. †March 23, 2004



Michael M. Henning, MetE, was a member of AIME, Blue Key and the Miner Board while attending MSM-UMR. He was a plant manager and marine manager for Universal Atlas Cement, a division of U.S. Steel. †Nov. 29, 2004

1943



Earl E. Biermann, ME, was a member of the Engineers Club, the swim team and the intramural sports program while attending MSM-UMR. He retired from the Naval Surface Warfare Center, Dahlgren, as a mechanical engineer. Biermann was active in the MSM-UMR Alumni Association, hosting many section events in his home with wife, Olga. In 2000 he received the association's Frank Mackaman Volunteer Service Award. †June 26, 2004

Harold R. Hill, MinE, was a member of Sigma Nu while attending MSM-UMR. †May 9, 2004



Leonard N. Larson, CerE, MS CerE'47, was a lifetime member of Tau Beta Pi. He served with the Army Air Corps in the Pacific Theater during World War II and retired from the Air Force

Reserve as a lieutenant colonel. Larson traveled worldwide as a consultant for American Standard Co., retiring as manager of its New Orleans vitreous china plant in 1986. †Dec. 28, 2004

1944



Harold S. Block, EE, was a member of AEEE and was on the Honor List while attending MSM-UMR. He was the brother of the late Merlyn Block, EE'41. †Dec. 25, 2004

James D. Gostin, ME, was a member of the Engineers Club and ASME and was on the Honor List while attending MSM-UMR. †Jan. 8, 2005

1946

Eric M. Casey, NDD, †Feb. 15, 2005

1947



Elmer W. Belew, CE, was a member of Chi Epsilon, Kappa Sigma, Student Council, Engineers Club and Circle Club while attending MSM-UMR. He worked for Sam Kraus Construction Co., Bi-State Development Agency and retired from Creve Coeur, Mo., public works in 1987. Belew was a member of Engineers Club of St. Louis, the Missouri Society of Professional Engineers and the American Society of Civil Engineers. †Feb. 14, 2005

1948

Theodore Dziemianowicz, ChE, CerE'49, was a member of Sigma Pi, Alpha Chi Sigma, Student Council and AIChE, was on the Honor List and worked as a student assistant in the chemical engineering department while attending MSM-UMR. †Nov. 5, 2004



Harold G. Moe, CE, was a member of Tau Beta Pi, Engineers Club, ASCE, Student Council, St. Pat's Board, the Miner Board, Tech Club, Blue Key and the swim team and was on

the Honor List while attending MSM-UMR. He co-founded Ahlers, Moe and Associates and was a member of the Ohio Society of Professional Engineers. Moe was active in the alumni association and the scholarship committee. An MSM-UMR scholarship has been set up in his name. Contributions may be sent to the MSM-UMR Alumni Association. †Nov. 27, 2004

1949



John J. Ratcliff, CE, was a member of Pi Kappa Alpha, the St. Pat's Board and the Miner Board and was on the Honor List while attending MSM-UMR. During World War II, he served with the

86th Black Hawk Infantry Division, the 5th Armored Division's 46th Infantry Battalion, and the Battle of the Bulge. His career began with the Frisco Railroad, which merged with Burlington. He retired in 1986. †Jan. 20, 2005



Robert L. Root, MinE, was a member of AIME, was on the Honor List and worked as a student assistant while attending MSM-UMR. A World War II veteran, he worked in mining

throughout the United States and spent three years in Australia. Root was an avid supporter of Ducks Unlimited and Quail Unlimited.

†Jan. 14, 2005

Jack G. Weiss, NDD, †Oct. 10, 2004

1950



John P. (Jack) Cavanaugh, MinE, was a member of AIMME while attending MSM-UMR. He served in the Army from 1943-46. †Dec. 13, 2004



Bernard M. Enfield, CE, was a member of Pi Kappa Alpha, SAME, ASCE and the Miner Board while attending MSM-UMR. He was a civil engineer and director of safety for the

Chicago Bridge and Iron Co., and for 28 years owned Safety and Training Associates, a consulting firm. †Dec. 8, 2004

1951

Melvin E. King, ChE, was a member of Tau Beta Pi and AIChE and was on the Honor List while attending MSM-UMR.

†May 24, 2003



F. Earl Linkogle, ME, was a member of Alpha Phi Omega and ASME while attending MSM-UMR. He retired as chief mechanical engineer from the Panama Canal Commission, where he

worked from 1975-86. A Marine Corps veteran, Linkogle served in the Pacific Theater during World War II and the Korean conflict. †Dec. 3, 2004

Erich Sarapuu, PhD MinE, was a retired president of Bio-Electrics. †Dec. 15, 2004



Roman H. Wellington, MinE, was in the U.S. Army from 1941-45 and continued active reserve duty until 1953. Wellington was a mining engineer for Kennacott Copper and

was a civil engineer for Bechtel Corp. †Dec. 8, 2004

1956



Carl L. DeWitt, CE, was a member of Tau Beta Pi, Chi Epsilon, ASCE and the Engineers Club while attending MSM-UMR. Carl served in the U.S. Army Reserve attaining the rank of

captain. He worked 29 years for the Illinois Department of Transportation and was the maintenance bureau chief in Carbondale, Ill., until his retirement. †Feb. 7, 2005

1957



Robert C. Helm, PetE, was a member of the Tech Club and "M" Club and was on the football team while attending MSM-UMR.

He retired from the Internal Revenue Service in Houston, where he served for 20 years as a petroleum engineer. †Dec. 24, 2004

1958

John O. Buchanan, CE, †Sept. 22, 2004



Curtis Eugene Weddle, MS CE, earned a bachelor of science degree in civil engineering from Oklahoma A&M College in Stillwater, Okla., before attending MSM-UMR. As a student,

he was a member of Tau Beta Pi and Chi Epsilon honorary engineering fraternities. A naval aviator during World War II, Weddle was a member of the Army ROTC. He was active in the Boy Scouts of America, serving as leader from 1966 to 1984 and received the Silver Beaver Award. Weddle was project engineer for the U.S. Army Corps of Engineers from 1957 to 1994. He worked as a professor of civil engineering and was a registered professional engineer.

†Jan. 29, 2005

1959



Jon T. Langstaff, MinE, was a member of Kappa Alpha, AIMME and the Canterbury Club while attending MSM-UMR. He worked for Hecla Mining Co. for 35 years, honing his

skills as geologist, rock mechanics engineer and later, as personnel manager. Langstaff retired from Hecla in 2000 as vice president of human resources. †Feb. 20, 2005



Victor F. Spruill, CE, MS CE'64, was a member of ASCE and the Canterbury Club and was on the Honor List while attending MSM-UMR. He was a professor of building construction at the

University of Florida and a retired lieutenant colonel in the U.S. Army. †Dec. 31, 2004

1962



Ray E. Busch, ChE, was a member of the Engineers Club and ASCE and worked as a student assistant in the chemical engineering department while attending MSM-UMR. He was a

chemical engineer for 34 years with BASF in Washington, N.J. †Aug. 1, 2004



Larry J. Nanney, EE, MS EE'67, was a member of Eta Kappa Nu, Kappa Mu Epsilon, AIEE-IRE, Shamrock, Silver Key and Independents and was on the Honor List while

attending MSM-UMR. †Dec. 22, 2004

1964



Danny R. Crutcher, EE, was a member of IEEE, Independents and the Prospectors Club while attending MSM-UMR. He was a member of the Webb City, Jasper County and

Missouri Historical Societies and the Webb City Genealogical Society. He was an avid supporter of Webb City athletics and was employed with Eagle-Picher Industries of Joplin, Mo. †Feb. 1, 2005

1965

Roger W. McAllister, Phys, was a member of Chi Alpha, Glee Club, ROTC Band and Engineers Club and was on the Honor List while attending MSM-UMR. He worked for Boeing and IBM and later started his own software company, McAllister Software Systems. †Sept. 10, 2004

1969



Charles G. Marvin, EMgt, was a member of the Engineers Club and the Independents while attending MSM-UMR. †Dec. 24, 2003

1972

Jack R. Beebe, Psyc, †Dec. 10, 2004

1974

Thomas R. Hayes, MS EMgt, †Nov. 23, 2003

1976

Lewis A. Ruesler, EMgt, †Nov. 6, 2004

1977

Philip L. Kendrick, EMgt, †July 19, 2004

2004



Jonathan L. Hardin, EE, was a member of Sigma Pi while attending UMR. He worked for Ameren in St. Louis as an associate engineer. †Dec. 14, 2004

Kevin W. Shank, ME, was a member of the Formula SAE Team and graduated magna cum laude. †Feb. 3, 2005

Corrections:

The photo used with Harold Telthorst's memorial in the spring *Alumnus* (page 53) was incorrect. That photo was of Ed (Edgar) Telthorst, ME'49, a fellow Kappa Sigma brother, who died in 1995. **Harold M. Telthorst**, CE'49, pictured above, was a member of Kappa Sigma, Theta Tau and the St. Pat's Board while attending MSM-UMR. He spent his working years in cement and asphalt industries and highway construction and was a fellow in the American Society of Civil Engineers. †April 8, 2004



The photo used with Richard N. Harrison's memorial in the spring *Alumnus* (page 53) was incorrect. That photo was of Robert M. Harrison, CE'50 who died in 1997. There is no photo available of Richard Harrison. **Richard N. Harrison**, CE, was on the Honor List and was a student assistant in the civil engineering department while attending MSM-UMR. †Nov. 20, 2003

POLICY for publishing Alumni Notes

- We are happy to announce weddings, births and promotions, after they have occurred.
- We will mention a spouse's name if it is specifically mentioned in the information provided by the alumnus/alumna.
- The *UMR Magazine* will announce deaths, if information is submitted by an immediate family member, or from a newspaper obituary. Notification of deaths that have occurred more than two years before the date of publication will not be published unless a special request is made by a family member.
- Obituary information on alumni spouses will be printed only if the alumnus/alumna specifically requests that we print it.
- We will print addresses if specifically requested to do so by the alumnus/alumna submitting the note.
- We reserve the right to edit alumni notes to meet space requirements.
- We will use submitted photos as space permits.



Photo by Jack Randall Photography

Richard & Marilyn Vitek

Marilyn and Richard "Dick" Vitek

Richard "Dick" Vitek, MS Chem'58, would not have been able to attend UMR if not for the financial benefits he received through teaching and research assistantships. Realizing the importance of such programs, Vitek now works to ensure those same benefits will be around for future generations of UMR students.

As a graduate student, Vitek was impressed by the hands-on education he received in his laboratory courses. "It was phenomenal because of the personal relationships the professors developed with me as well as with the other students," he says. "They wanted us to succeed in every way and be more than satisfied with what we accomplish through our educational experiences."

On a trip through Rolla in 1980, Vitek stopped to visit the campus and take a walk through Schrenk Hall.

What he saw astounded him.

The laboratories were in disarray. "There were parts of instruments scattered all over the place and then – department chair Oliver Manuel explained that they had to raid two or three instruments to keep one going," Vitek explains.

"The stockroom was poorly equipped, there was a lack of glassware, equipment and a lack of chemicals. Morale was low because they had no funding."

Over the next year, Vitek kept in contact with Manuel and Dr. **H. Neal Granneman**, Chem'61, who was chief pathologist at Phelps County Regional Medical Center, and they formed the Foundation for Chemical Research (FCR).

The three solicited funds from chemistry alumni for the FCR, which has raised several million dollars over the years for scholarships, purchase and repair of laboratory equipment, and support of faculty publications and attendance at conferences.

Since that fateful 1980 visit, Vitek comes back to campus at least twice a year and is now the immediate past president of the Board of Trustees. He contributes to a general UMR fund and the MSM-UMR Alumni Association. Several years ago, Vitek also established a scholarship for graduate study in chemistry.

This spring, Vitek and his wife, **Marilyn**, established a chair in the UMR chemistry department to focus on analytical

and environmental chemistry and biochemistry. It will help draw together the departments of chemistry, biological sciences and biological engineering.

"Giving back to MSM-UMR by way of a chair in biochemistry culminates my lifelong career that started at MSM and expanded into chemical analysis, environmental contaminants and biochemistry," Vitek says. "This chair brings all these disciplines together to help meet tomorrow's needs in protecting our valuable resources from further environmental pollution and to make new scientific breakthroughs in medical care."

Vitek is the founder and retired chair and CEO of FOTODYNE Inc., the first company to manufacture laboratory instruments for DNA research. He used his expertise in thin-layer chromatography and electrophoresis to produce equipment for the separation, ultraviolet visualization and analysis of DNA. Throughout his career, he formed several other scientific subsidiaries. He retired in 2002.

The Viteks live in Dana Point, Calif.

UMR

UNIVERSITY OF MISSOURI-ROLLA



HOMECOMING 2005

ROLLA ★ ROUNDUP

SEPTEMBER 29 THRU OCTOBER 2, 2005

See pages 28-35 for details