



Spring 2003

## Missouri S&T Magazine Spring 2003

Missouri S&T Marketing and Communications Department

Miner Alumni Association

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A black and white portrait of George E. Ladd, an older man with a mustache, wearing a suit and tie. The portrait is the background for the entire page.

# MSM-UMR ALUMNUS

A PUBLICATION OF THE MSM-UMR ALUMNI ASSOCIATION

SPRING 2003 VOL. 77, NO. 1

'Hell,  
I Saved  
the  
School'

**George E. Ladd**  
Director of MSM 1897-1907

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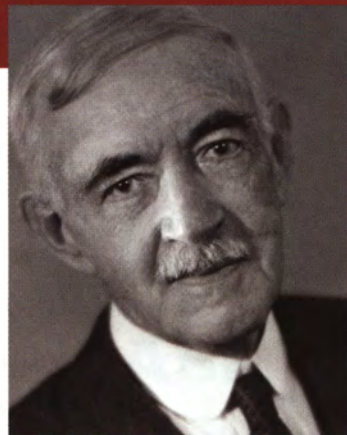
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# MSM-UMR ALUMNUS

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SPRING 2003 VOL. 77, NO. 1



feature **4-9**

## 'Hell, I Saved the School'

George E. Ladd, director of MSM from 1897 to 1907, took a college that was little more than "a country academy," and turned it into a first-rate technical institution.

*IN THE NEXT ISSUE:*

## UMR: AN ECONOMIC ENGINE

UMR may be the smallest campus in the University of Missouri system, but it is an economic engine in the Missouri economy. UMR generates income and jobs for the local and regional economies, and our graduates are the lifeblood of the much-touted "knowledge-based economy" the state is trying to move toward. Read all about UMR's impact on the state economy — and beyond — in our summer issue.

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### MOVING? MAKE SURE YOUR ALUMNUS GOES WITH YOU!

If you're moving, don't forget to send us your change of address, so you don't miss an issue of your alumni magazine. Send address corrections to: Records, 112-A Campus Support Facility, University of Missouri-Rolla, Rolla, MO 65409-1320

# 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.

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## FROM THE EDITOR'S DESK

**Andrew Careaga**

news and features



The issues sound as though they were ripped from yesterday's headlines: A campus struggling with enrollment and high drop-out rates. State budget problems. Concerns about academic reputation. The possibility of a campus closing.

But the story of George E. Ladd and how he confronted those issues is not yesterday's news. The tale began more than a century ago.

Ladd, who became MSM's director in 1897, inherited a litany of administrative problems, including the aforementioned. The campus in those days was known more as "a country academy" than a first-rate technological institution. The president of a competing university even went so far as to call MSM "unworthy of being called a mining school." Ladd himself put a bleak spin on the situation. "The outlook was dark!" he said. "The School had been in existence twenty-six years, and as far as growth and development were concerned, it was scarcely better off than in 1871."

That may sound like a harsh assessment. And it was. But as Larry Gragg, professor and chair of history at UMR, points out in our cover story, Ladd "often portrayed the situation as bleak as possible to embellish the magnitude of his accomplishments." But Ladd, a tall and imposing figure well known for his boasting, also backed up his words with corresponding deeds. During his decade at MSM's helm, Ladd did much to improve the campus. He also took on the task of courting legislators and initiated a statewide public relations campaign to increase the campus's visibility. Although his tactics — especially his approach toward state politicians — would not pass muster today, and while his claims of saving MSM may be more spin than substance, perhaps we can learn something from this brash and colorful leader.

***During his decade at MSM's helm, Ladd did much to improve the campus. He also took on the task of courting legislators and initiated a statewide public relations campaign to increase the campus's visibility.***

## CORRECTION:

In our winter 2002 issue, the feature about new alumni association president **Zeb Nash** incorrectly stated his degree as being in civil engineering. Nash earned a bachelor of science in chemical engineering from UMR in 1972. The *Alumnus* staff regrets the error.

*We welcome your comments and suggestions for your MSM-UMR Alumnus. Letters to the editor may be addressed to: UMR Publications, 1870 Miner Circle, University of Missouri-Rolla, Rolla, MO 65409-1520, by fax at (573) 341-6157, or email at [alumni@umr.edu](mailto:alumni@umr.edu). We reserve the right to edit letters for length as space allows.*



Photo by Alex Heizer/Web Communications

## CASE kudos and national awards

The same creative team that helps put together this magazine has been winning both regional and national awards recently.

Regionally, UMR's public relations, publications, video communications and web communications offices — all four housed in UMR's Division of University Advancement — won six awards from the Council for the Advancement and Support of Education during the CASE District VI annual conference held in Kansas City, Mo., in January. The awards were:

- A Gold Award to the public relations office for Excellence in Institutional Relations, Media Placements on a Single Topic, for news releases about Delbert Day's research with glass beads to treat liver cancer.
- A Silver Award to the public relations office for Excellence in Institutional Relations, Overall Media Placement Program.
- A Bronze Award to the publications office for Excellence in Writing, Brochure Copywriting, for a student life brochure.

- A Bronze Award to the UA web communications office for Excellence in Multimedia, Single Web Page, for the redesigned UMR Extranet website ([www.umar.edu](http://www.umar.edu)).

- A Bronze Award to the video communications office for Excellence in Multimedia, CD-ROM (UMR's entry was actually a DVD, titled "It's Your World — Jump In," created for the geology and geophysics department).

The four offices also won the runner-up for the Sweepstakes Award in the enrollment division of 3,000-5,000 students. "The Sweepstakes Award is a tremendous honor given to the institution that wins the most awards in one of four enrollment categories," says Connie Eggert, vice chancellor for University Advancement. The UMR entries were among more than 900 received from colleges, universities and independent schools in Missouri, Colorado, Iowa, Kansas, Nebraska, North Dakota, South Dakota and Wyoming.

Nationally, UMR's publications, video communications and web communications offices won six awards in the 18th Annual Admissions Advertising Awards, sponsored by Admissions Marketing Report.

- The publications office won a Silver Award for Newspaper Advertising/Single Ad for its "Louie Ad" and a Merit Award for Search Pieces for the UMR international viewbook.
- The video communications office won a Bronze Award for Television Advertising/Series for its admissions commercials and two Merit Awards: one in the Television Advertising/Single Spot category for the engineering management master's degree TV commercial, and one in the Video Viewbook category for "It's Your World — Jump In!" DVD for the geology and geophysics department.
- The web communications office won a Bronze Award in the Internet/World Wide Web site category for the UMR Extranet website.

# 'Hell, I Saved the School'

***How George E. Ladd, one of MSM's most flamboyant directors, led the institution out of "the bog of country academyism"***

by Larry Gragg (lgragg@umr.edu)

Images in this article are from *In and About the Missouri School of Mines: The Photography of George E. Ladd*

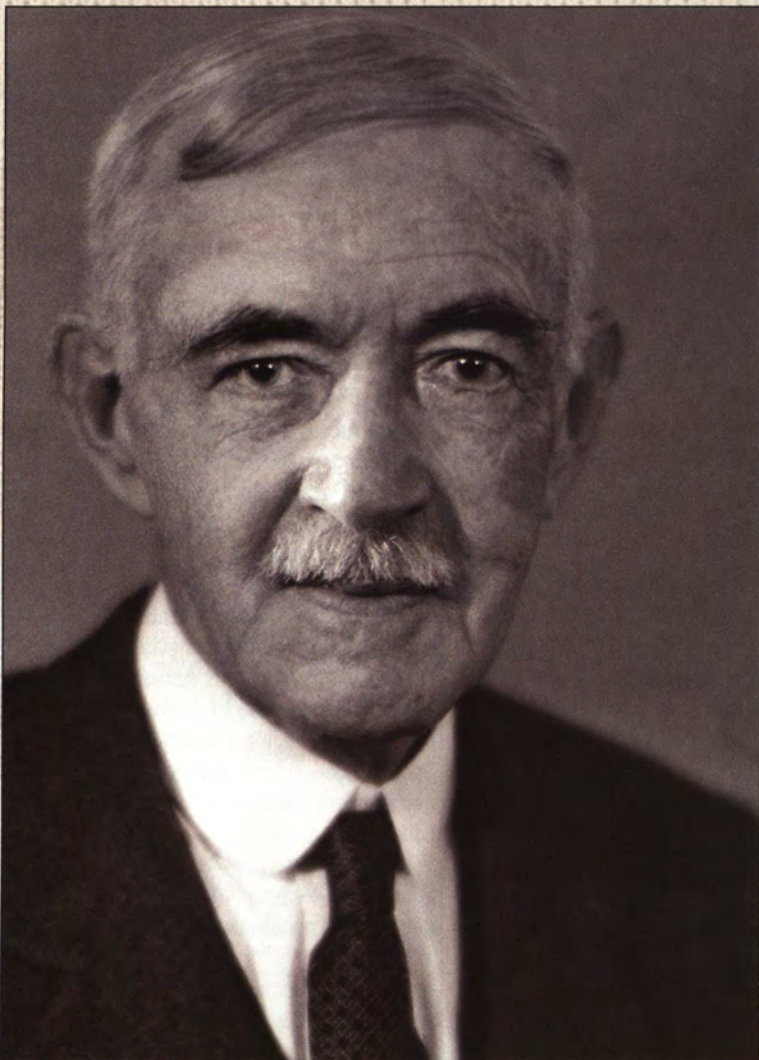


Photo by Beidler-Viken, Manhasset, N.Y. 1937/courtesy of UMR Archives

In 1938, George E. Ladd, who had served as director of MSM between 1897 and 1907, came across a short history of the institution's first few decades. When he scanned the paragraphs dealing with his years as director, Ladd found precious little evidence of his contributions. In a letter to Ray Rucker, then president of the MSM Alumni Association, an angry Ladd asserted, "Hell, I saved the School." Never one to hide his accomplishments or his sacrifices, Ladd portrayed himself as a virtuous champion of MSM and the community. "I made it great in all respects," he wrote, "and I made the town livable and incredibly improved through my influence and direction. All of this and much more, I accomplished through indomitable will, sacrifice of my personal interests, and always jeopardizing my position."



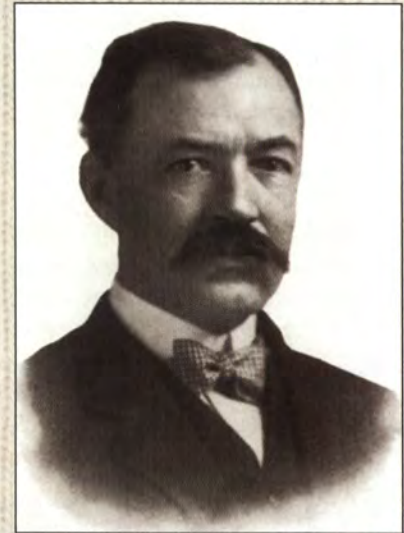
DORMITORY.

For I, who hold sage Homer's rule the best,  
Welcome the coming, speed the going guest.—Pope, *Satire II*



CLASS IN QUANTITATIVE ANALYSIS, AT WORK.

Our truth discovered is universal.—Hight



Ladd took a college which was described as “unworthy of being called a mining school,” one which was little more than “a country academy,” and turned it into a first-rate technological institution.

There is no doubt about Ladd’s bluster, but as the great 20th century philosopher Dizzy Dean said, “It ain’t braggin’ if you can back it up.” George Ladd certainly could look back upon a decade of remarkable accomplishments serving as the head of MSM. He took a college which the president of the Michigan School of Mines described in 1897 as “unworthy of being called a mining school,” one which was little more than “a country academy,” and turned it into a first-rate technological institution.

Born in Haverhill, Mass., in 1864, Ladd attended Harvard University, where he received three degrees, including a Ph.D. in geology, and where he had the good fortune to study with Nathaniel Shaler, the nation’s leading geologist. Following his graduation in 1894, Ladd pursued further study at the University of Munich. While completing his graduate studies, Ladd taught an occasional course at Harvard and served as assistant geologist in both Texas and Missouri and for the U.S. Geological Survey.

When MSM offered him the position of director, Ladd was employed as assistant geologist and chemist for the Georgia Geological Survey. Upon his arrival in Rolla, Ladd and his wife, Mary, had four children.

An imposing figure at 6 feet, 2 inches tall, Ladd impressed all as a vigorous and dynamic leader. He admitted that as a young man he was “wilful, quick-tempered” and “inclined to be rebellious,” all traits he continued to display as director. A resolute man, Ladd did not tolerate opposition. For example, over a unanimous student vote, Ladd appointed someone they did not want as a professor of chemistry. He demeaned those who opposed him. Ladd labeled one Rolla clergyman a “vicious, hypnotized, half-wit tiny-church preacher.” He described other opponents as “chronic grouches,” “pigmies” and “selfish, small, petty” men. He believed that those who disagreed with him were “unscrupulous” and engaged in “treachery.” He saw enemies everywhere: his “bosses at Columbia” and a host of “harassing, rule-or-ruin, self-seeking enemies in Rolla.” He often diminished the role others played in the successes of MSM while he was director and easily became indignant when observers failed to give him the credit he believed he deserved.

This man with a large ego who seemed always engaged in improving MSM nonetheless had many diversions. Ladd enjoyed hunting and

*(continued on page 6)*





FOOT BALL TEAM.

Ah, what avail the largest gifts of heaven when drooping  
health and spirits go amiss.  
How tasteless then whatever can be given;  
Health is a vital principle of bliss,  
And exercise of health. *Thompson.*

mountain climbing, playing billiards and whist, and smoking cigars and telling “dirty” stories. Fortunately, he was an avid photographer and is responsible for many of the photos displayed in an exhibit in the Leach Theatre Lobby of Castleman Hall during the 2000-2001 academic year.

## Arrival in a backwater

**Rolla represented quite a culture shock** for Ladd on his arrival in fall 1897. There were about 1,600 people in a town with no running water and no sanitary sewer system. There were two banks, a building and loan company, two hotels, five boarding houses, two restaurants, and about 50 other retail establishments, including seven saloons. Nine churches provided religious care for the residents and there were nearly two dozen professionals — physicians, dentists, and lawyers. The public schools accommodated an ever larger student body, over 10 percent of whom were black students attending the segregated Lincoln School

located at First and Pine streets. The community did have electric streetlights, and telephones were being installed with long-distance connections to area towns. Still, it seemed a real backwater place to Ladd.

The Missouri School of Mines he had agreed to direct had a small, poorly maintained campus with few students. Bounded by 11th, Main, 14th and State streets, the campus had only four buildings: the Rolla Building, the campus’ original structure; a chemistry laboratory; a mining and metallurgical laboratory; and a student dormitory which became the director’s (and now chancellor’s) residence during Ladd’s tenure. The latter building was not being used, and the exterior walls of both the Rolla Building and the Mining Building had serious cracks. The buildings were lit by gas from a tank buried in back of the chemical laboratory. Most water for the campus had to be hauled from the nearby Frisco stock pond. With no sanitary sewer system available, all had to use the frame toilets located on the west side of the campus. The only attractive feature of the campus was its nicely graded and trimmed lawn “surrounded by a neat stone wall surmounted by a low iron fence.”

Besides Ladd, there were only eight faculty members who provided instruction for 115 students, 11 of whom were women. While MSM had seen



VIEW IN LIBRARY.

All that mankind has done, thought, gained or been.....is lying as in magic preservation in the pages of books. They are the chosen possessions of men.—Carlyle.

During Ladd's first semester in Rolla, the Board of Curators considered abolishing instruction of civil engineering and English at MSM, but the motion failed to get majority support.



STUDENTS WORKING IN ORE-DRESSING AND METALLURGICAL LABORATORY.

Surely there is a vein for silver and a place for gold where they find it.—Abb.

enrollment increase by more than 40 students in only two years, most of the students attending did not complete their degree requirements. In the four years preceding Ladd's arrival the school awarded fewer than 10 degrees per year. The poor academic record contributed to a high turnover among faculty members, and those who remained often were divided by factional strife. Underlying these concerns was the constant fear that the university's Board of Curators would limit the courses offered at Rolla or move entire programs of instruction to the Columbia campus. Indeed, during Ladd's first semester in Rolla, the Board of Curators considered abolishing instruction of civil engineering and English at MSM, but the motion failed to get majority support.

While Ladd often portrayed the situation as bleak as possible to embellish the magnitude of his accomplishments, he accurately captured the nature of the challenge facing MSM upon his arrival.

"The outlook was dark! The School had been in existence twenty-six years, and as far as growth and development were concerned, it was scarcely better off than in 1871." MSM had "very little in the way of equipment; poor buildings; and an utterly inadequate income." Yet, this was the kind of challenge that determined men like Ladd relished.

The new director enthusiastically threw himself into an attempt to improve the campus. Improving its appearance, he believed, was an essential first step. Through his early years as director, Ladd had the lawns sown with Kentucky bluegrass and had Boston ivy vines planted to cover the buildings. The planting of masses of shrubs and white elm shade trees further enhanced the beauty of the campus. Then, there were the flowers. "In early spring," Ladd explained, "thousands of low-rising crocuses bloomed on the lawns, and in the late spring and summer the low stone wall that surrounded the old campus, was brilliant with blooms of massed nasturtiums."

## Wining and dining legislators

As important as a more aesthetically pleasing campus was in attracting attention and perhaps a few students for MSM, Ladd understood that most of his energy had to be spent on gaining the support of influential men in Rolla and around the state. Ladd quickly gained the support of two local men who



BLACKSMITHING.

In other part stood one who, at the forge, laboring, two massy clods of iron and brass had melted.—*Milton*.

remained key allies throughout his years in Rolla: Col. Charles L. Woods, the publisher of the *Rolla Herald*, and Luman Parker, attorney and solicitor general for the St. Louis and San Francisco Railroad. He established cordial relations with governors Lon Stephens and Alexander Dockery and several members of the university Board of Curators. But it was the members of the state legislature, the men responsible for providing funding for MSM, who attracted most of Ladd's attention. In his decade in Rolla, Ladd demonstrated a remarkable creativity in gaining their support for increased appropriations.

In 1901, Ladd, hoping to obtain funding for a new building, decided to bring the entire state legislature to Rolla to demonstrate the crowded conditions of laboratories. Certainly working through Luman Parker, Ladd persuaded the Missouri Pacific and Frisco railroads to provide free tickets on Pullman cars, and he called upon local businessmen to help pay for accommodations and meals for the legislators. He even paid for part of the trip out of his own pocket. He truly "wined and dined" the legislators. He ensured there was always plenty of food, and to enliven the train ride to Rolla, Ladd had two entertainment cars, one with plenty of whiskey, added to the train. After an overnight stay in the town's two hotels, the delegation toured the

campus and then Ladd had them assemble in the Chemistry building. Besides having students demonstrate a few chemical "stunts," such as freezing water on a red hot plate, Ladd had the entire student body attend the demonstrations to persuade lawmakers of the crowded conditions in the laboratories. As the delegation strolled to the mining and metallurgical laboratory, Ladd had the students quickly exit the chemistry building through the back door and race next door "so that when the senators and representatives came in this place was crowded, too!"

To gain newspaper support for MSM, and again put pressure on legislators for increased funding, Ladd wrote an article on the campus and persuaded Charles Woods to publish it in the *Rolla Herald* as an editorial. He purchased 300 copies of that issue and sent it to newspapers throughout the state, excluding those in the Columbia area. With each issue, Ladd sent \$5 and asked each editor to write an editorial on the value of MSM to the state and, if they were willing to do so, to send him as many copies of their papers as the \$5 would pay for. Dozens of editors from across the state complied, and editor Woods reprinted all their editorials in two special issues of the *Rolla Herald*. Ladd had these issues placed on the desks of all legislators as they considered appropriations for MSM.



DRAWING ROOM.

When we mean to build, we first survey the plot, then draw the model.—Shakespeare.



FIELD SURVEYING.

To fit the tower tall,  
The steps be graded,  
The mountain levelled.—Emerson.

**As the delegation strolled to the mining and metallurgical laboratory, Ladd had the students quickly exit the chemistry building through the back door and race next door “so that when the senators and representatives came in this place was crowded, too!”**

The tactics Ladd employed worked wonderfully. State appropriations for MSM more than tripled from 1897 to 1907. The increased funding permitted Ladd to enlarge the campus. In 1902, he bought the land bounded by 12th, Main, 14th and Pine, a purchase that increased the campus size by more than a third. The additional state funds also permitted Ladd to add two wings and a second floor to the chemistry building and to construct Mechanical Hall and Norwood Hall as well as two frame structures: a workshop and a gymnasium. To staff these new academic buildings, Ladd nearly tripled the number of faculty members. He was also able to recruit more students. By 1907 there were 210 students enrolled, an increase of more than 80 percent since his first year at MSM. Because he raised admissions standards, a higher proportion of them graduated. An ever-smaller percentage of the students came from south-central Missouri. Instead, as the campus recruited ever more widely, students from more than three dozen states and from almost a dozen nations were attending MSM in Ladd’s last year.

Ladd always took great pride in transforming an institution that “was stalled” in what he called “the bog of country academyism” into, according to a state legislative oversight committee, a school of mining and metallurgy that had “reached the highest standards of

excellence of any school of its character in the United States.” His successful promotion of the school rested in part on his talent as a photographer. Believing that publicizing the school was critical in attracting students, Ladd, along with professors Arthur Timmerman and Alexander Forsythe, began to take pictures of academic life at MSM. According to the *Rolla Herald*, Ladd photographed “various laboratories, pieces of apparatus and lecture rooms at the school ... for the sake of adorning a circular to be sent abroad, showing the buildings and equipment at the school.” He continued to pursue his hobby throughout his years in Rolla.

*Larry Gragg is chair of the UMR history department. This essay is published in its entirety on the UMR Archives website, [web.umar.edu/~archives/ladd.html](http://web.umar.edu/~archives/ladd.html).*

# Picturing 'The Old Town'

by Mary Helen Stoltz (mhstoltz@umr.edu)

Images reprinted with permission of G. Bradley Publishing Co.

## History may not be John Bradbury's middle name, but perhaps it should be.

Bradbury, Hist'74, is a senior manuscript specialist in the Western Historical Manuscript Collection, which collects and catalogs unpublished historical material for 54 counties in southern Missouri. The collection, housed in UMR's Curtis Laws Wilson Library, includes "everything from personal and business papers, war letters of Missourians in service, church records, photographs and miscellaneous historical papers," he says.

It's a job that fits Bradbury well. "I've been interested in local history all my life," he says. Bradbury's family moved to Rolla from Fort Leonard Wood, Mo., in 1957, when his father was assigned to the ROTC program at MSM. He retired in 1960 and the family stayed in Rolla. "Except for 10 years here and there," Bradbury has lived in Rolla ever since.

In November 2002, Bradbury combined his nose for history with his love for Rolla to publish *Rolla: The Old Town*, a collection of historical photos of downtown Rolla, including the UMR campus.

In addition to his own collection of postcards of Rolla, Bradbury relied primarily on two collections of

photographs: The Clair V. Mann collection in the UMR archives and the collection of the Phelps County Historical Society, where he serves on the board. (Bradbury has been active in the historical society for more than 20 years, serving as the co-editor and main contributor to the organization's newsletter for more than a decade. He also serves on the Old Courthouse Preservation Committee.)

More than 120 images of Rolla from 1860 through 1970 are reproduced on the book's glossy pages, many of which have never before been published. "Beginning in the 1960s and 1970s, the traditional business area has changed greatly and some formerly notable buildings are now gone," he says. "The photos appeal to folks who remember, as well as folks who just wonder what Rolla was like."

Of all the photos, Bradbury does have a favorite. "The Democrats for William Jennings Bryan parading on Pine Street, which had only recently turned up, was a nice discovery and made a great cover illustration."

On Nov. 16, Bradbury held a book-signing in the lobby of Phelps County Bank, one of the most significant historic structures still downtown. The bank, which is listed on the National Register of Historic Places, sponsored the book's publication.

The faculty and students of the Missouri State Normal School in Rolla, Mo., celebrated the opening of the new building. Hazing the freshman class, and sporting events became annual traditions. Only the building and the last two remain so today.



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School of Mines were vital components  
down Pine Street. St. Patrick's Day cel-  
brations were fixtures on the town's calendar. The



ROLLA: THE OLD TOWN



ROLLA: THE OLD TOWN

Not all residents were pleased with Rolla's fortunes during the  
Civil War, but the town actually prospered. After the war,  
Radical Party adherents were powerful enough to bring the Missouri  
School of Mines to Rolla. The institution first treated the upper  
floors of the Rolla Building in the northern suburbs of town, built in  
1871 by the Rolla Board of Education. The college acquired the  
building in 1875 after the school board experienced financial prob-  
lems. By 1889, the School of Mines campus included (from left to  
right in top photo): the dormitory, now the chancellor's residence,  
the chemistry building, and the Rolla Building. The chancellor's  
residence and Rolla Building still stand on the campus of the  
University of Missouri-Rolla.

This photograph from the top of the Edwin  
Long building shows the northwestern edge  
of the downtown business district, circa 1940.  
Then as now, the college campus dominated the  
skyline (from left to right: the Rolla Building, the  
powerhouse smokestack, and Norwood Hall).

In this view past the intersection of Tenth and  
Pine streets, Crumpler's Store had replaced  
Kroger (the latter had moved out on  
Kingshighway) on Pine, the A & P Grocery had  
opened on the northeast corner of Tenth, and the  
main thoroughfare boasted two signposts by the  
time this photograph was made in the early 1950s.



ROLLA: THE OLD TOWN

Photo by Claire Faucett/UMR Public Relations



UM President Elson Floyd at a press conference on the UMR campus in December.

# New UM President: CAMPUS NOT CLOSING

**“We are one university  
with four campuses”**

New UM President **Elson Floyd** wasted no time putting to rest rumors of a campus closing. Speaking to reporters on his first day on the job in January, Floyd said that closing a University of Missouri campus is not and never was an option for dealing with budget issues.

“I don’t think it ever was on the table,” Floyd told the *Columbia Daily Tribune*. “I think it was an example of the magnitude of the cuts being faced by the university.”

Floyd’s predecessor, **Manuel Pacheco**, said last summer that closing one of four campuses was an option if the state made further cuts to the university’s appropriations. Pacheco’s comments raised speculation that UMR might be chosen for closure. But Floyd downplayed both the closing option and Pacheco’s declaration.

“We are one university with four campuses,” he said.

## International partners

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### UMR WORKS WITH UNIVERSITIES IN ALGERIA, NAPLES

**UMR’s global outreach expanded last fall as the university entered into partnerships with universities in Algeria and Naples.**

Through a \$263,000 grant from the U.S. State Department, UMR is helping the Université Abou-Bekr Belkaid de Tlemcen (UABT) in Algeria update curriculum, develop new graduate programs in engineering and construction management, and develop Internet and distance learning programs. **Abdeldjelil “DJ” Belarbi**, associate professor of civil engineering, and **Scott Grasman** and **Can Saygin**, both assistant professors of engineering management, are coordinating the effort through the State Department’s North African Educational Partnerships Program. “Our goal is to help them adapt to the new economy model and management models as well as modern teaching

technologies,” says Belarbi. “UMR has a good reputation in engineering management in the United States. It just happens that developing countries, such as Algeria, lack this specialty.”

The other project involves an agreement between UMR and the University of Naples Federico II (UniNa) in Italy, where UMR’s **Antonio Nanni**, the Vernon and Maralee Jones Missouri Distinguished Professor of civil engineering, has already established research partnerships in infrastructure engineering. Last November, Nanni and other UMR officials traveled to Naples to sign a cooperative agreement that calls for the two schools to develop and implement a student and faculty exchange program, as well as an online degree program.



# A new discipline: interdisciplinary engineering

One of the problems with engineering education these days is its narrow focus. But a new effort at UMR will go a long way toward breaking down barriers between engineering disciplines. Aided by a \$100,000 planning grant from the National Science Foundation, UMR educators are creating an interdisciplinary engineering program.

The program allows students “to work as design engineers at the boundaries of two or more traditional engineering disciplines,” says **Robert B. Stone**, assistant professor of basic engineering at UMR and the project leader. Stone and his colleagues in basic engineering hope the program will grow into a new interdisciplinary engineering major at UMR.

“Today’s brightest engineering students prefer to have some control over the courses they take,” Stone says. “The proposed program takes this idea one step farther by allowing students to define a meaningful engineering program that bridges traditional departmental boundaries.”

The one-year NSF planning grant is supporting the development of coursework for the program. The degree would be the first of its kind in Missouri, and UMR would become one of the few colleges and universities in the nation to offer such a program. Possible emphasis areas for the program include energy systems and the environment, industrial automation and control, robotics and control, and product design.

Working with Stone on the project are fellow basic engineering faculty members **Nancy Hubing**, associate professor, and **Tim Philpot**, assistant professor.

Photo by Bob Phelan/Photomasters



## INTERDISCIPLINARY ENGINEERING PROGRAM

Associate Professor Nancy Hubing, center, works on a design project with UMR students, left to right, Mike Stock, mechanical engineering, Jamie Schroetlin, engineering management, and Matt Bohm, mechanical engineering.

## Boeing gift bolsters product innovation program

UMR’s plans to develop a state-of-the-art facility to teach students how to design, make and market products got a boost from Boeing Co., which presented a \$245,500 gift to the campus for the project. The gift is part of a \$645,000 pledge from Boeing for a new Product Innovation and Creativity Center at UMR.

**Robert Feldmann**, MS CSci’80, general manager of Boeing’s AV-8B (Harrier) and the T45TS Navy Trainer programs, presented this gift to UMR Chancellor **Gary Thomas** during a campus ceremony last November.



## Plans heat up for summer solar car race

*Solar Miner IV*, UMR's latest sun-powered racer, will take to the open road once again this summer in the American Solar Challenge, a cross-country race along old U.S. Route 66 from Chicago to southern California. This year's **ASC begins July 13 at the Museum of Science and Industry in Chicago and ends July 23 in Claremont, Calif.** Along the way, UMR alumni will have plenty of opportunities to see the car and visit with UMR Solar Car Team members. The team is planning special events in Chicago, Rolla, Albuquerque, N.M., and Claremont.

For more information about the team and plans, go to the team's website at [solar42.umn.edu](http://solar42.umn.edu) or contact the team via email at [solar1@umn.edu](mailto:solar1@umn.edu)

Photo by Bob Phelan/Photomasters



Cheryl Gordon-Farmer, far right, receives applause from her family during Family Day 2002. Her son, Robbie Gordon, far left, nominated her for the UMR Parent of the Year Award, which she received during the event.

## Parent, TA of the year named

Through courage and inner strength, **Cheryl Gordon-Farmer** of Crescent Springs, Ky., has overcome many obstacles in her life, including the tragic death of her first husband and a difficult second marriage. Now a nurse who also holds down a second weekend job, she supports two children in secondary school and two in college. One of her children is **Robbie Gordon**, a senior in electrical engineering, who nominated his mom for the UMR Parent of the Year Award. Gordon-Farmer received the award on Family Day, Oct. 19. "We have all gone to good schools, and have grown up to be people that will make a positive contribution to society, in spite of all that has happened in our lives," Robbie Gordon wrote in his nomination letter. "This would never have happened if it wasn't for her strength, courage and support."

The Parent of the Year Award is given annually by the UMR Parents' Association. Also on Family Day, the association presented its other annual award, the Outstanding Graduate Teaching Assistant Award, to **Srinivas "Jack" Jakkidi**, a teaching assistant in UMR's computer science department. Jakkidi is working on a master's degree in computer science at UMR. He also is a member of the UMR Solar Car Team. The award is based on student evaluations, and the recipient receives \$500 from the association.



Srinivas "Jack" Jakkidi

Photo by Rebecca Frisbee/UMR Publications

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**This is the last year for Kelly Green!**

ONLINE Research Brief

## Students plan a spin on NASA's 'vomit comet'

In hopes of finding ways to improve construction in space, eight UMR students will conduct reduced-gravity experiments on welding properties April 23 through May 3 aboard NASA's KC-135 aircraft, the "vomit comet" that doubled as a command module for Tom Hanks and other cast members during the filming of the movie *Apollo 13*.

**For the full story go online to [research.UMR.edu](http://research.UMR.edu)**



Grab a barf bag and take a seat. UMR students are planning to conduct near-zero-gravity experiments aboard NASA's KC-135, known informally as the "vomit comet."

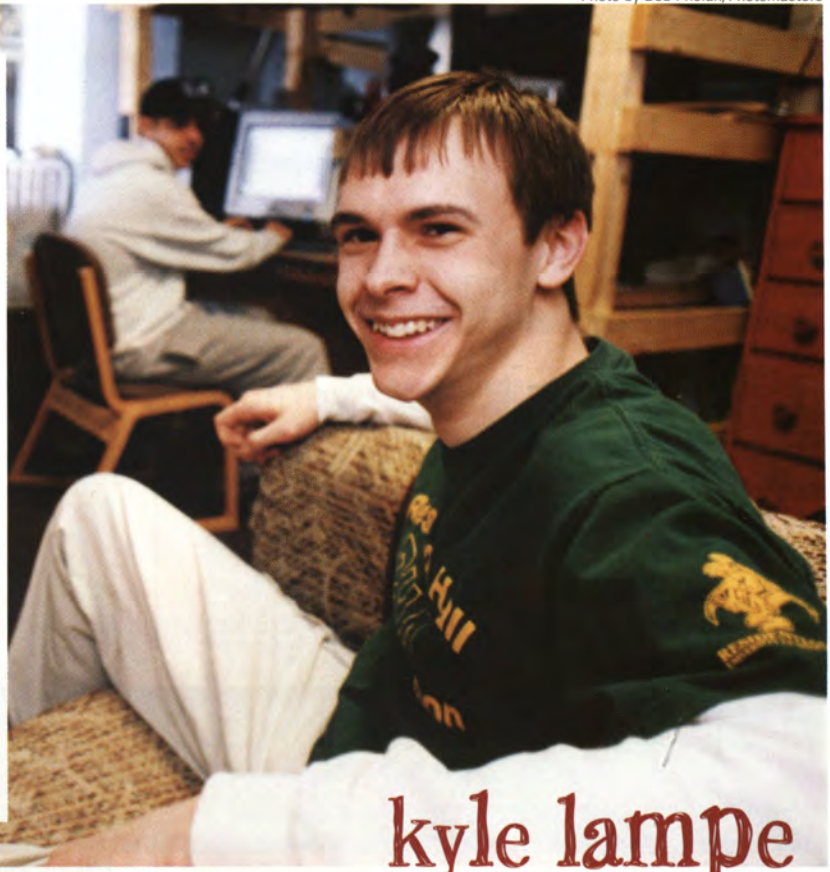
Campus Events - [calendar.UMR.edu](http://calendar.UMR.edu)

Photo by Bob Phelan/Photomasters

## Student wins residential life award

**Kyle Lampe**, a senior in chemical engineering from Clarinda, Iowa, and a resident of Thomas Jefferson Hall, won the National Residence Hall Honorary Member of the Year Award in November 2002 at the Midwest Affiliate of the College and University Residence Halls conference. Lampe has been involved in UMR's NRHH since 2001 and has served as president, vice president and treasurer of the organization.

Also at the conference, held at the University of Northern Iowa, UMR's NRHH chapter won the NRHH Chapter of the Year Award.



kyle lampe



Images courtesy of NASA

# SAFER SHUTTLES

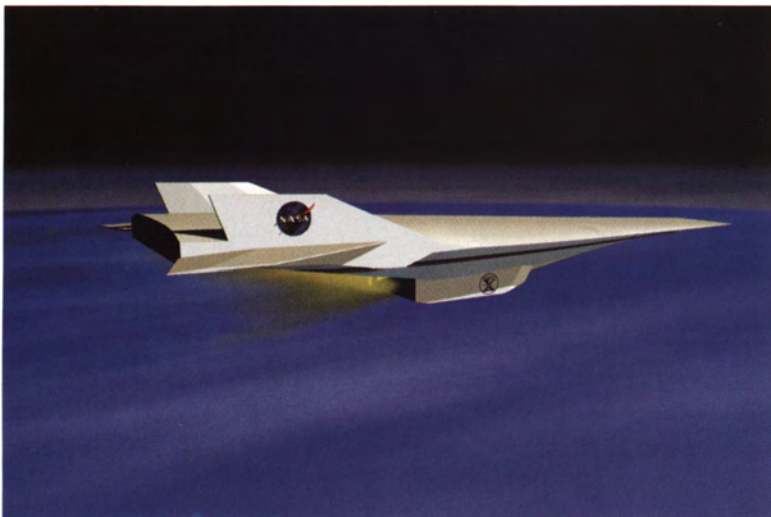
## UMR professors developing better tiles for future space vehicles

In the wake of the Feb. 1 space shuttle *Columbia* tragedy, the national media spotlight turned to a couple of young faculty members in UMR's ceramic engineering department. **Greg Hilmas** and **Bill Fahrenholtz** have just started work on a three-year, \$300,000 project for the U.S. Air Force to develop ultra-high-temperature ceramic tiles — tiles that also could be used on future space shuttles.

While news reporters were interested in whether such tiles would have prevented the *Columbia* disaster — some experts blamed the shuttle's disintegration on damage to some of the tiles that provide heat protection — Hilmas and Fahrenholtz explain that their project is focused on the future of the space program.

Future space launch vehicles — not necessarily the blunt-nosed shuttles of today — might have a sharp, pointed front and be more aerodynamic than the current shuttles, say the two assistant professors of ceramic engineering. Shuttles with pointed fronts would encounter even higher temperatures than the 2,300 degrees Fahrenheit currently encountered by the blunt-nosed shuttles, thus requiring even better, stronger ceramic tiles.

Although the UMR researchers' work is funded by the Air Force, NASA would benefit from their studies by applying the findings to plans for future space travel. In the days immediately following the *Columbia* tragedy, word of the researchers' work spread nationwide via various TV, print and Internet news sources.



Future space launch vehicles might have a sharp, pointed front and be more aerodynamic.

If you have any questions or comments about campus news articles, contact Public Relations at [news@umr.edu](mailto:news@umr.edu) or call 573-341-4328.



# Cold War cleanup

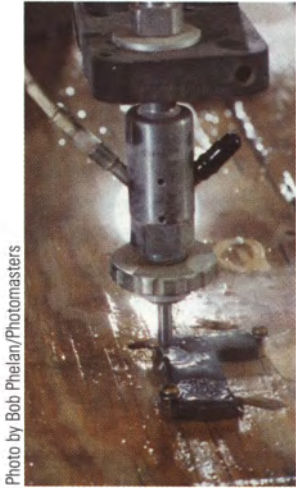


Photo by Bob Phelan/Photomasters

**UMR's waterjet technology evaluated for use in disassembling missiles in the Ukraine.**

**UMR researchers did their part to make the world a little safer in 2002 by helping Ukrainians disarm and dispose of some of that nation's Cold War-era armaments.**

Researchers from UMR's Rock Mechanics and Explosives Research Center and the High-Pressure Waterjet Laboratory spent several weeks in the Ukraine last summer and fall to show scientists there how to use waterjets to neutralize missiles that once were aimed at the U.S. and its European allies.

"We were subcontracted to train and supervise the Ukrainians on how to evaluate the safety of waterjet technology for the removal of the explosives and propellants from the missiles," says **Paul Worsley**, professor of mining engineering and one of the key researchers in the group.

With the use of a specially designed waterjet, the operator is able to disassemble the missile from a safe distance, Worsley says. After the missile – called an SS-24 – is disarmed, the casing is washed out and crushed. The propellant

then can be recycled by blending it with emulsion explosives and used in mining in the Ukraine. This method is more environmentally friendly than the traditional method of burning them, Worsley says.

With the ability to carry more than 10 nuclear warheads, an SS-24's range is more than 6,200 miles, Worsley says. Production of the missiles ceased in 1991. More than 50 missiles have been disarmed during the course of this project.

"The sum of rockets that are being dismantled and destroyed on this single project had the capability of destroying every major U.S. city, over 2 million people per city, and wiping out more than half of the United States population," Worsley says.

Working with Worsley on the project were **David Summers**, Curators' Professor of mining engineering and director of UMR's Rock Mechanics and Explosives Research Center (RMERC); **John Tyler**, research engineer for RMERC; **Bob Fossey**, research specialist for RMERC, and **Scott Parker**, senior laboratory mechanic for RMERC.

## Academic departments reflect broader missions with new names

Three academic departments at UMR have new names as a result of their broadening emphasis areas:

- UMR's chemical engineering department is now the **department of chemical and biological engineering**.
- UMR's civil engineering department is now the **department of civil, architectural and environmental engineering (CAEE)**.
- UMR's economics department is now the **department of economics and finance** and has moved from the College of Arts and Sciences to UMR's newest school, the School of Management and Information Systems.

## A Time-ly invention



Photo courtesy of Bob Fossey

Among the whiz-bang gadgets featured in *Time* magazine's listing of 2002's best inventions was a small, tank-like contraption designed to wash away land mines. Invented by researchers in

UMR's High-Pressure Waterjet Laboratory, ELADIN (which stands for Eliminating Landmines by Aqueous Detection Identification and Neutralization) was featured in the Nov. 18 edition of *Time* as one of the magazine's Best Inventions for 2002.



# Tailor-made for anti-gravity



**UMR Professor Emeritus Xavier Avula has developed a mathematical theory which will help optimize the design of anti-gravity suits and increase their effectiveness.**

**Suitmaking is rarely considered a mathematical endeavor.**

Yet mathematical modeling seems tailor-made to at least one type of suit, as a UMR professor emeritus recently demonstrated. **Xavier J. Avula**, professor emeritus of mechanical and aerospace engineering and engineering mechanics, has developed the mathematical model that shows how anti-gravity suits work. The suits are worn by fighter pilots and rely on buoyancy to protect the pilots from the effects of high acceleration.

“I have shown mathematically and computationally that the blood accumulated in the lower part of the body during high-performance aircraft maneuvers can be lifted by external submergence,” says Avula. He adds that high accelerations and tight turning capabilities of modern fighter aircraft exert forces of up to 12 times greater than normal gravity. Pilots cannot tolerate this unaided.

High gravity forces push the pilot’s blood supply down the body to the legs and feet, drawing it away from the brain. This results in impaired vision, lightheadedness and even loss of consciousness, says Avula.

Body suits lined with liquid bags, called “liquid muscles,” ward off the effects that high acceleration has on the body. These liquid-filled anti-

gravity suits simulate the body’s natural buoyancy when submerged in water. The suits respond in a self-regulating fashion to the change in pressure and apply external pressure to the lower extremities of the body, shifting the blood back to the upper regions, maintaining much-needed circulation in the brain.

Using the nonlinear theory of large deformations, Avula developed the mathematical model that describes how the liquid-filled suits work and identified the design parameters for the suits. He presented his findings at a Safety and Flight Equipment conference in Sweden in March 2002 and to the U.S. Air Force-sponsored panel on foreign comparative testing at the 2002 SAFE conference last October in Jacksonville, Fla.

“This mathematical model will enable the (anti-gravity pressure suit manufacturing) company to utilize these with the necessary design parameters for the improvement of the suit,” says Avula. “The problem with the current suit is that the liquid in it does not make full contact with the skin, which decreases its effectiveness and does not take into consideration other creative configurations that enhance its performance. This mathematical theory will help optimize the suit’s design and increase its effectiveness.”

## ONLINE Research Brief

### Fuel cell research could bolster president’s energy program

President George Bush’s plans to pump more federal funding into the development of hydrogen-powered vehicles, as outlined in his State of the Union Address, is good news for researchers at UMR, who are working to develop cheaper, more efficient fuel cells similar to those that may one day replace the internal combustion engine.

**For the full story go online to [research.umn.edu](http://research.umn.edu)**

## A black-and-white approach to cleaning paper

That clean, white piece of paper in your laser printer is the product of a not-so-clean process. But a UMR researcher is hoping to change that by improving the way paper-makers make black and white liquor. No, we're not talking about white lightning, or black label. We're talking about the chemical mixtures — called "liquors" — used in the paper-making process.

**William Headrick**, CerE'91, PhD CerE'00, a post-doctoral fellow in ceramic engineering, is looking at ways to develop more efficient materials for "black liquor" gasification, a crucial step in the paper-making process. Black liquor is the chemical mixture used in the

early process of turning wood into pulp. It eventually is recycled into "white liquor" — the stuff used to digest wood to make pulp for paper.

Headrick is creating new refractory materials for the gasification process. He hopes these materials would result in a more economic and environmentally friendly way to obtain white liquor from black liquor. He believes his system would result in annual savings of \$12 million to \$17 million and significant reductions in carbon dioxide and sulfur dioxide emissions. His efforts are funded through three annual \$200,000 grants from the U.S. Department of Energy.



*William Headrick, left, a post-doctoral fellow in ceramic engineering, and researcher Bill Davis are looking at ways to develop more efficient materials for "black liquor" gasification, a crucial step in the paper-making process.*

## Defining the future of warfare

UMR's partnership with the U.S. Army got a big boost recently through a \$2.15 million grant from the Army. The funds will allow UMR researchers to develop an array of advanced technologies for the battlefield, including:

- Customized obscurants, developed from "nanoscale" (sub-molecular) particles that would conceal U.S. military from enemy eyes, radar and other surveillance.
- Advanced chemical and electronic sensors to sniff out biological and chemical agents.
- Robotic systems to deploy the high-tech obscurants and sensors, keeping soldiers out of harm's way.
- Robotic systems to neutralize chemical agents in dangerous areas.

Much of the work will take place at the University of Missouri Technology Park at Fort Leonard Wood, about 30 miles southwest of Rolla. In addition, UMR scientists and engineers will work with chemical specialists from the Army's Chemical School at Fort Leonard Wood and with officials at the Army's Soldier Biological and Chemical Command (SBCCOM) at Edgewood Arsenal, Md.

U.S. Sen. Kit Bond "was instrumental in securing this grant for UMR," says UMR Chancellor **Gary**



*UMR researchers are creating obscurants, such as this soy-based smokescreen, to help the Army develop advanced warfare technology.*

Photo by Andrew Careaga/UMR Public Relations

**Thomas.** "We're very thankful for his leadership in these critical areas of national security."

"UMR's excellent work will help the U.S. Army survive and win on the battlefields of the 21st century," says Bond. "This is a great partnership between our soldiers and UMR scientists that I hope will continue to grow in coming years."

The program involves scientists and engineers from UMR's chemistry, mechanical and aerospace engineering, electrical and computer engineering, and computer science departments.

**"UMR's excellent work will help the U.S. Army survive and win on the battlefields of the 21st century."**

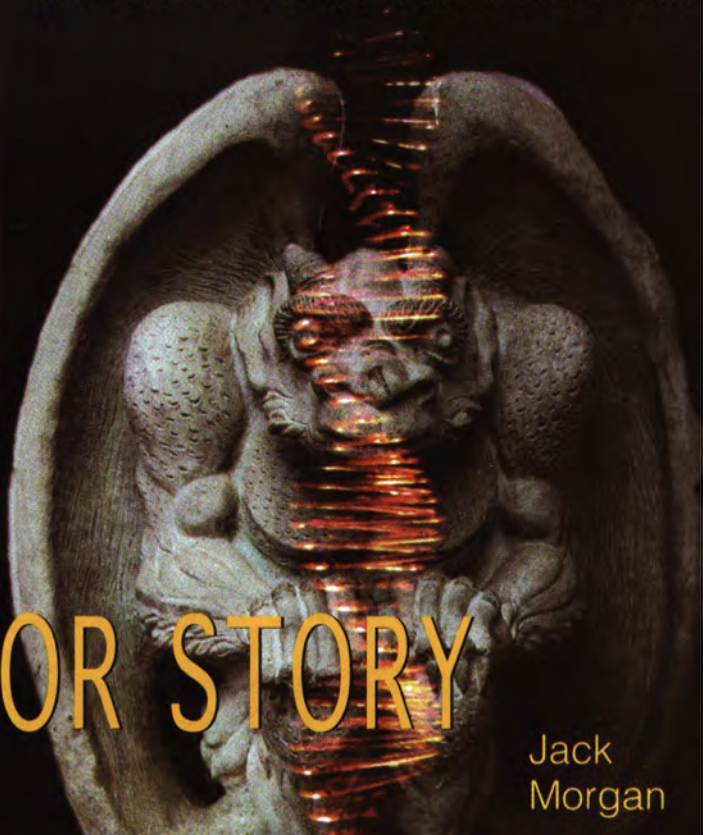
*U.S. Sen. Kit Bond*

Photo of Jack Morgan by Bob Phelan/Photomasters



# The Biology of Horror

GOTHIC LITERATURE AND FILM



## A UMR HORROR STORY

by Mary Helen Stoltz (mhstoltz@umr.edu)

Jack  
Morgan

There's more to the horror genre in books and film than the gross-out, in-your-face fright flicks "Friday the 13th" or "Nightmare on Elm Street." So says **Jack Morgan**, a UMR instructor in English and the author of *The Biology of Horror: Gothic Literature and Film*. Published just before Halloween 2002 by Southern Illinois University Press, Morgan's book explores the deeper, underlying rhythms of dread and anxiety found in Gothic literature and film. And while fear is a common element in horror stories, some are based entirely on those ongoing elements with no terror-filled climax. In other words, no chainsaws or bloody axes are needed.

"A good example of that is the original 1956 version of 'Invasion of the Body Snatchers,'" Morgan says. "There is no blood or guts, just people being slowly taken over. It's the sense of disestablishment of order that gets to you."

Morgan defines Gothic literature to refer to "macabre, weird literary material in general" and adds: "We are experiencing a renaissance of Gothic literature today." Stephen King, Clive Barker, Katkin Kiernan and Peter Straub are among the more popular authors in the genre.

And like any horror movie worth its salt, *The Biology of Horror* will have a sequel. Morgan's next book on horror, tentatively titled *Games in the*

*Ghastly Mansion: Play and the Poetics of Gothic*, examines the connection between play and horror. The title refers to the scene in Charles Dickens' novel *Great Expectations*, where Miss Havisham requires Pip to play. "A common theme in horror films and literature is the abduction or murder of a child while playing — the monster lurking in the shadows, watching the children play," Morgan says. "That juxtaposition of play and horror is the central theme." That theme struck close to home for Americans last fall during the D.C. sniper shootings. "It is implicit in the image of a sniper drawing a bead on a playing child in a schoolyard — the terrible incongruity of that."

# Poetry 101

In October 2002, **Michelle Paulsen**, a poet and lecturer in the English department at UMR, published her third collection of poetry, *Labor and Delivery*. The inspiration for the book came from the birth of her daughter. The book is available from Hope and Allen Publishing, Grants Pass, Ore. ([www.hopeandallen.com](http://www.hopeandallen.com)).

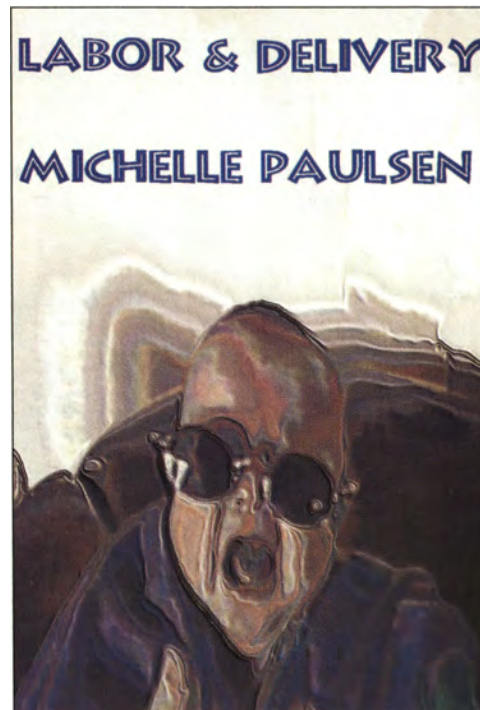
## EXCERPT FROM PAULSEN'S BOOK WITH COMMENTARY

under 'normal'  
circumstances, water  
flows, accommodates,  
conforms; it can  
warm or cool or  
clean - it sustains  
life. even when  
it does damage, it gives  
warning and  
only hurts  
those without  
respect. but when  
water breaks,  
you either  
try to give  
birth, or you  
fall through  
the ice

*"Water has always played an important role in my poetry ... from what snow can cover/hide/protect, to how rain reflects emotion, to the oppressive nature of humidity, etc.*

*"As human beings, we have rather unusual relationships with water. It is utterly common (it even falls free from the sky) and we can be totally apathetic about it (as when we get a glass of water from the sink). But, we are totally dependent on it.*

*"It sustains life. It also takes it.*



*"And, of course, the human child forms in it. In my case (as in so many others), the breaking of it — which seems so unnatural (especially the 'language' of it) — was the warning of the impending birth.*

*"But, there are other times when water breaks. It breaks over waterfalls, and when someone steps on ice. Both of these represent a fall into the unknown, into something dangerous. Labor is a common and an utterly remarkable experience ... it gives life, but is perfectly capable of taking it. It is a human oxymoron."*





## Debra Robinson named to lead student affairs

**Debra A.G. Robinson**, a member of UMR's student affairs staff since 1980, was named vice chancellor for student affairs on Jan. 1. She succeeds **Wendell R.**

**Ogrosky**, who retired from the position in December 2002. Ogrosky joined the campus in August 1987 as UMR's first vice chancellor for student affairs.

Prior to her appointment, Robinson was associate vice chancellor for student and international affairs. She joined UMR as a counseling psychologist, then later became assistant director and associate director of the UMR Counseling Center. She was director of UMR's Center for Personal and Professional Development from 1990 through 2001.



Debra Robinson

## New associate deans for Mines & Metallurgy

**Robert C. Laudon**, professor of geology and geophysics, and **David C. Van Aken**, professor of metallurgical engineering, became associate deans in the School of Mines and Metallurgy on Jan. 1. Laudon, a UMR faculty member since 1980, is associate dean of instruction. Van Aken, who joined UMR in 1993, is associate dean for research and graduate studies. They replace former associate deans **Ronald A. Kohser** and **Nicholas Tsoufanidis**.



Robert Laudon

## Leadership changes in geological/petroleum engineering



Jeff Cawfield

**Jeff Cawfield**, a member of the geological and petroleum engineering faculty since 1987, became chair of the department on Jan. 1. He succeeds Distinguished Teaching Professor **Leonard Koederitz**, ChE'68, MS PetE'69, PhD PetE'70, as department chair. In addition, **Anuj Gupta**, associate professor of geological and petroleum engineering, is now head of the petroleum engineering program within the department. Gupta joined UMR in 2001.

## Nisbett receives governor's award

**J. Keith Nisbett**, associate professor and associate chair of mechanical engineering, received the 2002 Governor's Award for Excellence in Teaching from Missouri Gov. Bob Holden in December. The annual awards recognize effective teaching and advising, service, and commitment to excellence in nurturing student achievement.



J. Keith Nisbett

## Huebner named vice provost for research

**Wayne Huebner**, CerE'82, PhD CerE'87, UMR's interim vice provost for research since July 2001, was appointed to the permanent position on Nov. 1, 2002. A professor and former chair of ceramic engineering, Huebner was director of the UMR Graduate Center for Materials Research prior to being named interim vice provost. He joined the UMR faculty in 1987.



Wayne Huebner

## Drewniak named MRC director



James Drewniak

**James Drewniak**, professor of electrical and computer engineering, was appointed director of the Materials Research Center in September 2002. He joined UMR in 1991 as an assistant professor of electrical and computer engineering. Prior to this, he was a research assistant for the bioacoustics laboratory and electromagnetics laboratory at the University of Illinois.

## Gragg returns to history chair

History Professor **Larry Gragg** began his second stint as department chair on Jan. 1, replacing **Wayne Bledsoe**, who retired in December 2002. Gragg held the position from 1992-1998. In September, Gragg won the University of Missouri System Presidential Award for Outstanding Teaching, a \$15,000 award for long-term achievements in teaching.



Larry Gragg

## Women's soccer earns NSCAA honor

The UMR women's soccer team was among 213 teams nationwide – and 29 in the NCAA Division II ranks – to earn a team academic award from the National Soccer Coaches Association of America for the 2002 season. The Lady Miners also won the award last season under second-year head coach **Diana Niland**. The award is for teams that post a minimum team grade point average of 3.0 and whose coach is a member of the NSCAA. The national awards were presented Jan. 16 at the College Coaches Luncheon as part of the NSCAA Convention in Kansas City, Mo.

## UMR basketball teams earn MIAA honors

A pair of UMR basketball players – one from the men's team and one from the women's – earned "Player of the Week" honors from the Mid-America Intercollegiate Athletics Association for their play during the early portion of the 2002-03 season.



*Brian Westre (44)*

On the men's side, junior **Brian Westre** earned the honor Dec. 2, 2002, after averaging 22.3 points, 11 rebounds and a blocked shot per game as the Miners won two of the three games they played during that week. He had double-doubles in all three games.

Senior **Leah Kessenich** of the Lady Miners won her award a week earlier after averaging 22.5 points, 12.5 rebounds and 3.5 blocked shots a game in two UMR victories – wins that helped the Lady Miners end a 21-game losing streak and post back-to-back victories for the first time in two seasons.



*Leah Kessenich (with basketball)*

## Men's soccer finishes successful year

Although unable to reach the ultimate goal of an NCAA Tournament berth, the UMR men's soccer team had a successful season, finishing with a 9-5-2 record under first-year head coach **Vince Darnell**.

The Miners were in a position to nab a tournament bid, but late-season losses to Truman State University and Southern Illinois University-Edwardsville ended those hopes. UMR ended the season on a high note, however, by shutting out regionally-ranked Quincy.

Senior **John McQueary** ended the year as the Miners' leading scorer with 12 points on four goals and four assists. **Sebastian Bustamante**, the Miner goal-scoring leader with five, had 11 points, while **Sean Ackley** finished with 10 points on four goals and two assists.

## Kimmel chosen to Academic All-America

**Curt Kimmel**, a senior defensive tackle for the UMR football team, was named to the Verizon Academic All-America team for 2002 by the College Sports Information Directors of America. Kimmel, a civil engineering major from Ringling, Okla., was a second-team selection to the squad for the second consecutive year.



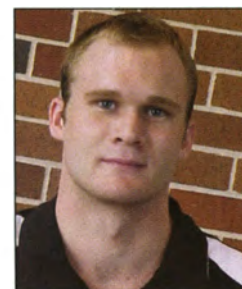
*Curt Kimmel (69)*

Despite missing three games due to a knee injury, he finished the 2002 campaign with 10 tackles, including one for a loss. Off the field, he is a three-time recipient of the MIAA Presidential Scholar award and a three-time member of the MIAA Commissioner's academic honor roll.

UMR also had three players named to the academic all-district squad: sophomore defensive end **Aaron Gage**, a second-team selection, and sophomore **Joe Tomasek**, an offensive guard, and junior defensive tackle **Chad Taake**, both third-team picks.

## Heller qualifies for swimming nationals

UMR senior **Phil Heller** of Ypsilanti, Mich., was the lone Miner to automatically qualify for the NCAA Division II Swimming and Diving Championships in December 2002 when the team competed in the Arkansas-Little Rock Christmas Invitational. Heller reached his automatic qualifying mark in the 400-yard individual medley, where he posted a time of 4:05.71. Later in the meet, Heller won the 200-IM – the Miners' only individual victory in an event at this meet – with a time of 1:55.22, which cleared the provisional qualifying standard for the meet.



*Phil Heller*

Three other Miners also made the provisional qualifying marks in their events. **Mike Minard** finished fifth in the 500- and 1,650-yard freestyle events with times of 4:41.52 and 16:30.54, respectively. **Paul Adams** and **Justin Gorson** met the mark in the preliminary rounds of the 100-yard butterfly. The national meet took place March 12-15 in Grand Forks, N.D.



# Member Benefits

As an alumnus of MSM-UMR, you are automatically a member of the MSM-UMR Alumni Association and are entitled to:

### MSM-UMR:

Chairs, lamps, watches, rings, pendants, Platinum/Gold MasterCard, license plates for Missouri residents.

### Career Assistance:

UMR's Career Opportunities Center will help you in your job search!

### Services:

Online Community, including searchable directory. Access to alumni office via e-mail (alumni@umr.edu).

Alumni locator service to help you find lost friends. Address update service so you don't miss your MSM-UMR mail.

To take advantage of these offers, contact the alumni office:

MSM-UMR Alumni Association  
Castleman Hall  
University of Missouri-Rolla  
1870 Miner Circle  
Rolla, MO 65409-0650

Phone: (573) 341-4145  
Fax: (978) 926-7986  
Email: alumni@umr.edu  
Web: alumni.umr.edu

## New scholarship procedure to help students

*The MSM-UMR Alumni Association hopes to make life a little easier for students receiving association scholarships next fall.*

In order for students to have their scholarships automatically credited to their financial aid account, they must now attend one of three information sessions, scheduled during the campus free hour at the start of each semester. At each session, alumni representatives will briefly discuss the alumni association scholarship program. Students attending will receive certificates recognizing their achievement and information about their particular scholarship donor, if they are receiving a named endowed or annual scholarship. If funds are available, the association is also planning on providing food, since free hour is at lunchtime.

## New scholarships endowed

At the winter executive committee meeting of the MSM-UMR Alumni Association, two new scholarship endowments were accepted.

The **Byron N. Vermillion Memorial Scholarship** will benefit a student member of Delta Tau Delta fraternity, with preference to qualified applicants who strongly exhibit qualities consistent with the mission and values of Delta Tau Delta fraternity. Byron Vermillion was a 1970 graduate of UMR with a bachelor's in electrical engineering. He was also a member of Delta Tau Delta.

The **Emily Anne Douglas Scholarship** will benefit a student member of Chi Omega sorority who has been active in the sorority for at least two years, who has contributed significantly to the chapter and who has a demonstrated financial need to continue her education at UMR. This endowment was established by gifts from family and friends in memory of Emily Anne Douglas, a Chi Omega active member who was killed in an auto accident in the fall of 2002. The initial award of \$250 will be presented in April 2003 at the chapter's founders celebration.

# SCHOLARSHIP BANQUET

Students who receive scholarships through the alumni association will be honored at the association's Scholarship Banquet on Friday, April 25. Donors who have provided named scholarships through the alumni association will be invited to meet the students who benefit from their generosity. Alumni association directors will also be on hand to greet and congratulate these students.

April 25

## 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.

## Starlighters back together again

The stars shone brightly as the Starlighter Band reassembled for a jam session. Formed in the early 1950s at MSM, a group of musically minded Miners started the Starlight Band for their own enjoyment. Several years ago they had a reunion and had such a good time making music again they have had several more reunions. Drummer **Bob Walsh '55** and his wife Betty hosted this year's reunion in Sarasota, Fla. **Jim Toutz '54** on the keyboard and his wife, Patty, from Texas; **Dick Cruse '54** on trumpet and his wife, Connie, from Texas; **Al Bogush '55** on clarinet and sax and his wife, Alta, from Alabama; and bass player Ray Hamm (a friend of Jim Toutz) and his wife, Kay, from Missouri complete the ensemble.



The Starlighters played a two-night "gig" Oct. 4-5 at the Cactus Steak House in Venice, Fla. Miners **Jack Wheeler '53** and his wife, Margo; **Jim Gerard '54** and his wife, Nancy; as well as other friends of the Walshes from the area were present to cheer them on. Oldies, light jazz and Dixieland were enjoyed during the two-and-a-half-hour session.

"We're all looking forward to next year's reunion," said friend Fuzz Tinley. So are we all!

*Submitted by Jim Gerard '54*

## Senior Pizza Party a success



Wednesday, Dec. 11, found 153 UMR graduating seniors in the Alumni Lounge of Castleman Hall, enjoying pizza, Pepsi and beer at the Senior Pizza Party. **Susan Watson '83** generously donated a Sony Clie PDA for the grand door prize, and Amber Vogt was the delighted winner. Seniors who attended the party received an MSM-UMR Alumni Association Membership Kit with information about alumni benefits. All seniors who attended Commencement on Dec. 21 also received a diploma case courtesy of the MSM-UMR Alumni Association.

*Help UMR and higher education in Missouri  
obtain necessary funding from the state —  
check out the volunteer-run web site*

*[www.Joe-Miner.com](http://www.Joe-Miner.com)*

## Need a copy of your transcript?

Check the web at [web.umn.edu/~regwww/official.html](http://web.umn.edu/~regwww/official.html) for information and a printable form. You can mail or fax, or call the registrar's office at 1-800-522-0938 for more information.

## Throughout its history

MSM-UMR has benefited from the generosity of alumni and friends who have provided support through their bequests and other planned gifts.

The **Heritage Society** is our way to recognize those who have invested in the university's future through planned gifts.

These gifts include a variety of testamentary and lifetime arrangements that provide future support for the university and financial benefits for our donor.

Take advantage of Planned Giving through The **Heritage Society**.

To request information on the benefits of membership, or to learn more about ways to remember UMR through a planned gift, call the Office of Planned Giving at **800-392-4112** or email [judy@umn.edu](mailto:judy@umn.edu).

Heritage Society



**MISSOURI**  
**MSMUMR** 03  
UNIVERSITY OF MISSOURI - ROLLA  
Plates available only in Missouri

**Drive in Style**

Drive in Style with a personalized UMR license plate.

When you make a gift of \$25 or more to the MSM-UMR Alumni Association's License Plate Scholarship Fund, we'll send you the forms to fill out for your license plate.

# Precollege Summer Programs

- Summer Transportation Institute
- Nuclear Engineering Camp
- Aerospace Camp
- Sports Camps
- Intro to Engineering
- Jackling Institute
- Minority Introduction to Engineering and Science

For more information go online

**summer.umr.edu**

**Start the UMR experience early!**



## Kappa Delta celebrates 30 years at UMR

More than 100 Kappa Delta actives and alumni celebrated the 30th anniversary of the Epsilon Alpha chapter's founding over the weekend of Nov. 1-3, 2002. At Saturday's banquet, house corporation president Jessica (Thomas) Neimeier '97 unveiled plans for renovating and expanding the chapter house. National Kappa Delta president Julie Johnson spoke to the group, encouraging their continued loyalty to Kappa Delta. Congratulations, Kappa Delta, on your first 30 years!



Larry and Marilyn Cleary of Avila, Mo., with their children.

# Meet our Parents

Larry and Marilyn Cleary are the parents of two UMR students, Virginia Cleary, a graduating senior in nuclear engineering, and David Cleary, a freshman in mining engineering.

Larry and his business partner, Jerry, own DC Custom Garage in Neosho, Mo., where they do bodywork for current-model cars and trucks as well as custom street rods. Their business involves everything from bodywork to major accident repairs to complete construction and painting of cars.

Marilyn works for the Missouri National Guard Show-Me Challenge Program in Nevada, Mo., as a recruiter. Designed for at-risk youth, this six-month quasi-military program provides recruits a chance to turn their lives around as well as prepare them to earn their GED.

My mom and dad, Marilyn and Larry Cleary, have been role models to me from the very beginning. Both have encouraged me to pursue my dreams and live life to the fullest. My parents raised me to appreciate hard work and not shy away from the responsibilities of life. Without them I would not be the person I am today. My parents have always been there for me and have encouraged me to do my best in all aspects of life. What I appreciate most is how willing they are to give of their time be involved with the Parents' Association. Twice a year they travel to Rolla to attend the Parents' Association meetings and find out what they can do to improve UMR. Both of my parents have spent hours on the phone encouraging other parents to become involved in the program. I have seen how disappointed they are at the lack of interest some parents have in their college students' life, yet they continue to try to recruit new parents and develop the Parents' Association into a fulfilling program.

by Virginia Cleary

**THE PARENTS' ASSOCIATION NEEDS YOU  
CALL (573) 341-4753**

**Parents —**

*Wish your Student a Happy Birthday!*



**For just \$15 you can have a personalized birthday cake or fresh flowers delivered to your student on his or her birthday.**



Sponsored by the UMR Parent-Alumni Relations Committee of the Student Council.

All proceeds go to benefit UMR's Student Council.

Cakes are purchased from Country Mart.  
Flowers are purchased from Blossom Basket Florist.  
The cakes and flowers are individually priced at \$15; however, both items may be purchased for \$28.

If you have any questions or comments, call the Student Council Office at 573-341-4280 or email [stuco@umr.edu](mailto:stuco@umr.edu). Forms may also be completed online at [web.umr.edu/stuco](http://web.umr.edu/stuco).

**STUDENT INFORMATION**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone #: \_\_\_\_\_ Birthday Delivery Day: \_\_\_\_\_

**PARENT INFORMATION**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_ Phone #: \_\_\_\_\_

Please attach a sheet with the message to be printed on the cake or the card with the flowers. Please mark the item(s) you are ordering below, and remember to check the options you want for each item. This form may be copied if needed.

**CAKE** CAKE FLAVOR:  White  Marble  Chocolate  
ICING TYPE:  Whipped Cream  Butter Cream  
CAKE DESIGN: (Please add \$2.50 for special designs/ No additional charge for floral design)  
 Floral  Baseball  Construction Site  Football  Hockey  Hunter  
 Mickey Mouse Hiking  Nascar Jeff Gordon  Scooby Doo  Soccer  Star Trek  
 Winnie the Pooh, Piglet, Eeyore  Winnie the Pooh and Tigger



**FLOWERS** FLOWER TYPE:  
 Three Roses in Vase  Mixed Plants in a Basket  
 Decorated Carnation with Smiley Face

**TOTAL ENCLOSED:** \_\_\_\_\_

Please mail form with check to:  
Parent-Alumni Relations Committee c/o Student Council  
202 University Center West, Rolla, MO 65409-0770

## AIR CAPITAL

### Tag, you're it in laser match

Air Capital Section members played laser tag on Nov. 2, 2002, at LaserQuest in Wichita, Kan. Alumni enjoyed running around in the dark, shooting at each other in the two-level maze. Seven alumni and friends participated in the event, including the organizer, *Sean Daly '96*, along with *Jarrod Grant '98*; *Tony '98 and Laura (Bandy) '99 McLaughlin*; *Rob Davis '01*; and *David '95 and Melissa '96 Herberger*.

## ARK-LA-TEX

### Cooking up Cajun

Eighteen members and guests of the Ark-La Tex Section met Saturday, Oct. 12, 2002, at the home of Jerry Poland. The group dined on an excellent meal of Cajun fried turkey prepared by the host. Members spent the evening socializing and enjoying Poland's beautiful home and the lake. A short business meeting was held with the topics of discussion centering on the alumni scholarship and John Livingston's Homecoming report.

*Alumni attending were Scotty Gerber '99; Rande '73 and Judy '74 Grotefendt; Ernie '70 and Gerri Green; Joe '86 and Terri Swan; Elmond Claridge '39; John Livingston '39; Jerry '82 and Tammy Poland; Clydelle Compton; Loretta Moscarì; Kenny '83 and Beth Cochran.*

## AUSTIN

### Fall happy hour

Twelve alumni and friends of the Austin Section of the MSM-UMR Alumni Association celebrated happy hour on Oct. 10, 2002.

*Those in attendance included Aaron Shaw '95; Clark Allen '65; George '80 and Connie Dickinson; Rick Reinesch '85; Ed Hassinger '91; Sarah '83 and David Todd; Nik '99 and Brittany Jdrzejewski; Yuning '00 and Liang Chen Shi.*

**WE WANT YOUR NEWS!**

Deadline for submissions to the fall issue of the *MSM-UMR Alumnus* June 10, 2003

## BAY AREA

### Chancellor Thomas visits

The home and extensive grounds of Dave Robinson in Castro Valley, Calif., served as the gathering place for about 20 alumni and friends to visit with UMR's Chancellor Gary Thomas on Oct. 26, 2002. Alumni enjoyed a delicious carry-in dinner with Robinson providing several choices of main courses. Following the barbecue around the nearly Olympic-size pool, the chancellor provided an update of campus.

*Those attending included Dave Robinson '85; Dave Robinson '53 and his wife; Andrew Carr; Roger '64 and Janie Chapin; Eric J. Carleton '79; Mike Patterson '77; Hassen Beshir '79, his son and daughter; Dinesh Venkatachalam '87; Oki Edu '79; Candice Luehrs '01; Jason '96 and Heather Boles; Joe Meachum '80; Theresa Gain; Dave Peacock '64; Don Lee '72; Sam Choi '72; Chancellor Gary Thomas and Julie Turley of UMR's development office.*

## CINCINNATI

### Food flies at Cincinnati event

Ten alumni and friends attempted to catch rice and pieces of shrimp in mid-air during the Mock Thanksgiving Dinner Nov. 9, 2002, at Jillian's entertainment megaplex in Covington, Ky. Alumni viewed two of UMR's latest television commercials and heard an update on the UMR campus from Marianne Ward of the alumni office. Afterward, everyone gathered around the hibachi grill for a six-course dinner, occasional disco music and a few pieces of food flying through the air. Next, the group gathered around a bowling lane, where having fun was the name of the game, not high scores. After bowling, alumni and friends took in the video arcade and/or one of the four nightclubs in the complex. Bret '93 and Gina '93 Baldwin organized the event and Bret hosted it.

*Attendees included Jay Krull '87; Bret Baldwin '93; Marianne and Steve Ward; David Cornell '86; Jay Jones '71; Don '67 and Amira Scarpero; and Lamar '95 and Vicky '92 Gerber.*



*Alumni and friends enjoyed putting their skills to the test against the latest video games after a fun-filled dinner at Jillian's.*

### Dinner at Valley Vineyards

Sixteen Cincinnati/Dayton Section members participated in the annual dinner Sept. 21, 2002, at Valley Vineyards in Morrow, Ohio. Valley Vineyards features "cook your own" steaks and Ohio wine made at the restaurant. Alumni took part in wine tasting, dinner, and a raffle for door prizes. After dinner most of the group went to Bret and Gina Baldwin's house for more fun and socializing.

The Baldwins organized and hosted the event.

*Attendees included Bret '93 and Gina '93 Baldwin; Mike '82 and Trish Ingram; Lamar '95 and Vicky '92 Gerber; Mike '75 and Susie Sheridan; Thomas '69 and Judy Zenge; Donald '52 and Edna Belcher; Jay Jones '71 and his daughter, Erica Jones; Jay Krull '87; and Heath Misak '01.*



*Valley Vineyards is a favorite place with the Cincinnati Section.*

# H O U S T O N



*A toast to the Miners during Oktoberfest.*

## Gathering for a taste of Germany

The Houston Section of the MSM-UMR Alumni Association had a ball at Oktoberfest, a revived event from years past. Thirty-seven alumni and friends met at Old Heidelberg in Houston for a German food buffet, a lot of German beer, and Oktoberfest music. Everyone had a great time, and we hope to continue the tradition in the future. Lori Stapp Crocker '88 planned the Oct. 25, 2002, event, and she and her husband, Tony Crocker, served as the event's hosts.

*Attendees included Rob '79 and Becky Riess and Becky's dad; Lori Stapp '88 Crocker and Tony Crocker; Nicole Talbot '77; Russ Pfeifle '74; Jim '67 and Carolyn Medlin; Wayne '58 and Betty Andreas; Curt '73 and Marybeth Killinger, their children and Marybeth's parents; Rex Alford '40 and guest; Greg Savage '02; Jim '53 and Margie Akers and family; Arni and P.E. '70 Ilavia; Herman '60 and Carol Vacca; George '51 and Ellen Donaldson; Shannon '97 and Frances '97 Walker; Jim '92 and Cheryl '92 Erickson; Dave '71 and Charlene Jones; and Helen Elwood '00.*



*Houston alumni revived the section's annual Oktoberfest.*



## Recruiting for UMR

Houston area alumni visited with prospective students during a student reception Nov. 2, 2002, at Transtar in Houston. In addition, alumni cover many college night fairs throughout the area each year.



## Hockey game draws alumni

On Jan. 18, 2003, 21 alumni, family members and friends were part of a near-sellout crowd who watched the Houston Aeros defeat the Manitoba Moose for their 12th win in the last 15 games. The event was hosted by Wayne and Betty Andreas.

*Attendees were Wayne '58 and Betty Andreas; Phillip '81 and J. Callen; David '81, Robert and Matthew Gresko; Gary '76 and Pierce Jones; Rob '00 and Erin Koch; Ed May '83; Robert and Patty Porche; Rob '79 and Becky Reiss; Matt '97 and Gretchen '99 Riggs; Eric '91 and Christina Roddiger; and Curt Smith '96.*



*Members of the Houston Section gathered on Sept. 14 to watch the St. Louis Cardinals defeat the Houston Astros 2 to 1.*



*Alumni and friends enjoy singing "The Twelve Days of Christmas" at the home of Rob and Becky Riess.*

## Ring in the holidays

The Houston Section kicked off the holiday season with a Holiday Open House on Dec. 6, 2002, at the home of hosts Rob and Becky Riess. While there, the 21 alumni and friends enjoyed the good food of a holiday buffet, singing of "The 12 Days of Christmas," and many door prizes to go along with the good cheer. The Riesses and Nicole Talbot planned the event.

*Attendees included Rob '79 and Becky Riess; Wayne '58 and Betty Andreas; Doug Fuchs '77 and Mary Ann Fox '79; Gary Jones '87; George '51 and Ellen Donaldson; Nicole Talbot '77 and Russ Pfeifle '74; Lori '88 and Tony Crocker; Linda Stapp (Lori's mother); Jim '67 and Carolyn Medlin; P.E. '70 and Arni Ilavia; David Furnish '61, and Becky and Nick Martinez whose son, Lane, is currently a freshman at UMR.*



**HEARTLAND****A whale of a time**

Whaler's Restaurant on the Paducah riverfront hosted the Heartland Section on Saturday, Nov. 16, 2002, for a reception and brief meeting. Whaler's provided a gorgeous spread of seafood appetizers, as well as meat, cheese and vegetable offerings. Lindsay Bagnall, alumni director, attended to greet alumni and friends, tell them the news from campus and show UMR's new commercials.

Jason McHaney volunteered to take over as section scholarship chair and section members discussed plans for a St. Pat's party. Several of the alumni attended a reception for prospective students in the Paducah area earlier that afternoon, serving as a valuable resource to those students in answering questions and providing guidance about attending UMR. Those alumni were Bob Patterson, Gene Edwards, Jason McHaney, Nikki Pagano, Don Taggart, and Tracy and Darin Miller.

*Those attending the Heartland Section event included Bryan '81 and Diana Clayton; Gene '52 and Ann Edwards; Lindsay Bagnall '76 with Hannah and Lydia Bagnall and Clarissa Castro; Jason '91 and Kathy McHaney; Jeff '88 and Sharon (Gates) '89 Douthitt; Bob '54 and Martha Patterson; Tracy (Downs) '94 and Darin '94 Miller; Nikki Pagano '91, '97 and Don Taggart '97; Kenneth Scott '97 and Angela Jackson; Maureen (O'Reilly) '87 and Tom '88 Tavernaro; Michael '67 and Peggy Eastburn; Carol Smith (UMR admissions); and Leslie Rigsby (UMR development).*

**NORTH ALABAMA****Fall gathering**

On Nov. 21, 2002, 32 alumni and friends of the North Alabama Section got together at Wings Sports Grille in Huntsville, Ala. After a few administrative announcements by president Jim Keebler and a delicious meal, attendance prizes were awarded with the "plum" prize going to Dan Kruvand. Jason Bridges was the lucky recipient of the "Half-and-Half." The mission statement was announced on this evening: 1.) Conduct social gatherings/meetings for the section's members and 2.) Do something beneficial for the local community.

All MSM-UMR alumni and their guests are encouraged to attend our social events. Our next social is tentatively scheduled for St. Pat's 2003.

**KANSAS CITY****Recruiting activities**

As one of the Kansas City Section's recruiting activities, Kenneth Bandelier '97, vice president of the K.C. Section, gave a presentation to about 55 students in the gifted education program run by the Center of Differentiated Education (CODE) located in the Hickman Mills School District on Nov. 20, 2002. He spoke with students about UMR, electrical engineering, and his work experiences.

**LINCOLNLAND****Fall dinner with the chancellor**

The Lincolnland Section held its annual Fall Dinner Meeting on Oct. 29, 2002, at the Springfield Motor Boat Club on Lake Springfield, Ill. Fifty-one alumni, parents and friends joined in the festivities and to hear UMR Chancellor Gary Thomas and Alumni Association Director Lindsay Bagnall give an update on campus activities, long-range plans for the university, and fund-raising efforts. Dr. Thomas also provided an update on campus enrollment figures and answered questions from the audience. After cocktails and dinner, Jerry Parsons, president of the section, held a short business meeting.

*Those in attendance included Tom '70 and Susan Hoppe; Randy '88 and Jerri Vogel; Rich '71 and Catherine Eimer; Tom Feger '69; Ed '69 and Anne Midden; Gary '74 and Debbie Hutchison; Jim '79 and Theresa Twyford; Joe '00 and Betsy Hutchison; A. J. Gironde III '01; Jerry '70 and Mary Parsons; Thomas Meyer '92; Dan Kerns '74; Sadie Burke '98; Jason Jones '00; Rich '69 and Caroline Berning; Jerry Hirlinger '86; Jim Rechner '70; David Tepan '90 and guest; Amanda '99 and Andrew Withers; Rich '64 and Sandy Mochel; Bart Regelbrugge '65; John '77 and Kathy Stutzman; Terry '72 and Debbie Burke; Lynn '68 and Judy Frasco; Dave '72 and Alice Reinke; Larry Eastep '69; Jim '66 and Connie May; Jim '84 and Judy Miles; parents David and Penny Newton; parents Russ and Pam Irwin and prospective student Ben Irwin.*



*North Alabama alumni and friends gathered at the Wings Sports Grille.*

*Attending were Rob Alferink '98; Andrea Bone '02; Jason Bridges '00; Terry '98 and Stephanie Buhler; Brad '97 and Kristi Butler; Dick Campbell '62; James M. Carter '66; Jon Clark '84; Ron '83 and Debbie Clendenny; Allen Crider '80; Curt Dodd '63; John Dunbar '84; Perry Feuerstein '91; David L. Gray '69; Roger Hoffman '62; Jim '75 and Dorothy Keebler; James '75 and Joyce Knoch; Dan Kruvand '69; Roy '88 and Ginger Longino; Craig Maurice '85; Stuart Oberman '79; Don '72 and Nancy Seward; Bob Siron '60; Laura Tomaja '00; and Mark Zeien '01.*

## INDIANAPOLIS

## New section forms

Alumni and friends gathered in Indianapolis on Friday, Dec. 6, 2002, to form a new section. The group met at The Rathskeller, the oldest restaurant in continuous operation in the city.

Bipin and Linda Doshi of Mishawaka, Ind., served as the hosts for the event and provided underwriting support to help establish the new section. After a formal welcome to the event, Bipin encouraged alumni to become members in UMR's Order of the Golden Shillelagh. With the sounds of bagpipes echoing in the hallway and bringing back memories of past St. Pat's, Marianne Ward, alumni assistant director, discussed how to form an official alumni section and gave an update on the campus. Officers were then elected for the section. They are: Dawn Stufft, president; Emily Wehmeyer, vice president; Aaron Rues, secretary/treasurer; and Andy Jeffers, scholarship chair. The MSM-UMR Alumni Association's Executive Board of Directors chartered the section, along with the Peoria, Ill., and Peru sections on Dec. 19, 2002.

*Those attending included Donald R. Bogue '55; Robert D. '88, '89, '91 and Alice Borchelt; Timothy R. Brown '02 and Angelia Renee Wimbley; Adrian Deneys '98; John DeRuntz '84; Bipin M. '62 and Linda Doshi; Michael '78 and Debbie Haynes; Andy '85, '87 and Mary Ann '86 Jeffers; James M. Kuenz '70; Jae Yon Lee '76; Hans G. '85 and Donna Livingston; Karl '82 and Deborah Morrison; Charles C. '58 and Laura Myers; Ken Pendleton '60; Donald Peterson '63; Nathan Rues '02; Thomas Scott '94, '99; Brian Sharp '99; Linda and Leslie D. '66 Stewart Jr.; Emily Wehmeyer '97, '00; Steve Werling '85; Richard K. Williams '70; and Marianne Ward.*



*The restored Rathskeller in Indianapolis served as the perfect backdrop for the first meeting of alumni to form a new section there.*

## PEORIA

## Peoria Section formed

Alumni and friends gathered together on Dec. 7, 2002, to form the Peoria Section at The Hotel East Peoria in East Peoria, Ill. David and Jill Akers served as the hosts for the event. Marianne Ward, alumni assistant director, discussed how to form an official alumni section and gave an update on the campus. Officers were then elected for the section. They are: Brian Call, president; David Akers, vice president; John D. Brocke, secretary; J.D. Bridges, treasurer; and Jason Carter, scholarship chair. The MSM-UMR Alumni Association's Executive Board of Directors chartered the section, along with the Indianapolis, Ind., and Peru sections on Dec. 19, 2002.

*Those attending included David '99 and Jill '99 Akers; J. D. Bridges '00; John '97 and Tara '97 Brocke; Brian Call '97; Jason E. '96 and Camby Carter; Linda '88 and Russ '86 Harrell; Ken '66 and Sharon Kamman; Richard G. '74 and Sandra McLain '74 Lenz; Larry E. Mueller '75; Matthew A. Ryan '01; Daniel '01 and Amber Shockley; William Strasser '00; Matt '97 and Laura '99 Tobben; Jian Zhang '94; and Marianne Ward.*



*More than 20 alumni and friends kicked off the holidays by forming a new section in Peoria, Ill.*

## PERU

## 36 alumni and friends form new Peru Section

Thirty-six alumni and friends gathered on Nov. 13, 2002, in Lima, Peru, to form a new Peru Section — our eighth international section. John Sheffield, professor of mechanical and aerospace engineering, met with the new section on Jan. 10, presenting the group with their official charter. The MSM-UMR Alumni Association's Executive Board of Directors chartered the section, along with the Indianapolis, Ind., and Peoria, Ill., sections on Dec. 19, 2002.

*Those attending included Guillermo Aguayo-Horna '84; Gonzalo Emilio Amezaga Menendez '96; Jose Ricardo Arce Alleva '91; Oscar Ballon Barraza '85; Raul Benavides Ganoza '80; Jorge H. Boza Larrain '48; Enrique M. Calmet Vega '81; Hector J. Calmet Vega '85; Roberto J. Calmet Vega '87; Walter Casquino Rey '66; Andreas A. Dasso Chopitea '77; Maricarmen Florez Figueroa '73; Luciano Gaillard Nycander '51; Elias Arturo Iturri Urrutia '59; Raul Leon Rodriguez; Dante Marsano Navarro '77; Blanca Baca Doig de Marsano '79; David P. Marsano Navarro '79; Miguel A. Montestruque Zegarra '75; Guillermo C. Montori Roggero '87; Johnny Nahui Ortiz '96; Carlos Plenge-Washburn '40; Ricardo E. Proano Seiler '62; Daniel Rodriguez Hoyle '50; Mariana Rodriguez Risco '80; Daniel Rodriguez Risco '79; Diego Rodriguez Risco '93; Gonzalo Rodriguez Risco '93; Bladimiro Sanchez Aguilar '71; Frank Stevenson Ramirez '51; Walter Schnider Capurro '84; Hans Spitzer '86; Jaime Tumialan de la Cruz '69; Pedro Hugo Tumialan de la Cruz '68; Elmer Alberto Vidal Sanchez and Jose Marsano Bacigalupo '72.*

**ST. LOUIS**

**Miners don't get the 'blues' after hockey loss**

Despite the Blues' loss to the Chicago Blackhawks in a final score of 4 to 1, Miners remained in good spirits on Jan. 2, 2003, at the Savvis Center in St. Louis. A group of 53 alumni and friends met at Jacques in the nearby Sheraton City Center and then cheered on the Blues. Christina Sfreddo organized the event.

*Among those attending included Don Moyer '68; John Mitchell '59; Christina Sfreddo '94; Christy Land Witte '95; Bill Irvine '75; Darrell Case '82; Lloyd '98 and Amy Hanneken '00 Gholson; Michael Alley '96; Greg Martinez '90; Andrew Ledbetter '00; Holly Hawkins '00; Robert Danganan '98; Susan '74 and Sandy Rothschild; Joe Rich '79; Ron Jagels '86, '91; Jennifer Damron '98; Scott Hopper '98; Milt Murry '64; Elif Yasar '99; Steve and Marianne Ward, alumni assistant director; Ed and Judy Fisher; Mike and Liz Rawlings; Tim Belshe; and Lori Cox.*



**Thursday, May 1**  
**Kansas City Section**  
**Social Hour - Fox and the Hound**  
 Jim VanAcker '98, (816) 224-5514

**Wednesday, May 14**  
**Motor City Section - SAE Formula Car Dinner**  
 Jeff Seaman '00 (jseaman4@ford.com)

**Saturday, May 14**  
**Peoria Section - Golf Outing**  
 Brian Call '97, (309) 246-6287

**Saturday, June 21**  
**St. Louis Section - Annual Golf Tourney**  
 Phil Jozwiak '66, (314) 878-1285

**June 15-17, 2003**  
**Class of 1953 - Golden Alumni Reunion**  
 Rolla, Mo.  
 Betty Volosin, (573) 341-4145

**August 2003 TBA**  
**Peoria Section - Formal Dinner**  
 Brian Call '97, (309) 246-6287

**Saturday, Oct. 4**  
**Peoria Section - Bonfire Social**  
 Brian Call '97, (309) 246-6287

**Oct. 10-11**  
**HOME COMING 2003**  
 alumni@umr.edu, (573) 341-4145

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**IT ISN'T ALL THAT UNUSUAL FOR COLLEGE ATHLETES TO SPEND A LOT OF TIME AT THE GYM. BUT FOR YEARS, THE CAMPUS GYMNASIUM WAS MORE THAN A SECOND HOME FOR MANY MSM-UMR ATHLETES. IT WAS HOME.**

From the return of GIs from World War II era through the mid-1960s, MSM-UMR's Jackling Gymnasium doubled as a dormitory for many student-athletes. In the years before sports scholarships, the gym's makeshift living quarters – rooms surrounding the basketball court and indoor swimming pool – were the only perks afforded to the athletes. They lived in the cramped rooms, slept in bunk beds, and ate at one of the various "eating clubs" adjacent to campus. "The living quarters weren't the best in the west," says **Dewey Allgood**, who came to MSM-UMR in 1950 as head basketball coach. He recalls that rooms in the attic of Jackling's towers "weren't so bad once you got up there, but it was the trip getting up there that was bad." The only access was by a ladder.

Six years ago, several former Jackling Gym residents decided to get together to reminisce about old times. They named themselves the "Jackling Jocks," designed a logo to illustrate their goal of being UMR's "athletic supporters," and established the Spirit of Jackling Scholarship Fund to help current student-athletes.

"Everybody had such a good time, we thought we ought to continue meeting," says **Bill Engelhardt**, ME'60, of Broken Arrow, Okla., who helped organize that first gathering, held in Hot Springs, Ark. "But we decided we ought to do something besides just get together and fellowship." In six years, the group has raised around \$30,000 for the program and hopes to build on that foundation to offer more scholarships in the future.

Although the Jackling Jocks is not an official alumni chapter, Allgood maintains that "it's probably one of the greatest (alumni) organizations we have right now"

to support the university. The group began in 1997 when Engelhardt, an MSM football standout in the late 1950s, and four other athletes of that era – **Perry R. Allison**, ME'59; **Morris G. "Chick" Boren**, ME'62; **Richard E. Boyett**, CE'58; and **Louis H. Whitehair**, ME'59 – decided to hold a reunion of Jackling residents. The five contacted the university for a list of student-athletes from the era, then mailed invitations to the Hot Springs gathering to their fellow jocks. Today, the Jackling Jocks has grown to a core group of about 80 former athletes. They try to get together every year – the group will meet in Tulsa in June – as well as return to campus over Homecoming. About 35 jocks were on hand for the Jackling Jock Homecoming Reunion last October. "More than anything, it's the camaraderie," says **Roger Feaster**, CE'57,

## Generous 'jocks'



### Alumni athletic supporters continue "the spirit of Jackling"

by **Andrew Careaga** (acareaga@umr.edu)

of Lee's Summit, Mo., who attended that initial meeting and all the others. "We can all look back at our time at Rolla and say, 'They weren't the easiest of times but we all had a lot of fun.' We shared a lot of experiences."

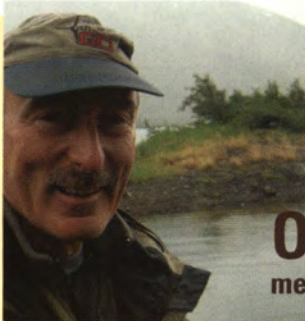
The common bond for most Jackling Jocks is their former home. Built in 1915, the brick gymnasium was named for **Daniel C. Jackling**, MetE 1892. One of MSM-UMR's most illustrious graduates, Jackling made a fortune in the copper mining business and went on to establish a student loan fund for the campus. The fund evolved into the Jackling Foundation to support various academic programs. Grateful campus leaders also named the football field after Jackling.

Stationed at the north end of campus, with turrets at its four corners, the stately brick structure "looked kind of like a castle," says Engelhardt. But there was nothing regal about the living quarters. "They weren't very fancy," recalls Feaster. "All you had was a desk and bunks, and the university supplied bedding. Most of us fabricated our own bookshelves." Jackling Gymnasium was razed in 1965 to make way for the Curtis Laws Wilson Library, but if the gym were around today, Feaster says, "the place would be declared a fire trap and they wouldn't allow anyone to live there."

It wasn't much, but it was home. "Most of the guys will agree that if not for the support we received – living in the gym, the cooperative eating clubs – we probably wouldn't have had the finances to get through," Feaster says.

And it's support for student-athletes that the group hopes to accomplish with its Spirit of Jackling Scholarship. The jocks want to pass along that spirit – the sense of camaraderie, the generosity embodied by the Jackling Foundation – to today's generation of student-athletes. "The spirit of Jackling is what's driving this thing," says Feaster, who was a quarterback for the Miners and also ran track. "We're a close-knit group, but we're wanting to expand to support intercollegiate athletics in any way we can."

**The Jackling Jocks' next meeting will be held June 19-21 in Tulsa. For information on the event, contact Bill Engelhardt at (918) 258-7035 or email him at sales@totalvalve.com.**



## OZARK BOY meets Alaskan wilderness

The outdoors has been a big part of **Wilson Hughes** life since his family lived in Maramec Springs State Park outside of St. James, Mo. His father was the park superintendent at the time, which gave Hughes the opportunity to discover his love of fishing and overall appreciation for the outdoors.

It was during his time in the U.S. Army that Hughes was given the chance to appreciate the wilderness as well. In 1970, "my option was either go to Vietnam or be stationed in Alaska." Neither one of these options held appeal to his wife Nancy, but Alaska appeared to present the greatest opportunity. What began as a temporary assignment soon became a way of life for the Hughes family. By the time his service term ended, he and his wife had fallen in love with Alaska.

"Alaska has such an interesting mix of people. About 90 percent of the state's population is made up of people who made the conscious decision to be there," says Hughes.

Even though the Hugheses choose to live in Alaska, they surround themselves in Ozark charm. Nancy owns Ozarks Americana, the largest antique shop in Anchorage. "It is filled with stuff from right around Rolla, which gives us an excuse to visit more often," says Hughes.

Alaska has plenty to offer new UMR graduates, Hughes says. "Very few brand new roads are being built these days. In Alaska the odds are great that you will be building new roads, bridges and sewer systems that didn't exist before," he says. "This is one of the last places in the United States where a person can do this." In fact, this challenge is part of what kept Hughes from leaving Alaska. He said that he finds it exciting to "bring live television, Internet and phone to people who have never had access to it before."

## Alumni brave the great outdoors

Last summer, Wilson Hughes, EE'69, hosted a UMR alumni retreat at a lodge deep in the wilderness of Alaska. During the week of July 23-27, nine alumni (including Hughes) spent the week getting to know each other and taking time to "fish some of the best waters in Alaska and hike some of the best terrain," says Hughes, executive vice president and chief operating officer of GCI in Anchorage, Alaska. GCI provides voice, video and data communication services.

The Wak lodge, where the retreat was held, is owned by GCI. The company bought the lodge five years ago and uses it to entertain GCI employees and customers. Between 10 to 15 percent of the lodge's guests are employees who are part of a reward recognition program set up within the company. "We use the lodge to build good relationships with our employees and customers alike," says Hughes. The lodge is located on the Agulowak River in Wood Tikchik State Park south of Dillingham, Alaska, and is only accessible by plane or boat.

Joining Hughes at the retreat were **Paul Grayson**, CSci'74, president and chief operating officer of Alibre Inc. in Richardson, Texas;

**Wayne Huebner**, CerE'82, PhD CerE'87, vice provost of research and sponsored programs at UMR;

**Barry Koeneemann**, CE'70, chief operating officer of United Construction Enterprise Inc. in St. Louis, Mo.; **Joseph "Joe" Perkins**, CE'61, commissioner of the Alaska Department of Transportation in Juneau, Alaska;

**Norman Pond**, Phys'59, president and owner of Intevac Inc. in Santa Clara, Calif.;

**J. Ken Thompson**, PetE'73, president of Pacific Rim Leadership Development in Anchorage, Alaska;

**Richard "Dick" Stegemeier**, PetE'50, chairman emeritus of Unocal Corp. in Anaheim, Calif.; and

**Ted Wiese**, EE'67, retired chief operating officer of Federal Express in Wellington, Fla.

## 19 20s

1928

**Albert L. Hill**, CE: "Still going at the age of 98."

## 19 30s

1936

**Herman J. Pfeifer**, MetE: "Will celebrate our 65th wedding anniversary in November 2002. Still play golf or a reasonable facsimile thereof. Have enjoyed good health and wish the same for you."

1939

**Edgar S. Miller**, CE, and his wife, Peg, celebrated their 59th anniversary Oct. 9, 2002, with a week in London aboard the *Queen Elizabeth 2*.

## 19 40s

1940

**Edward C. Romine**, ChE: "Dorothy and I celebrated our 62nd wedding anniversary this past year. We expect to celebrate several more, as we both are in decent health. I have been retired for 21 years after working for Mobil for 41 years."

1943

**H. William Flood**, ChE: "I am getting back to normal after a 42-session protocol of external radiation for prostate cancer. Everything looks good at this point. I turned 80 this year."

1947

**Eloy M. Cueto**, MetE: "After 40 years in the steel business, I retired in 1988. I am in fairly good health, but had to give up golf."

1948

**Kenneth E. Niewoehner**, MetE: "My wife, Phyllis, and I just returned from biking Provence, France, with Elderhostel. We recommend the experience!" • **Bernard J. Sexauer**, MetE: "Still happily retired in Naples, Fla."

1949

**Roy B. Deason**, CE: "June and I are doing fine and enjoy living in the foothills of the Great Smoky Mountains in East Tennessee."

### Thompson receives outstanding service award

The International Association for Housing Science (IAHS) has honored **LeRoy E. Thompson**, CE'56, MS CE'65, for outstanding service. Delegates from 48 countries attended the IAHS world conference on Sept. 9-13, 2002, in Portugal, where Thompson, a founding member of IAHS and treasurer since 1972, received his award. He is vice president and principal of Corzo Castella Carballo Thompson Salman (C3TS), an architectural and engineering firm based in south Florida.

### Burst honored with two international awards

The Russian Academy of Natural Sciences recently honored **John F. (Jack) Burst**, CerE'43, MS CerE'47, with two international awards for petroleum engineering work he did in 1959. Burst, president of Triangle Environmental Science and Engineering in Rolla, is also an adjunct professor of geology and geophysics at UMR. Burst received the Albert Einstein Gold Medal of Honor from the U.S. branch of the Russian Academy of Natural Sciences and the Kapitsa Medal from the academy's Moscow headquarters. He has also been invited to join the Russian Academy of Natural Sciences. The work that prompted the awards was Burst's paper, "Diagenesis of Gulf Coast Clayey Sediments and Its Possible Relation to Petroleum Migration," published in 1969 — 10 years after Burst wrote it — in the American Association of Petroleum Geologists Bulletin. Burst's paper has received international recognition in meetings held in Madrid, Spain, in 1973; Strasbourg, France, in 1989; and Nottingham, England, in 1997.

## 19 50s

1950

**Eugene A. Bartels**, CE: "We celebrated our 51st anniversary on Aug. 12, 2002." • **Delmar W. Breuer**, CE: "Continuing to be reasonably active, mentally and physically." • **Russell Day**, CE: "In 1993, I retired from government service after 41 years as a civil/structural engineer. Some of my projects were in New Jersey, Delaware, South Carolina, California, Oklahoma, Illinois, Florida and Maryland." • **Robert H. Erskine**, MetE: "Retired Feb. 1, 2002, after 51 years of full-time work with three corporations — 29 years, seven years and 16 years." • **Albert Krainess**, MetE: "I retired as a project metallurgical engineer with the Dyna-Drill division of Smith International Inc. in Irvine, Calif., where I did engineering support for the manufacturing department. My wife, Sarah Lou (Bales), is from Waynesville, Mo. We would like to visit in the Rolla, Waynesville and Branson areas at least once more. We trust it is a splendid year at MSM-UMR."

1955

1955

**Herman A. Ray**, CE: "I chose to let my Missouri registration E11834 expire as of Dec. 31, 1992."

1956

**Joseph B. Dillon**, CE, retired from the Los Angeles County public works department in 1990 after 33 years of service.

1958

**Richard C. Dendler**, GGph: "Frankie and I moved to Fairfield Glade, Tenn., amongst other old folks. It's a beautiful place. Come and see us." • **John F. Kirse Jr.**, CE: "Retired in June 2000. Enjoying 11 grandchildren with three more in the oven. Lots of golf, along with hunting, fishing and looking after a little farm acreage."

1959

**James E. Saultz Sr.**, EE, was inducted into the Belton (Mo.) High School Hall of Fame in October 2002. Saultz worked at NASA in Houston, Texas, in several positions, including Mission Control room support for the *Gemini* and *Apollo* missions. In 1978, he was the lead controller for Skylab's return to Earth. • **Carl R. Schumacher**, CE: "Retired July 1, 2002, from the City of St. Louis water division with 43 years of service. I am spending my extra time at the YMCA and working with the Boy Scouts." • **James L. Shoemaker**, CE: "Retired in January 2001 and sold the company."

1951

**Howard A. Olson**, GGph: "Retired 10 years ago and have been traveling ever since. It's been wonderful!"

1952

**Gregory V. Menke**, CE: "Retired from International Harvester Co. with 25 years of service and from National Steel with 15 years of service."

## Many bridges have been crossed

During World War II, Lt. Col. **John H. Livingston**, CE'39, led the Army's 245th Engineer Combat Battalion in building bridges and clearing the way for allied troops.

Livingston was awarded Bronze and Silver Star Medals "for heroic service in connection with military operations against the enemy in Germany on March 6, 1945," as his official military citation points out. When Livingston was assigned to build a foot bridge across the Kyll River in Ehrange, Germany, he did so under enemy artillery, mortar and small-arms fire. Despite the danger, Livingston forged ahead with the bridge construction, determined to finish it so that infantry troops could cross. At one point he was wounded, but refused to give up, inspiring his men to keep on going.

According to Col. John S. Niles, "His personal courage, inspiring leadership and heroic devotion to duty are keeping with the highest traditions of military forces of the United States."

Livingston was born in 1912 in Elk Prairie, Mo., and grew up on a farm, then attended MSM. He served in the Army Corps of Engineers and achieved the position of regimental commander with the rank of lieutenant colonel. He then served in the European theater during World War II and on occupation duty in Germany after the war.

In 1948, Livingston married Eilyeen of Shreveport, La., and received a master's degree in civil engineering from Texas A & M University. He and Eilyeen enjoyed 55 years of marriage in Louisiana until Eilyeen's death in 1998.



*Above: John Livingston, CE'39, in Germany during World War II with members of the 245th Combat Engineer Battalion (he is the one on the far left in the above photo) and today.*



Members of the 245th Combat Engineer Battalion watching Germans crossing their bridge from Branau, Austria to Simbach, Germany — after the war was over!  
Photo from the National Archives

# 1960s

## 1960

**Carol L. Blackwell**, CE: "Still enjoying retirement and our cabin at the Lake of the Ozarks." • **Bruce L. Bramfitt**, MetE, MS MetE'62, PhD MetE'66: "Still working in the research department of Bethlehem Steel (36 years). Published a book this year, *The Metallographer's Guide: Practices for Iron and Steels*, through ASM." • **Glenn I. Swartz**, MetE: "Retired April 29, 2001. Spend most of my time fishing and with my five grandchildren. I live on a 27-acre lake in southeast Iowa."

## 1961

**Eugene D. Brenning**, CE, was promoted to bureau chief of safety programs on Sept. 16, 2002. • **Farouk El-Baz**, MS GGph, PhD GGph'64, was appointed chief advisor to the Supreme Council of Antiquities of Egypt, to review the validity of scientific research proposals for archaeological investigations in Egypt. • **Charles F. Hollenbeck**, CE: "My daughter, Mary Ann, graduated in June 2002 with a B.S. in environmental science from Evergreen State College in Olympia, Wash. She spent the last quarter in Costa Rica researching butterflies, then three months backpacking around Central America. Now she's job hunting." • **Wayne C. Horton**, GGph, MS GGph'62: "Took early retirement from an independent oil and gas company in Tyler, Texas. My wife, Ann, and I plan to see the country in our 25-foot Airstream travel trailer." • **Bill Mathews**, CE, and his wife, Judy, traveled with Dianne and **Gene Brenning**, CE'61, from Fort Worth, Texas, to Naples, Italy, on Navy planes, traveling "space available," in September 2002. They then flew to England on military aircraft and on to Scotland commercially for a week-long vacation. Both men are retired colonels in the U.S. Army Reserve and are enjoying their retirement benefit from military service. • **Morris T. Worley**, MinE, a member of SME since 1956, has been selected SME's Heartland Standby alternate director. He is a registered professional engineer in New Mexico, Nevada, Wyoming, Utah, Oklahoma and Missouri. Worley is also an associate member of the International Society of Explosives Engineers and a member of the Mining History Association.

## 1962

**James O. Guest**, ME, MS EMgt'71: "I was recently elected to the Missouri House of Representatives from northwest Missouri. I still own and operate Guest Farms, Guest Rentals and a couple of pizza restaurants. Sharron and I have been married for 40 years with two children and two granddaughters. Looking forward to the political life in Jefferson City, Mo."

## 1963

**Richard L. Jaquay**, CE: "Presently starting up the 240 MGD design-build Detroit water plant." • **Clifton R. Jett**, CE: "Retired in June 2002 from the Missouri Department of Transportation after 40 years of service. Really enjoying my grandchildren, fishing, genealogy and other hobbies." • **Narendra M. Naiknimbalkar**, GGph: "Magdalena and I went to Munich to help our daughter and her family for their return to Bellingham, Wash., with Britax, after spending three years in Germany." • **Gary N. Pointer**, GGph, MS GGph'65: "Continue geological consulting from eastern Texas. Semi-retired near the Longview area."

## 1964

**L. Lynn Pruitt**, CE, MS CE'65, is vice president and federal market leader for Stanley Consultants, which was recently recognized by Civil Engineering News as the number one place to work among consulting civil engineering firms.

## 1965

**Terence N. Martin**, CE, was recognized by the secretary of interior with a Meritorious Service Award on May 15, 2002. Since 1973,

## Mystery author Lora Roberts publishes new book

Wordplay has paid off for mystery author **Lora Roberts Smith**, Engl'71, who writes under the pen name Lora Roberts. "I enjoyed playing with words from an early age," Smith, of Palo Alto, Calif., said in an interview with *The Rolla Daily News*. "And I loved to read. Mostly I became a writer because it was a way to justify my addiction to reading."

The Rolla native's eighth novel, *Another Fine Mess*, is the second book in a new mystery series. Before becoming a mystery writer, Smith worked as a reporter, public relations writer, technical editor and romance writer. As a mystery author, she has penned a six-book mystery series about a character named Liz Sullivan. *Another Fine Mess* is about a character named Bridget Montrose. The author describes the work as a "catchy whodunit" about the investigative path Montrose took to find out who murdered two fellow writers. Her next book in the series, *The Incognito Detective*, will be available this spring. Roberts' books can be found at [www.amazon.com](http://www.amazon.com), [www.borders.com](http://www.borders.com) and [barnesandnoble.com](http://barnesandnoble.com).



**Another Fine Mess follows Bridget Montrose as she uncovers the mystery surrounding the murder of two fellow writers.**

he has been a member of the Department of the Interior's environmental policy and compliance office in the office of the secretary. He is currently team leader, natural resources management. • **Robert L. Otto**, CE, MS EMgt'79: "Retiring at the end of 2002. Hope to play more golf and travel."

## 1966

**Willard W. Diel**, CE: "I am semi-retired. Worked on nuclear power plants for 16 years and owned my own company, surveying and engineering."

## 1967

**Lawrence J. Mikelionis**, ChE: "I am still working as an independent consultant to the pharmaceutical industry. With the booming economy, and a little luck, I figure I'm down to nine years before retirement. Life is good."

## 1968

**Bobby T. Cox**, MetE: "Acorn's move to a new building in 2001 has made it possible to expand our business this year. Sandy and I have added nine presses and related equipment to stamp and assemble all the components of a series of HD Diesel Oil Coolers for my brother, **Rick Cox's**, ME'70, company R&D Enterprises. So far, we are still having fun and have no plans to retire." • **Rodger L. Elliott**, GGph, retired from Phillips Petroleum after more than 34 years of service. • **Leroy Halterman**, GGph: "I am still enjoying Albuquerque and serving as vice president of operations for Tecumseh Professional Associates. I still get to do some geology, mostly in oil and gas with some fieldwork looking for industrial minerals."

## 1969

**Joe Stahl**, Math, MS CSci'72: "It has been a very good year for my collecting interests. At the 30th Annual Fairfax Civil War show, my exhibit won the Best Memorabilia Exhibit award. Also, I have started writing articles about individual soldiers and their ID tags, which I collect. In March, the *Washington Times* published my first article and I have been notified that the *Gettysburg Magazine* will publish another article next year."

## Academics before athletics

Letting athletes slide by with low grades is unacceptable to **Gregory McClain**, EMgt'72, of Cedar Falls, Iowa. A member of the Iowa State Board of Education since 1992, McClain is working to make grade requirements higher for students to participate in athletics. He believes the academic standard for high school students should be raised to a C average. "It's not that I don't support extracurricular activities. I do," McClain told the *Des Moines Sunday Register*. "They build character, leadership and all of that. But academics come first."

Having grown up in south Chicago just above the poverty line, McClain could have used this as an excuse to do poorly in school, but his mother would have none of that. "My mother made it very clear that average or substandard performance was not acceptable," McClain told the *Register*.

Now manager of John Deere Engine Works in Waterloo, Iowa, McClain participated in sports throughout high school, at UMR and even professionally. He believes that all students can be held to higher standards and emerge successfully. McClain also stands firm in the belief that doing well in the classroom should be a top priority.



## Ehie named associate dean at Kansas State

**Ike Ehie**, PhD EMgt'89, recently joined Kansas State University's College of Business Administration as an associate dean, director of undergraduate studies and an associate professor of management. Ehie spent 13 years with Southeast Missouri State University as professor and as chair of management and management information systems. His research work has included implementation of advanced manufacturing technologies, manufacturing outsourcing, identifying critical issues in enterprise resource planning implementation and a study of strategic logistics information systems. In 1998, Ehie served as a United Nations consultant to the Transfer of Knowledge Through Expatriate Nationals program in Nigeria.

## Crawford receives GEM Black Engineer of the Year Award

**Mark Anthony Crawford Jr.**, ME'96, received the Graduate Education for Minorities (GEM) Student Leadership Award in February at the 17th annual Black Engineer of the Year Awards Conference in Baltimore, Md. The awards recognize successful black inventors, technical innovators, gifted scientists, budding engineers, and high-level managers and executives. Crawford works for Ford Motor Co., where he is part of the Global Core Engineering Vehicle Dynamics Group and is working to integrate software to assist in the development of chassis control systems. He was awarded the GEM Ph.D. fellowship in 2002 and is currently pursuing a Ph.D. in mechanical engineering from the University of Michigan. At UMR he was a member of the Association for Black Students, the National Society of Black Engineers, Alpha Phi Alpha Fraternity and the Society of Automotive Engineers, and was a writer for *The Miner*.

# 1970s

## 1970

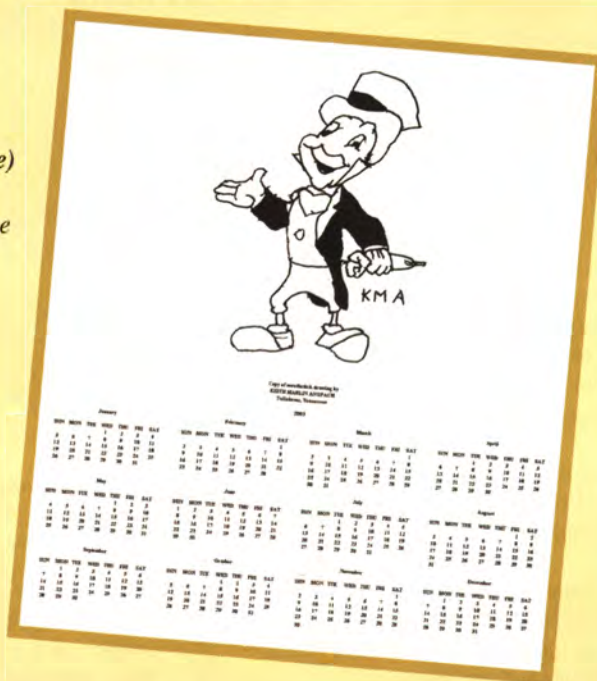
**Kent T. Florence**, CE: "Retired from Metropolitan St. Louis Sewer District in July 2001. Doing volunteer work at St. Louis Zoo, active in American Legion Post III, Shrewsbury, Mo., and also tutor third graders at North Glendale Elementary, Glendale, Mo." • **Dennis W. Schroll**, AE: "Working now in the T-6A program office, Wright-Patterson Air Force Base, Ohio, as a lead crew systems engineer. Recent efforts are to minimize noise exposure to instructor pilots." • **Arthur A. Schweizer**, MetE, is president-elect of SME. Schweizer has been involved with SME and the mineral processing division for more than 30 years. He also served for several years on the SME board of directors, the investment committee and as vice president of finance from 1998 to 2001. • **Richard K. Thomson**, AE, MS AE'71: "God continues to bless my family and me. I find participating in the prison ministry Kairos to be especially fruitful as God pours out blessings from heaven on those who serve." • **Anita L. Williams**, GGph, MS GGph'73: "I am still in Anchorage, Alaska, enjoying the warmer summers. Thanks, global warming! I would love to hear from any geologists or spelunkers from the years of 1965-1972. My email is awilliam@alaska.net."

## 1971

**John H. Atkinson III**, EMgt, retired from teaching in the civil engineering department at the University of Missouri-Columbia to fully devote his time to farming, arbitration and his church. • **Patrick M. Dulatt**, EE, MS EMgt'82, is a professional engineer at Schultz Design, an architectural engineering company. • **Michael T. Hermesmeier**, CE: "Recently elected chairman of the Economic Council of Martin County while continuing to serve as the civil director of the Florida Institute of Consulting Engineers and on the board of directors of the Stuart/Martin County Chamber of Commerce. I was also fortunate to be named Engineer of the Year for the Treasure Coast of Florida for the second time." • **Robert L. Ward**, CE, MS CE'74, a professor of civil engineering at Ohio Northern University in Ada, Ohio, introduced the TEAMS competition (a high school engineering competition) to ONU. Last year, the competition drew 450 high school students, the fifth largest site in the United States.

## Jiminy Cricket!

*This calendar is the latest work of Keith M. Anspach, the son of E.E. (Gene) Anspach, EE'58. The artwork was done completely by mouthstick. Keith Anspach holds a Ph.D. in engineering science from the University of Tennessee Space Institute, and is working full time at the Arnold Engineering Development Center.*



*(Continued on page 40)*



## THE BACHELOR

# FROM M.E. TO T.V.

by Mary Helen Stoltz (mhstoltz@umr.edu)

photos courtesy of ABC



Aaron Buerge's public quest for romance did not succeed — but he appreciates the opportunity his notoriety has given him to help others.

On Sept. 25, millions of Americans tuned in to the premiere of the second season of ABC's "The Bachelor," to watch **Aaron Buerge**, ME'97, begin the very public quest for the love of his life. It was the chance of a lifetime for a guy who is a UMR graduate — the chance to turn the tables on UMR's infamously low guy-to-girl ratio by dating 25 women in a matter of weeks.

Thanks to the TV program, Buerge is now recognized wherever he goes. In his hometown of Springfield, Mo., people try to respect his privacy, but in New York and L.A. he quickly draws a crowd. He receives boxes of fan mail — everything from pictures of women in bikinis to mothers introducing their daughters.

Buerge, a third-generation banker, is senior vice president of First National Bank in Springfield, Mo. His father and brother are in the banking business in Joplin, Mo. (His other brother is studying mechanical engineering at Washington University.) But Buerge went out on his own to develop a new branch in a new market.

Being a banker wasn't always Buerge's dream. As a kid he wanted to be either an engineer or an architect. "I like engineering and I love higher math," Buerge says, so he came to UMR to pursue a degree in mechanical engineering.

After graduating from UMR, Buerge studied in Italy for a year to obtain a master's degree in international finance through a Clemson University program. He planned to go into middle management in engineering, but when he returned he had a choice: accept an offer at Modine Manufacturing in Joplin, Mo., where he worked prior to graduate school, or go to work in the family business. He chose banking. "It was the best career move I've made."

Though not an engineer, Buerge uses the skills he developed at UMR on a daily basis. "Engineering teaches one to think analytically," he says, "and that has been the biggest benefit from attending UMR. Knowing how to approach a problem and solve it in an analytical manner without any emotional involvement has helped me throughout every aspect of my career." (You might imagine that skill came in handy during his turn on "The Bachelor." It did. "But, you have to be careful not to outsmart yourself being overly analytical," he says.)

For Buerge, one of the best parts of the whole "Bachelor" experience is the opportunity his celebrity status gives him to help others. "I've been able to create a venue to give money to those who need it," he says. For example, Buerge helped a diabetic boy from Butler, Mo., by raising money for a new insulin pump.

His notoriety has helped him professionally as well. Earlier this month he gave the closing speech at the annual conference of the Independent Community Bankers of America, where Federal Reserve Board Chairman Alan Greenspan was the opening speaker.

After the final episode of "The Bachelor" aired in November, Buerge traveled around the country on a media tour. He visited with Jay Leno, Caroline Rhea, the ladies from "The View," Conan O'Brien and David Letterman, among others. "I did as many as 32 interviews in one day — with 24 the previous day."

While he had fun with his numerous TV guest appearances, including the ABC sitcom "Less Than Perfect," Buerge has no plans to switch careers. "I'm not an aspiring actor," he says. "I have a career in banking and I love my job and the people I work with." If a short-term project in the entertainment industry came his way, however, he wouldn't pass it up. "It's a lot of fun. It's been a great experience."

Buerge recently added entrepreneur to his list of job titles. In January, he opened Trolley's Downtown Bar and Grille, a sports bar and restaurant in Springfield.

# Future Miners



*The Matteoni brothers: Andrew, Dominic, Devin and Nicholas*

**Suzanne M. Alexander**, ChE'86, and her husband, Tom, had a girl, Claire Elizabeth, in May 2002. She is settling in with sister, Emily, and brother, Tommy.

**Thomas Butryn**, AE'98, MS EMgt'01, and his wife, **Ann**, EMgt'98, had a boy, Morgan Phillip, on May 24, 2002.



*Mary Therese Roth*

**Daniel Carbery III**, CE'96, and his wife, Lisa, had a girl, Lauren Rose, on Sept. 9, 2002.

**Seth A. Coggin**, CE'98, and his wife, Stacey, had a son, Garrett Alexander, on Sept. 20, 2002.

**Mary A. Florich**, GGph'84, and her husband, Bill, had a girl, Mary-Kate, on Dec. 29, 2000. She joins siblings, William, 12, Robert, 10, and Anne-Marie, 8.

**Donald B. Gripka**, CE'99, and his wife, Heather, had a girl, Madison Christine, on Sept. 20, 2002.

**Joshua W. Kathrinus**, CE'95, and his wife, Kathy, had a boy, Connor Joshua, on June 16, 2001.

**Nancy Matteoni**, CE'90, and her husband, Tony, had a boy, Nicholas, on Nov. 29, 2001. He joins older brothers Andrew, Dominic and Devin.

**Chris R. Nibeck**, EMgt'89, and his wife, **Kathy**, EMgt'84, MS EMgt'87, had a girl, Erin Kathleen, on Nov. 15, 2002.

**Sheila (Otto) Roth**, ChE'86, and her husband, Dave, had a girl, Mary Therese, on Nov. 11, 2002. She joins her big sisters, Calyn and Susan, and big brother, Benjamin.

**John Spegal**, EMgt'97, and his wife, **Gretchen**, MgSys'99, had a girl, Mercedes Jane, on June 5, 2002.

**Korena Sundell**, CE'94, and her husband, Bob, had a girl, Serena Jade, on Aug. 29, 2002. She joins her older brother, Jalen Karl.



*Kaitlyn Mae Turner*

**James E. Turner**, MetE'97, and his wife, Vicky, had a girl, Kaitlyn Mae, on June 29, 2002.

**If you have a birth announcement or a photo of your new little Miner, send it to us and we'll publish it in an upcoming issue of the magazine.**

## 1972

**Donald E. Rice**, GGph: "My job scope has increased to include new ventures on the shelf and onshore worldwide, though West Africa is still my main interest. I would like to discover another 290 MMBOE before calling it a career."

## 1973

**Donald Ray Frikken**, CE, an engineering fellow at Solutia Inc. in St. Louis, received the Melvin R. Green Codes and Standards Medal from ASME International. • **Gary Frossard**, EMgt, president of Kadean Construction, and **Pete Arman**, GeoE'87 & CE'88, the company's vice president and project manager, were featured in the St. Louis Business Journal in June 2002. The general contracting firm based in Fenton, Mo., had a record year in 2001 and was expecting an even better year in 2002, projecting \$30 million in revenue.

## 1974

**John E. Adams**, Chem, was nominated to be a candidate for grand master alchemist for the Alpha Chi Sigma Supreme Council's 2002-2004 Biennium, as reported in the Spring 2002 issue of The Hexagon of Alpha Chi Sigma. • **Don AufderHeide**, Math, retired from teaching at Hermann (Mo.) High School. For the last 23 years, he taught pre-algebra and geometry courses at HHS. Prior to that AufderHeide taught five years at the Camdenton Junior High School. • **Col. Michael J. Miller**, AE: "Recently reassigned from vice commander, 37th training wing to director, personnel, headquarters air education and training command."

## 1976

**Russell J. Crane**, CE: "Currently serving as 2002 chairman of the board of directors of associated general contractors of Missouri, representing more than 350 members in the highway, heavy and utility construction industries in Missouri."

## 1977

**Terry A. Sudholt**, CE, recently received certified cost engineer certification.

## 1978

**James L. Donahoe III**, GGph, and **Rona J. (Whittall)**, GGph'78: "Still at the University of Alabama. The children, James, 8, and Caitlin, 15, accompanied us on recent trips to Switzerland and North Carolina." • **Alan W. Green**, CE: "We have just returned to the Houston area after five years overseas." • **David W. Ihms**, Chem, PhD Chem'87: "My son and I attended an Intelligent Design conference in Kansas City. There were some excellent biochemistry presentations. Hopefully, my son will be at UMR the fall of

2004 in the chemistry graduate program." • **James G. Kettinger**, ChE: "As of Oct. 4, 2002, I am working for Conoco Phillips as advanced process control engineer at the Borger, Texas, refinery. Same job, same place, different company." • **Michael E. Schaefer**, CE: "Just retired from the Navy, after 24 years."

### 1979

**Kenneth R. Foster Jr.**, CE: "My wife, **Joyce**, CE'83, and I recently received promotions. My new position with MODOT is a supervising bridge inspection engineer. Joyce is a structural liaison engineer with MODOT. We now live in Jefferson City, Mo." • **Greg Wayne**, EE: "Our daughter is a freshman at K-State and our son is now 14." • **Katie Wesselschmidt**, CE, MS CE'81: "**Keith**, CE'80, and I are busy watching our boys, Ben and Sam, grow into 'Miner' material. Ben is a junior and Sam is a freshman at Lindbergh High School. I am serving a second term on the Lindbergh Board of Education and Keith is busy selling beer for Anheuser-Busch."

## 1980s

### 1980

**Timothy L. Hildenbrand**, GeoE: "Since graduating in May 1980, I have worked for Tenneco Oil Co., Royal Dutch Shell and I am now in year 12 with H. B. Zachry Co. Stop by and see **Debbie (Foy) Dorsett**, GeoE'80, who is also in San Antonio, and we will buy you lunch." • **Keith D. Wesselschmidt**, CE: "**Katie**, CE'79, MS CE'81, and I are busy watching our boys, Ben and Sam, grow into 'Miner' material. Ben is a junior and Sam is a freshman at Lindbergh High School. I am busy selling beer for Anheuser-Busch and Katie is serving a second term on the Lindbergh Board of Education."

### 1981

**Brian Gavin**, GGph: "Living in Spokane, Wash., working as vice president, exploration at Minera Ander Inc. and president of Franconia Minerals Corp." • **Jeffrey J.**

## Weddings

**Seng Chu Chow**, EE'88, MS EE'91, and his wife, Meifing, were married in June 2002. The couple now lives in Kuala Lumpur, Malaysia.

**Steven W. Fry**, EMch'84, and Terese Drennan, were married July 6, 2002, in Denver. The couple enjoyed a road trip through the western states for their honeymoon starting at Jackson Hole, Wyo., and continuing through Yellowstone National Park.

**Heppermann**, GGph: "I'm president of the Southwest Louisiana Geophysical Society for 2002-2003. Stop by the Petroleum Club of Lafayette, La., on the second Tuesday of the month for our lunch meetings."

### 1982

**Vicki Sue Johnson**, AE: "I joined Boeing-Wichita in July 2001 as manager of aerial refueling systems. My team is responsible for all the hardware to get fuel off and on the airplane. It is exciting to have joined at the start of the program."

### 1983

**Joyce Foster**, CE: "My husband, **Ken**, CE'79, and I recently received promotions. My new position with MODOT is a structural liaison engineer and Ken's new position is a supervising bridge inspection engineer with MODOT. We now live in Jefferson City, Mo." • **Glenn S. Heil**, ChE: "Currently doing environmental work for DuPont at the Sabine River Works. My three sons: Nick, 14, Brett, 11, and Mitch, 9 are enjoying Orange, Texas." • **Don Markus**, CE, joined Morrissey Construction Co. as an estimator. He lives in Edwardsville, Ill. • **Doug Wesselschmidt**, CE: "I have been elected president of the Kansas City Metro chapter of the American Public Works Association. The chapter has more than 800 members and recently hosted the International Congress and Exposition in Kansas City."

### 1984

**Mary A. Florich**, GGph: "Bill is attending graduate school (work sponsored) this year, so we are very busy. A warm 'hello' goes out to all." • **Jeffrey W. Knight**, PetE, MS PetE'87: "Melissa and I are still doing well after 13 years. Our son, Joseph, is now in the fourth grade, while our daughter, Kaitlin, just started kindergarten this fall. I'm blessed to still be employed in the petroleum industry." • **Terry C. Leeds**, CE: "After 17 years in south Kansas City, Mo., Dana, our four daughters and I reside in the northland of Kansas City where we both grew up. May God bless you and the USA." • **Paul L. Schattgen**, EMgt, MS EMgt'96: "I will take command of the NOAA ship RUDE in March 2003. The ship will conduct hydrographic survey operations on the east coast of the United States. My wife Kimmi, Willie, 8, Charlie, 5, and Abbie, 1 1/2, are doing great."

### 1985

**Rebecca J. Mulcahy**, CE: "I'm working part time now as a traffic engineering consultant. It allows more time with our children Tyler, 7, and Rachel, 5. We live in Jupiter, Fla."

*(Continued on page 43)*

WHAT'S NEW WITH YOU?

Send us your alumni notes via:

EMAIL: alumni@umr.edu  
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 MAIL: MSM-UMR Alumni Association, University of Missouri-Rolla, Castleman Hall, 1870 Miner Circle, Rolla, MO 65409-0650

# Giving back to UMR: a rational choice

by Mary Helen Stoltz (mhstoltz@umr.edu)

**Austin Armbruster**, ME'00, (below) was working in a co-op job, doing typical engineering work, when he was assigned a task normally reserved for a computer scientist. He loved the new work and realized computer science was where he wanted to be. Now Armbruster is working toward his Ph.D. in computer science at UMR with hopes of becoming a college professor. "While I thoroughly enjoyed my work as an engineer, I found a true passion for computer work," Armbruster says. "I have found having both skills to be very beneficial."

He uses those skills in his research at UMR, a combined effort between the computer science and electrical and computer engineering departments to develop flexible alternating current transmissions systems, or FACTS. These devices could be used by utility companies to transfer power flow to lesser-used lines when main transmission corridors become overcrowded, helping to avoid cascading power outages like the New York City blackout of the 1960s.



Armbruster's role is to assist his advisor, **Bruce McMillin**, professor of computer science at UMR, in developing computer software to control the devices. Soon that work will be made much easier thanks to two new software programs obtained through Rational Software's SEED Program. Through SEED (Software Engineering for Educational Development), Rational grants software licenses and instructor materials to assist university faculty in developing curriculum for classroom instruction. **Frank Liu**, associate professor of computer science and director of UMR's Software Engineering Laboratory, coordinated the SEED project for the campus.

The programs are Rational Suite DevelopmentStudio and Rational Suite DevelopmentStudio Real Time. Armbruster works with the development and analysis of the distributed control algorithm. "Rational's software will be used to model the software and the hardware of the FACTS devices," Armbruster says.

Armbruster is looking forward to working with the Rational software because it allows for code generation. "With the code generation feature we will be able to generate text similar to what a computer programmer would write for the Unified Modeling Language (UML) model," Armbruster explains. This feature saves time and is more accurate, since the code is no longer hand generated. "You must create a more detailed or complete model, but the extra time spent on the model is well worth the effort."

Undergraduate students will also get to take advantage of the software as part of the CS308 course on object-oriented analysis and design, although probably not until next semester.

**John Lovitt**, MS CSci'70, understands the importance of giving UMR students this type of opportunity. As the vice president of worldwide services for Rational, he is responsible for the company's services strategy and operations around the world. "UMR helped build a foundation for me that has been very useful in my professional career," Lovitt says. "It has allowed me to play a significant role in building Rational Software, and improving its software development capability. Enabling others to do that as well is important to me personally, and to Rational Software as an enterprise." That is why in addition to his personal giving, Lovitt supports the SEED program "to provide access to our tools and technologies for universities like UMR who train the next generation of software development professionals."

***Austin  
Armbruster  
is working  
on research  
to develop  
flexible  
alternating  
current  
transmissions  
systems,  
or FACTS.***

**1986**

**William M. Dalton**, ChE: "I am still with Elisha Technologies of Orscheln Industries and currently working research applications to the Metal Finishing Industry. The work is very enjoyable but challenging." • **Greg L. Husmann**, CE: "Project management is challenging; never have the same day twice and it's rewarding to see contributions in the final product." • **Brent McKinney**, EE, MS EE'87, MS EMgt'96, was featured in the *Springfield Business Journal's* 2002 "40 Under 40" issue. McKinney is the manager of electric transmission and distribution for Springfield City Utilities, where he works to resolve all kinds of issues, from personnel to budget to construction. • **Kathie Rupert-Wayne**, GGph: "I continue to be the system administrator for Ottawa University's online program. Our daughter is a freshman at Kansas State and our son is 14 now."

**1987**

**Pete Arman**, GeoE, CE'88, vice president and project manager for Kadean Construction and **Gary Frossard**, EMgt'73, the company's president were featured in the *St. Louis Business Journal* in June 2002. The general contracting firm based in Fenton, Mo., had a record year in 2001 and was expecting an even better year in 2002, projecting \$30 million in revenue. • **John R. Frerking**, CE:

"My wife, Mary, and I live in Kansas City, Mo., near the Country Club Plaza. We've been married a short three years. Was able to tour the new civil engineering building over Homecoming and, wow! It looks great." • **Joeddy W. Hayes**, ChE: "My family and I are enjoying living in Knoxville, Tenn. I am a system engineer for DOE facility in Oak Ridge, Tenn."

**1988**

**SengChu Chow**, EE, MS EE'91: "I am working as a senior lecturer for Taylor's College, Malaysia-University of Sheffield, England. After all of these years of waiting and searching, I finally married in June 2002. My lovely, wife, Meifing, and I live in Kuala Lumpur. Believe it or not, I still dream of Rolla from time to time."

**1989**

**Wayne A. Hopkins**, GGph, MS GGph'93: "Finishing up the third historical renovation. We will be building the 'dream house' next. Jacob is 6 now and in first grade. Howdy from Texas." • **Frank L. Kartmann**, CE, was promoted to vice president of operations at Missouri-American Water Co., which owns and operates the private water service utility in Jefferson City, Mo., under a franchise agreement with the city government. • **John Meyers**, EMgt: "I am finishing my master's

in engineering management at KU and **Kristy (Weber)**, EMgt'91, is splitting her time between twin kindergartners and working as a fitness instructor/personal trainer." • **Jeana L. Smith**, CE: "Tom, ME'85, MS EMgt'87, was recently promoted to director of applied technology at Emergency One and I am a stay-at-home mom for Melissa, 7, and Matthew, 5."

**1990s**

**1990**

**Cynthia L. Fischer**, CE: "My husband, **Bob**, MetE'90, and I continue to reside in south St. Louis County. We are enjoying raising our two children, Audrey, 6, and Blake, 2." • **Nancy Matteoni**, CE: "Tony and I welcomed the latest addition to our family on Nov. 29, 2001. Nicholas joins his older brothers, Andrew, Dominic and Devin. We are wondering if any of them will be future Miners like their mom, Uncle **Fred Niemeier**, MetE'95, or Aunt **Jessica (Thomas) Niemeier**, GeoE'97. I am still working for Jacobs Engineering (formerly known as Sverdrup) as a bridge engineer but now on a part-time basis. I have a wonderful schedule that allows me to work from home most of the time. My one day in the office is my 'vacation' day." • **Amy D. Ruggeri**, CE, MS CE'91: "I am still at the city utilities in Springfield, Mo., doing long-range planning for natural gas and water. Both of my boys are in school now — kindergarten and second grade. My husband is growing his new businesses: [www.Quikdine.com](http://www.Quikdine.com) and [www.SpringfieldBeverage.com](http://www.SpringfieldBeverage.com)." • **Claudia C. Scheer**, CE: "I am a Hydraulic engineer for USDA-NRCS at our National Water Management Center in Little Rock, Ark., since May 2000. Never in my wildest dreams did I ever think this Missouri girl would end up in Arkansas! My most recent project is working with a team updating TR-55 from DOS to a Windows version. Also, developing a lot of hydrology training for new agency employees. Having a lot of fun doing that."

**1991**

**Thomas F. Hughes**, EMgt: "Sue, EE'93, and I are doing great." • **Kristy (Weber) Meyers**, EMgt: "I am splitting my time between our twin kindergartners and working as a fitness instructor/personal trainer. **John**, EMgt'89, is finishing his master's in engineering management at KU."



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(Continued on page 44)

**1992**

**John E. Goethe**, AE, MS AE'94: "I moved from Boeing to Airbus in June 2002. Airbus has placed a startup engineering design office in Wichita, Kan., that is the talk of the town."

• **Peter Robert Laudon**, MS GGph, BS PetE'95: "All is well here in Houston. Catherine, Sam and I are playing lots and lots of tennis." • **Charles Misner**, EMgt: "I received a promotion in October 2002 and will be working in the Chicago area as director of terminal operations in transportation for Union Pacific Railroad. Julie is a stay-at-home mom taking care of Alexander, 17 months. Our new address is 1163 N. Camden Lane, South Elgin, IL 60177. Email address is juliemisner@sbcglobal.net." • **Karla Woods**, Econ, was recently featured in the *Springfield Business Journal's* 2002 "Women in Business" issue. Woods owns and operates a State Farm Insurance office in Buffalo, Mo.

**1993**

**Jeffrey T. Butler**, CE: "Cara, our two-year-old son, Spencer, and I live in Wentzville, Mo. Everyone is healthy and happy. We always love to have friends stop by for a visit." • **Bart Collins**, CE, has joined Mellinger Commercial LLC. He has nearly 10 years of experience as an engineer and in commercial real estate investment in Springfield, Mo. • **Jon Michael Gibbs**, PetE: "Hello everyone! I am really enjoying traveling to London, Amsterdam and Kamakhstan with my current job."

**1994**

**Michael M. Hall**, CE, was elected vice president and principal of MECO Engineering Co. Inc., where he will be active in the day-to-day management and operation. • **Christopher A. Kloiber**, CE: "Still with the Naval Reserve as a Seabee and recently advanced to petty officer first class. Last year, I married Cheryl." • **James Swinford**, ME, has joined the law firm of Rabbitt, Pitzer and Snodgrass P.C. as an associate. Prior to

joining the law firm, he worked as a mechanical engineer in the construction and manufacturing fields. • **Steven E. Weible**, CE: "I was licensed as a Missouri Professional Land Surveyor in June 2002."

**1995**

**Joshua W. Kathrinus**, CE, currently employed at American Bottoms WWTP in Sauget, Ill. His wife, Kathy, gave birth to their first son, Connor Joshua. • **Denise Lenley**, Chem, has been promoted to manufacturing leader of a product-manufacturing support team at Aventis Pharmaceuticals.

**1996**

**Michael L. Alberswerth**, CE: "In February 2002, I learned that I had passed the Missouri Professional Engineer exam. I continue to work for the Frontenac Engineering Group as a structural engineer." • **Tony Mezones**, CE, was promoted to project manager at Clayco Construction Co. He has been a project engineer with Clayco since 1998.

**1997**

**Aaron Buerge**, ME, was featured in the *Springfield Business Journal's* 2002 "40 Under 40" issue. He is senior vice president of First National Bank in Springfield, Mo. Buerge was recently featured on the ABC reality program, "The Bachelor." • **Jonathon James Luca**, EMgt, recently received a juris doctor degree from the Florida Coastal School of Law in Jacksonville, Fla. • **Marc A. Sokol**, CE, MS CE'98: "On March 26, 2002, I became a granddad to Hailie Ayana Kelly (my daughter, Heather's baby). My other daughter, Rebecca, started college at Northern Arizona University. I am proud of them both." • **Jiixin Zhao**, ME, received the Marshall B. Peterson Award from the American Society of Mechanical Engineers for academic excellence and research dealing with the problem of mixed lubrication during start-up and shut-down of heavily loaded contacts.

**1999**

**Dan Fuhrmann**, ME: "I own and operate Route 66 Bicycles in downtown Rolla, Mo. My email is kicks@route66bicycles.com." • **Rich Permenter**, Engl, Hist: "In August 2002 I started ministering to students at South County Baptist Church in St. Louis." • **Gretchen Spegal**, MgSys: "John, EMgt'97, and I have a baby girl. We are in the process of moving yet again. This time to a small home we had built on 14 acres."

# 2000s

**2000**

**Stephen Gose**, CE, was named assistant civil engineer in the aviation and architectural group at Burns & McDonnell. • **Lee Harmon**, Hist, was named New Teacher of the Week in Vienna, Mo. He teaches special education for fifth through eighth grades at Maries County R-1 school. • **Navdeep Singh**, ME, was named assistant mechanical engineer in the energy group at Burns & McDonnell. • **Mark Winschel**, ME, has joined S. M. Wilson & Co. as a project engineer. His experience includes working at the new senior community center site at the Jewish Center for the Aged, as well as the Mastercard International Global Technology Operations Center in O'Fallon, Mo.

**2001**

**Rita Ellen Eye**, BioS, entered the University of Missouri-Columbia School of Medicine in August 2002. She was one of 96 students to enter the medical school in 2002.

**2002**

**Christopher Leonard**, CE, has joined S. M. Wilson & Co. as a project engineer. He is working on a construction program for the Pattonville (Mo.) School District. • **Nicholas A. Ulmer**, Econ, MgSys, was commissioned as a naval officer after completing Officer Candidate School at Naval Aviation Schools Command, Naval Air Station, Pensacola, Fla. Ulmer received extensive instruction on a variety of specialized subjects including navigation, ship handling, engineering, naval warfare and management. Ulmer also completed a demanding daily physical fitness program that involved running, swimming and calisthenics.



**EMAIL @ email**

**Daniel Fuhrmann**, ME'99, kicks@route66bicycles.com  
**James O. Guest**, ME'62, MS EMgt'71, jguest@ccp.com  
**Charles Misner**, EMgt'92, juliemisner@sbcglobal.net  
**Anita L. Williams**, GGph'70, MS GGph'73, awilliam@alaska.net

1933



**Vernon L. Asher, CE**, was a member of Glee Club, Officers Club and Triangle fraternity while attending MSM-UMR. He was a World War II veteran, a 40-year employee of Southwestern Bell Telephone

Co. and a 50-plus-year member of Kirkwood United Methodist Church. Asher was also a member of Telephone Pioneers, National Society of Professional Engineers, Retired Officers Association, Reserve Officers Association, VFW of Ballwin, Rolla Lodge #213 AF and AM, Rolla Commandry #59 Knights Templar, Scottish Rite, York Rite, Moolah Shrine Temple, and the Rolla Chapter Order of Eastern Star #176. He was a past president of Kirkwood High 12 Club, South County Shrine Club, past associate guardian of Bethel #5 and International Order of Job's Daughters. †Aug. 25, 2002

**Leo H. Merchie, ChE**, †Jan. 3, 2002

1934

**Thomas S. Donahue, ChE**, †June 7, 2000



**Kenneth H. Sievers, EE**, was a member of AIEE, Theta Tau Omega, Senior Council and served as secretary for his class while attending MSM-UMR. †UMR notified of death Aug. 30, 2002

1935



**Robert H. Buck, ME**, was a member of Sigma Nu, Tau Beta Pi, St. Pat's Board, Officers Club and the Athletic Association while attending MSM-UMR. Following graduation, he was

commissioned as a reserve officer in the Army, retiring with the rank of lieutenant colonel in 1966. During WWII, Buck served in New Guinea and the Philippines. He was an engineer at Monsanto for 23 years and volunteered at the Missouri Botanical Garden, working on the grounds crew and in the bindery. †Aug. 8, 2002



**Glennon Louis DeRoy, ChE**, was a member of Pi Kappa Alpha and the Officers Club while attending MSM-UMR. †July 14, 2002



**Max M. Fischer, ME**, was a member of Blue Key, ASME, Officers Club, Phi Kappa Phi and Tau Beta Pi while attending MSM-UMR. He was an ROTC honor graduate. †May 4, 2001

1936



**Robert T. Chapman, MinE**, started his career as an engineer at the Bingham Canyon operation in Utah, then worked for Morococha Mine in Peru for Cerro de Pasco and Alcoa and Reynolds Metals in Arkansas and Haiti. He conducted exploration in the southwest Pacific and later worked for Union Carbide, the Potash Corp., M.A. Hanna, Ralph M. Parsons and Minerva Oil Co. Much of his time was spent in South America with other assignments in Europe, Jordan, Asia and Africa. After retiring in 1973 from the Duval Corp., Chapman served as a consultant for Dravo Corp. †July 30, 2002

1939



**Arthur W. Clarkson, CE**, was a member of Lambda Chi Alpha, ASCE, Interfraternity Council and the golf team while attending MSM-UMR. As a student, Clarkson worked for the Missouri Pacific Railroad in Missouri and Louisiana. He later worked for the Missouri Department of Health and served in the Army Air Corps Sanitary Corps. Following WWII, he transferred to the Air Force Ready Reserve program, retiring as a colonel. He worked for the Montana Department of Health, heading the water supply section, and served on the Governor's Technical Advisory Council to Gallatin Canyon planning group. After retiring he served on Lewis and Clark County Water Quality District. He was a reservist with the U.S. Federal Emergency Management Agency from 1982 until 1998. †Oct. 1, 2002

Following WWII, he transferred to the Air Force Ready Reserve program, retiring as a colonel. He worked for the Montana Department of Health, heading the water supply section, and served on the Governor's Technical Advisory Council to Gallatin Canyon planning group. After retiring he served on Lewis and Clark County Water Quality District. He was a reservist with the U.S. Federal Emergency Management Agency from 1982 until 1998. †Oct. 1, 2002



**A.E. Rhodes, ME**, was a member of Student Council, Theta Tau Omega, ASME, Independents and the Engineer's Club while attending MSM-UMR. †Nov. 11, 2001



**Albert L. Tetley, CerE**, was a member of the Engineer's Club, Tau Beta Pi, Student Council, Theta Tau Omega and the *RollaMO* staff while attending MSM-UMR. †Sept. 26, 2002

1940



**Robert "Ken" Carpenter, ChE**, was a member of the Engineer's Club, Alpha Chi Sigma and AIChE while attending MSM-UMR. He spent his entire career in the zinc business, 32 years with American Zinc and six years with AMAX Zinc. After retiring in 1978 he volunteered with International Executive Service Corps. in Brazil, Egypt and Portugal. In 1992, The Bar Association of St. Louis named him "Missouri Inventor of the Year" for his method for purifying water of detergents. †July 31, 2002

1941



**Fred F. Burgett, CE**, was a member of Sigma Pi and Interfraternity Council and attended intramural sports while attending MSM-UMR. †June 9, 2001

**Marvin C. Grisham, CE**, †Sept. 10, 2001

1942



**Robert M. Dunham, ChE**, was a member of Alpha Lambda Tau, Student Council, the ROTC Band, Alpha Chi Sigma and AIChE while attending MSM-UMR. †Aug. 19, 2002



**Orville D. Penrose, MinE**, was a member of the Tech Club while attending MSM-UMR. †Sept. 16, 2002

**Gilbert R. Shockley, ChE**, †April 29, 2002

1943



**James R. Paul, PetE**, was a member of Sigma Pi while attending MSM-UMR. He received an Alumni Service Award in 1974. †Oct. 3, 2002

1945



**Harold F. Webers, ME**, was a member of Triangle fraternity, the *RollaMO* staff, M Club, ASME, Interfraternity Council and Blue Key while attending MSM-UMR. †April 8, 2002



## Memorials

1947



**George A. Allison**, MetE, was a member of Theta Tau Omega, AIME, SAME, the ROTC Band and M Club while attending MSM-UMR. †June 10, 2002

1949



**Milton R. Boehme**, ME, was a member of ASME while attending MSM-UMR. †UMR notified of death Aug. 19, 2002

**John T. Cullom**, MetE, a registered professional engineer in Arizona and California, was an officer in the Signal Corps during WWII. He worked at the Magma Copper smelter at San Manuel and the AS&R Hayden Smelter. He has five patents for smelting copper concentrates in converters and processing and handling the related process gases. Cullom wrote the section on reverberatory smelting practices in the AIME "Handbook of Mineral Dressing." †Sept. 26, 2001



**Calvin W. Duke**, EE, was a member of Kappa Sigma, AIEE, M Club, the swim team and the Missouri Academy of Science while attending MSM-UMR. †Jan. 12, 2002

**George R. Eadie**, NDD, was a group navigator during the bombings of the Polesti oil fields in Romania in the Army Air Force during WWII. He received the Distinguished Flying Cross, the Air Medal with two Oak Leaf Clusters and the Purple Heart and retired from the reserves as a lieutenant colonel in 1983. Eadie received B.S. and M.S. degrees in mining engineering from the University of Illinois and was a registered professional engineer in Oklahoma. He worked in Pennsylvania, Oklahoma and Illinois coal operations and taught mining engineering at the University of Illinois and Southern Indiana University. Eadie was associate editor of "Coal Mining and Processing," and an Illinois Geological Survey administrator. He was on the SME board of directors, chair of the Coal Division, alternate representative to ABET and SME's representative on the Technology Accreditation Commission. He was chair of the Chicago Section in 1972 and was elected a distinguished member of SME in 1988. †July 21, 2002



**Kenneth A. Guth**, ME, was a member of ASME while attending MSM-UMR. †June 26, 2002



**Earl E. Hoehn**, ChE, was a member of Kappa Sigma, AICHE, Gamma Delta, Alpha Chi Sigma, Blue Key, M Club and Tau Beta Pi while attending MSM-UMR. †July 11, 2002

1950



**Arthur O. Kruse**, CE, was member of Sigma Nu, Gamma Delta, Chi Sigma, ASCE and Theta Xi while attending MSM-UMR. †Aug. 7, 2002



**Arthur R. McDermott**, ChE, was a member of Alpha Chi Sigma, AICHE and MSPE while attending MSM-UMR. †Feb. 24, 2002

1951



**Richard L. Dickens**, EE, was an electrical engineer with Westinghouse Electric Corp. for 36 years. †July 9, 2002



**Clarence A. Lange Jr.**, CE, was a member of ASCE and was on the Honor List while attending MSM-UMR. †March 12, 2001



**William E. Rushton**, ChE, was a member of AICHE, APO and MSM Players while attending MSM-UMR. †Aug. 31, 2002

1952

**Mark F. Winton**, ChE, †Jan. 16, 2001

1953



**Charles H. Heeger**, CE, was a member of Sigma Phi Epsilon while attending MSM-UMR. He served in the Navy from 1946 to 1948, worked for Bridges Paving Co. for 14 years, and then as a carpenter for 25 years. He was a member of Union American Legion Post 297, Union Moose Lodge and Carpenters Local 1839. †Aug. 3, 2002



**Robert C. Spittler**, ME, was a member of Pi Kappa Alpha and ASME while attending MSM-UMR. He served two years with an Army anti-aircraft artillery battalion at Fort Bliss in El Paso, Texas, then returned to St. Louis and worked at Emerson Electric and McDonnell Aircraft Co. In 1966 he opened Country Acres Kennels, turning the business over to his son in the late 1990s. He was a member of the Ballwin Metro-West Rotary Club and the American Legion. †Sept. 8, 2002



**Jack K. Wade**, CE, was a member of the MSM Dorm Council, Chi Epsilon and American Road Builders Association while attending MSM-UMR. †Aug. 25, 2002

1954



**C. Scott Johnson**, Phys, was a member of Tech Club, Rifle Club, Sigma Pi Sigma, Tau Beta Pi, Phi Kappa Phi and received the Gold Key Award while attending MSM-UMR. Johnson pioneered research into dolphins' listening ability, discovering in the 1960s that their hearing was eight times stronger than humans', a discovery defined as the audiometric "Johnson Curve," recognized today as the classic study in its field. In a submersible named *See Sea*, Johnson conducted the Navy's first studies of sharks, developing a device to protect military personnel in shark-infested waters. He was named an honorary Navy Seal in 1977 and was recognized by the Acoustical Society of America. Johnson held 10 patents and published more than 40 scientific papers. †June 18, 2002

1956



**Kenneth A. Kleberger, CE**, was a member of ASCE, MSPE, Independents, Tech Club and American Road Builders while attending MSM-UMR. He obtained his professional engineer's license in 1962 and worked at Joyce Engineering and Research, Planning and Development Associates. Kleberger served as city engineer to the City of Washington and worked at Kleberger and Associates for more than 40 years. He was a member of MSPE, the Aircraft Owners and Pilots Association, and the Presbyterian Church of Washington, Mo. †July 15, 2002

**Tibor F. Loeffler, EE**, was a member of AIEE, Radio Club and Shamrock Club while attending MSM-UMR, and received the Enoch Needles Speech Award. †UMR notified of death Aug. 27, 2002

1958



**William D. Zieba, CE**, was a member of the Shamrock Club, ASCE, Chi Epsilon and was on the Honor List while attending MSM-UMR. †Feb. 24, 2002

1959

**Ronald C. Casagrande, CE**, was a member of Kappa Sigma, the *RollaMo* staff, Tech Club and Independents while attending MSM-UMR. †Jan. 6, 2001



**William F. Dennison, MetE**, was a member of Tech Club, Alpha Sigma Nu, AIMME, American Foundrymen's, American Society for Metals and received the Phi Kappa Phi Book Plate Award while attending MSM-UMR. †Jan. 7, 2002

**William A. Kruger, CE**, earned the Distinguished Service Award with Special Commendation from the National Council of Examiners for Engineering and Surveying for his record of dedicated service to the engineering and surveying professions. †June 30, 2001



**John L. Tines, EE**, was a member of AIEE and the Newman Club while attending MSM-UMR. A Korean War veteran, Tines was an electrician with the 538th Engineering Company. He was CEO of Tines Industrial Sales, JGS Engineering and Magne Corp. He also served on the board for the Foundation for Special Education of Children. †Aug. 19, 2002

1960



**John O. Bloodsworth, MetE**, was a member of Tau Kappa Epsilon, Interfaith Council, Canterbury Club, AIMME and ASM while attending MSM-UMR. †Aug. 20, 2001



**Albert W. Eddy, EE**, was a member of AIEE-IRE while attending MSM-UMR. Eddy was an Army veteran of the Korean War and served in the standby reserves until 1961. He worked for the Missouri Conservation Commission, Wagner Electric and Sachs Electric, Bull Moose Tube Co., Independence Stave Co., and retired in 1995 from Roper Electric in Springfield, Mo. †Aug. 22, 2002



**John P. Szuch, MetE**, was a member of Tau Kappa Epsilon, APO, ASM, AFS, the MSM Stamp Club and was on the Honor List while attending MSM-UMR. †June 2, 2002

1962



**Don E. Bates, CE**, was a member of Chi Epsilon, Tau Beta Pi, Phi Kappa Phi and ASCE while attending MSM-UMR. †June 7, 2002

**Jack E. Maley, EE**, was an Air Force veteran of the Korean War. He worked as a field engineer for Western Union for 25 years and as an engineering consultant for Arinc Inc. and RMS Inc. for 12 years. †Aug. 22, 2002

1965

**Kenneth E. Eimer, ME**, was manager of the Chevron Chemical Co. and Coastal fertilizer plants in St. Helens, Ore. He was a member of the St. Helens Elks, the Kiwanis Club and the Columbia Humane Society. He served in the Army, the Marine Corps, the Reserves and the National Guard. †July 6, 2002

1967

**Elwood T. Langley, ME**, †April 6, 2002

**Clifford C. McMullen, CE**, †Nov. 19, 2001

1968

**Carl R. McCalla, CE**, †Nov. 14, 2001

1969

**James D. Payne, CE**, †Dec. 16, 2001

1970

**Donald J. Marek, EMgt**, †May 8, 2000

**Reginald K. Owens, EE**, †Aug. 11, 2002

**Frederic Schiller, GGph**, †Aug. 11, 2001

1971

**Harvey O. Wende, EMgt**, †April 3, 2002

1973

**Don L. Young Jr., EMgt**, †Dec. 11, 2001

1976

**John D. Herman, GGph**, †Feb. 26, 2002

1977



**Terry D. Logan, ME**, worked for John Deere in Iowa and later for Monsanto/MEMC as a material engineer for 23 years. He was a member of Calvary Baptist Church in Fulton, Mo., and Alpha Phi Alpha Fraternity, Epsilon Psi chapter of Rolla. †Oct. 14, 2002

1983

**Merton G. Walker, AE**, †Feb. 1, 2002

friends

**Marilyn Alfermann**, wife of Maurice J. Alfermann. †Sept. 4, 2002

**John M. Brewer**, professor emeritus of English at UMR, was a member of the Speech Association of America, the Missouri State Speech Association, the Forensics Association of America, the American Society for Engineering Education, Rolla Civil Defense Council, Phi Kappa Phi, Central Speech Association and the Missouri State Speech Advisory Committee. He directed the UMR Glee Club for 12 years and served on such faculty committees as, Parents Day, public occasions, scholarship, and conduct and faculty tenure. He organized the Ozark Chapter of Intercollegiate Knights, was president of the Esperanto Association of North America from 1955-1963, addressing the national Esperanto meeting in Washington, D.C., in 1954 and directing the Golden Jubilee Conference of EANA in 1961. He is listed in "Who's Who in the Midwest" and "Directory of American Scholars." Brewer published three books including *Steal-Easy: My Home Town*. He received the Alumni Merit Award from MSM-UMR Alumni Association in 1977, the Intercollegiate Knights Service Award in 1975 and the Venezuelan Student Service Award in 1975. †Oct. 23, 2002

**Carolyn Chubb**, wife of Walston Chubb, MetE'48. †July 6, 2002

**Art Corn**, husband of Mary Lou Corn. †Sept. 19, 2002

**Anne Damko**, †March 23, 2001

**Emily Anne Douglas**, a junior in engineering management at UMR and a member of Chi Omega sorority. †Aug. 19, 2002

**James W. Evans**, †April 12, 2001

**Lois B. Fanning**, wife of Norman Fanning, MinE'49. †May 13, 2001

**Theodora Faris**, wife of Robert O. Faris, PetE'51. †Sept. 9, 2000

**Steven Charles Fridley**, a senior in chemical engineering at UMR. Fridley was working in a co-op position with Lyondell Citgo in Houston. He was a member of Sigma Nu fraternity and played on the UMR baseball team. †Sept. 8, 2002

**Audrey V. Glenn**, wife of David E. Glenn, ME'51. †Oct. 11, 2001

**Donald G. Glynn** established a scholarship fund at UMR after three of his children graduated from UMR. Glynn worked with disabled children for 29 years. †Aug. 6, 2002

**John W. Hamblen**, professor emeritus and former chair of computer science at UMR. During his tenure, the department hosted two international ACM conferences in St. Louis and won the international ACM student programming contest. Before leaving UMR, Hamblen started a computer science scholarship fund. †Sept. 5, 2002

**Daniel A. Irsik**, a senior in mechanical engineering at UMR and a member of Phi Kappa Theta fraternity. †Oct. 8, 2002

**Melissa Jane Jordan** was studying civil engineering at UMR after transferring from Southwest Missouri State University. †Aug. 31, 2002

**Wilma Kassay**, wife of Robert W. Kassay, GGph'59. †Nov. 1, 2001

**John Locke**, a freshman engineering student at UMR. †Aug. 28, 2002

**Marian Lund**, wife of Louis Lund, a former member of the UMR physics faculty. †Aug. 15, 2002

**Margaret Metcalf**, wife of Thomas C. Metcalf Jr., ME'58. †June 14, 2002

**Katherine McCutchen**, wife of A.C. McCutchen. †Oct. 8, 2002

**John C. F. Morris**, †Aug. 12, 2002

**Alba Murney**, wife of William B. Murney, EE'48. †Sept. 4, 1998

**Pete Peterson**, †July 22, 2002

**Marjorie Presnell**, wife of Albert W. Presnell, CE'44. †Nov. 28, 1992

**Phyllis Procton**, wife of Albert W. Procton, EE'48. †Feb. 15, 2000

**Patrick Nolan Roberts** was a freshman in computer science at UMR. †Aug. 28, 2002

**Marie Ruester**, wife of John T. Ruester, ME'59. †April 30, 2000

**Lena Sarchet**, wife of Bernie Sarchet. †Aug. 9, 2002

**Ruth Seelig**, wife of Albert F. Seelig Jr., ME'49. †March 27, 2002

**David W. Shaw**, †Oct. 15, 2002

**Delmar L. Warner**, †Jan. 12, 2002

**Brenda Zoellner**, senior secretary of the Speech Communication Center at UMR and wife of Frank Zoellner. †Sept. 25, 2002

*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 *MSM-UMR Alumnus* 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.

## DONOR PROFILE

# Chester Baker



That same year, Baker's wife, Evelyn, started work in the cashier's office at MSM. In 1948, she left MSM to take a position as the secretary to the division chief at the U.S. Geological Survey in Rolla, a position she held for 43 years.

In 1950, Baker followed Evelyn to the USGS, where he was assigned to the topographic division. He worked in all branches of the National Mapping Program until his retirement in January 1981. He did a lot of field work as well.

"I was headquartered in Rolla, but I was in and out of the office all the time," he says.

"My wife was working at the USGS at the same time I was and since we had no children, they decided I would be a good one to make short trips into the field."

Baker's travels took him to several states, all the way from the Canadian border to southern Kansas. "I enjoyed it. It was a break from my everyday work in the office." In 1961, he had the opportunity to spend a two-year term in Washington, D.C., working at the USGS national headquarters learning the details of staff operations. When he returned to Rolla, Baker oversaw the activities of engineering and technical personnel required to maintain National Mapping Program standards.

"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. She always loved flowers." Baker's gift will fund a greenhouse on the roof of the newly renovated Butler-Carlton Hall. "I'm sure my wife would have been pleased."

When **Chester Baker**, CE'55, graduated from Potosi (Mo.) High School in 1933 he wasn't planning to become a civil engineer. But when he returned to the states after his tour of duty on a Navy air/sea rescue boat in the South Pacific during World War II, Baker decided to take advantage of the G.I. Bill and go to college.

In 1946, Baker enrolled in the Missouri School of Mines — 13 years after he was last in a classroom. Aaron Miles, the chair of MSM's mechanical engineering department at the time, was also from Potosi, and Baker knew him and his family well. Miles' influence convinced Baker that Rolla would be a great place to get his education.



**This spring, UMR will  
break ground for its first  
Residential College.**

The college, scheduled to be completed in August 2004 to begin the academic year, will be located at the intersection of 14th Street and Bishop Avenue, the "Gateway to UMR."

You can also keep track of the Havener Center's construction by checking out our webcam at [www.havenercenter.org](http://www.havenercenter.org).



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