



Summer 2002

Missouri S&T Magazine Summer 2002

Missouri S&T Marketing and Communications Department

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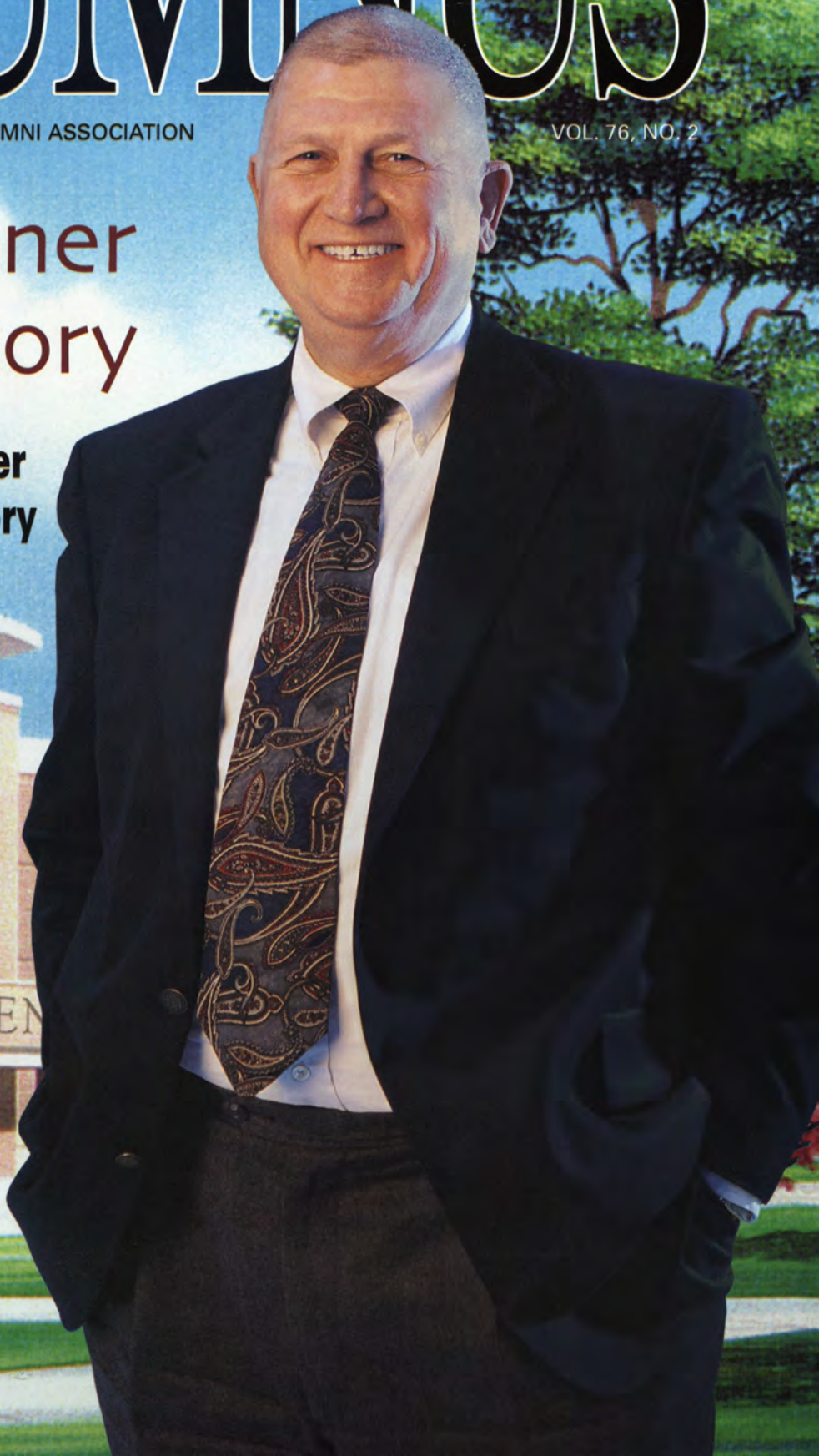
MSM-UMR ALUMNUS

A PUBLICATION OF THE MSM-UMR ALUMNI ASSOCIATION

VOL. 76, NO. 2

Gary Havener makes history

**Gift to University Center
largest in campus history**



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SUMMER 2002 VOL. 76, NO. 2

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MSM-UMR ALUMNUS

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FROM THE EDITOR'S DESK



DEDICATION – you'll see that word a lot in this issue, because *UMR* is fortunate to have a high level of dedication among its alumni, staff, faculty and volunteers.

Gary Havener's dedication is unmatched at this point. His generosity will help the campus make a new student center – the Havener Center – a reality, and will provide a gathering place for generations of students to come.

Don Brackhahn exemplifies this dedication, as he and his wife, Nancy, have given so much of themselves to this campus and to the MSM-UMR Alumni Association.

All through this issue you'll read about the dedication of faculty members to research that will improve lives and will benefit our state and nation.

And sadly, we must report the death of a dedicated volunteer, Jack Painter, who served the MSM-UMR Alumni Association for many years.

Maybe I'm partial, but I don't think you find dedication like this at every university. MSM-UMR enjoys more than its share of loyal, dedicated alumni who realize and appreciate the value of their education at Rolla.

As you enjoy this issue, reflect on your own dedication, and be assured that we here on campus appreciate your loyalty and support enormously.

(lindsayb@umr.edu)

ALUMNI AND FACULTY IMPRESS STUDENT TO ATTEND UMR

Editor's note: The following letter was sent to Kerry Knott, CE'96, president of the Chicago Section, and is reprinted with the author's permission.

Although I've not done much within the alumni ranks since moving back to Chicago in 1994, I've appreciated the updates over time. I graduated from Rolla in '87 as a ChemE. I married an EE student (Michelle Vandivort, EE'87) and our first child, Sarah, was born while we were still attending UMR. My wife's family lives in the Sullivan and Houston, Mo., areas, each about an hour's travel time from Rolla. We visit the area often, although the most we ever do is drive around the campus, look at our old house, etc.

Well, we've started searching for colleges for our daughter, but according to her, there was "no way-no how" she was going to Rolla, even though she wants to pursue an engineering/science course of study. We were down in the area over spring break and used the time to visit a couple of colleges like Southern Illinois University, Washington University, and much to my daughter's dismay, Rolla. That is, until she got there. With no appointment and during Rolla's spring break as well, we were able to meet an admissions counselor, the head of the theater department, the head of the freshman engineering program, and a professor in the ceramic engineering department. Each of these folks carved out an hour-plus out of their

day to meet with my daughter. We were able to walk around campus and be given tours of the facilities. Based on this great reception, the friendliness of the people, and the improvements in the facilities (most of which occurred through the generosity of Rolla's alumni), Sarah has now decided to attend Rolla and has pretty much stopped looking for colleges although she is just a junior in high school. With a good GPA and a 30 ACT score, she can basically go anywhere she wants to, but she is firmly committed to UMR (and ceramic engineering). Sarah was originally scheduled to attend engineering summer camp at Iowa State University in Ames, which she cancelled, to attend Rolla's.

My wife and I would like to say thanks to all the alumni that made it possible for this transformation in perspective to occur in our daughter. My wife and I now feel a great sense of comfort and security (and amazement!) in our daughter's decision to attend UMR.

I would appreciate it if you would forward this message to other alumni chapters so they can know how much we appreciate their efforts.

*John McGillivray, ChE'87
Crystal Lake, Ill.*

REACHING FOR THE STARS

I just received my *MSM-UMR Alumnus* for spring 2002. I really enjoyed the article on Janet, Sandy, and Tom. I am a 1970 ME graduate of UMR. I have been working at the Johnson Space Center since 1982 and currently work in the Space Station Payloads branch of the

Astronaut Office with Janet Kavandi as our lead.

Unfortunately, NASA seems to get mainly negative publicity in the press. Your article is a great presentation of the human side of space flight and some of the outstanding people who make all this happen.

*L. D. Stevenson, ME'70
Houston, Texas*

15-YEAR OLD RESPONDS

My name is Jacob Lunday and I am a 15-year-old freshman at Mountain Home Junior High in Mountain Home, Ark. Today I was talking to someone whose son is attending UMR. She let me glance through the UMR magazine she had and I noticed the article about the astronauts who graduated from UMR. I enjoyed the article very much because I would like to work in the aerospace field as an engineer designing aircraft and spacecraft. I wish to pursue a mechanical engineering degree with another degree or minor in aerospace.

I also enjoyed your article about the black hole. I've heard of that theory before from my eighth-grade science teacher last year. It's a very interesting theory that I think will increase much of our knowledge about how our galaxies and other galaxies travel and maybe why a spiral galaxy revolves.

I'm looking at UMR as the college I would like to attend. I'm looking forward to coming up and looking at UMR in the summer. Thank you.

*Jacob Lunday
Mountain Home, Ark.*

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 e-mail at alumni@umr.edu. We reserve the right to edit letters for length as space allows.

ENTREPRENEUR

cover story



leads the way for a new student center with a historic \$5 million gift

Story by Andrew Careaga (acareaga@umr.edu)

Photos by Truitt Photo Graphic Limited

AS A HIGH SCHOOL STUDENT in Mexico, Mo., in the 1950s, **Gary Havener** excelled in math, science and many of the other core courses. But history was not one of his better subjects. Even as an honor student at MSM, he pulled a C in American Civilization, the only history course he took in college. Like many adolescents, he saw the study of history as dry, arcane, and of little value. As he puts it, “When I was studying history in school, it was just plain boring.”

These days, however, Havener, Math’62, a successful entrepreneur, has a true appreciation for history. In fact, he’s fascinated with certain periods of America’s past – the time of westward expansion and World War II are among his favorite eras of study. While the history texts he read in his formative years have long since been forgotten, Havener has made up for lost time, educating himself through the works of popular historians like Stephen Ambrose, and following his reading with further independent study.

That was the case in 1999, when Havener read *Undaunted Courage*, Ambrose’s account of the 1804 Lewis and Clark expedition into the American frontier. “A friend recommended it,” Havener says, and he was hooked. “I was fascinated with it — with that whole idea of exploration.”

Soon after closing the book, Havener launched his own voyage of discovery into the era of Meriwether Lewis and William Clark. It began with a trip to St. Louis, where he toured the Museum of Westward Expansion that lies underground at the Jefferson National Expansion Memorial. (The memorial is better known as the home of the Gateway Arch.) “I did it in a day,” says Havener, “and I read every sign in the museum.” His next stop was the Lewis and Clark Museum in neighboring St. Charles, Mo. There, he discovered the extensive diaries of Sgt. Patrick Gass,

a member of Lewis and Clark's party. The next year, Havener and his wife, Judy, took a cruise up the Columbia and Snake rivers in the Pacific Northwest, where Lewis and Clark ended their Louisiana Purchase expedition.

Three years later, Havener is still intrigued by Lewis and Clark. Seated at a conference table in his Fort Worth, Texas, office, he explains his plans for the next leg of his journey into history: picking up the Lewis and Clark trail at Kansas City, Mo., and following the Missouri River up to Montana.

"What I'd really like to do," he says, a glimmer of adventure in his eye, "is get on a motorcycle in Kansas City and take it up to the headwaters of the Missouri. That's what I'd really like to do. But I'll probably get a Winnebago and go with my brother."

In many ways, Havener's approach to the study of history mirrors his approach to a business venture. It begins with an idea — sometimes a recommendation from a friend, but often an inkling barely formed in his own consciousness. Havener has a penchant for diving into projects he finds intriguing, whether they involve American history or a business opportunity. If an idea appeals to him, he'll pursue it, conducting research on the fly and following the path of inquiry wherever it may lead. If the idea happens to involve a business opportunity, and if Havener decides the idea has merit, he'll take the leap, investing in the business, restructuring or reorganizing if necessary, and continuing along that path until something new catches his attention. Then the process repeats itself.

UNCHARTED TERRITORY

The business opportunities that interest Havener are often the unfamiliar and unusual — textbook depositories, real estate ventures, an aircraft refurbishing business, farming. Like an explorer, he is drawn to uncharted territory.

His most recent investment in UMR follows a similar pattern. "I've been planning to give something to the university for quite a while now," he says. While he and his wife have funded a scholarship in his home department of mathematics for several years, and recently added another \$100,000 to that endowment, Havener has been wanting to do more for UMR. He just wasn't sure where to invest.



"I didn't have any preconceived idea of what the need might be," Havener says. "I'm listening to the people on campus as to what the need might be. I figure they know what the needs are better than I do."

Last December, university officials presented Havener with a proposal to support a project that has been on UMR's drawing board since the mid-1990s: the renovation and expansion of the current University Center complex. The center's original structure, the University Center-West, was constructed during Havener's undergraduate years. The newer, larger building, the University Center-East, was built in the late 1960s. With about 65,000 square feet between them, connected by a breezeway, the two buildings house office space for some student affairs staff and a few student organizations, a Barnes and Noble bookstore, a cafeteria, a sandwich shop, conference rooms, and other public meeting space. But inside and out, the architecture is stuck in the '60s, and the décor, meeting room arrangements and cafeteria fare have not kept pace with changing student tastes. Campus officials know the complex is not exactly the most attractive site on campus, and that it is not a true "center"

HAVENER HAS A PENCHANT FOR DIVING INTO PROJECTS HE FINDS INTRIGUING, WHETHER THEY INVOLVE AMERICAN HISTORY OR A BUSINESS OPPORTUNITY.



for students. As Mark Potrafka, UMR's director of student activities, points out, a student center "should be the living room of the university." Without such a living room, the campus "home" is incomplete. So, campus leaders have developed a plan to create just such a living space for the campus and have been calling on alumni to help realize this vision.

UMR's Wendell Ogrosky, the vice chancellor for student and international affairs, and his wife Sandra Ogrosky, a UMR development officer, discussed the project over dinner with Havener and his wife, Judy. Havener told the Ogroskys that he would have to think it over, but promised to get back to them soon.

It didn't take Havener long to make up his mind. "I decided to support it in about two days," he says. Within a week, he'd called Sandra Ogrosky to tell her of his plans to pledge \$5 million for the project. In return, the new student center will be renamed the Havener Center. The University of Missouri System Board of Curators approved the center's new name in March.

Havener's gift provides a significant chunk of the funding needed for the project. When completed in 2004 — coincidentally the bicentennial of Lewis and Clark's expedition — the total bill for the project will be around \$13 million. UMR students are themselves footing part of the bill. In 1997, students voted to increase fees to help

finance a portion of the project. The remainder is to come from private donations.

When completed, the Havener Center will be about 100,000 square feet — nearly twice the size of the current, two-building University Center complex — and will house all student services in a single building. Plans call for the new center to be built on the corner of Bishop Avenue and 14th Street, across from V.H. McNutt Hall. The building would help create an attractive entry into the campus. The current University Center-West will be razed, making way for a pedestrian walkway between the historic Rolla Building, UMR's oldest structure, and the University Center-East.

Ironically, the man who didn't care much for history as a student is himself making history at UMR. Havener's \$5 million gift is the largest single private donation ever received by UMR. "Thanks to this wonderful gift," says R.J. Agee, the president of UMR's Student Council, "the students will have a place that is truly their own — a place where events ranging from formal dinners to games of pool and ping pong can occur, a place with a long-awaited coffee house and extended programming facilities. A place with a social atmosphere that this campus currently lacks."

(continued on the next page)

"HE'S ALWAYS THINKING. THE WHEELS NEVER STOP TURNING IN HIS BRAIN. HE'S A READER, HE'S A THINKER, HE'S A REAL INNOVATOR." *Judy Havener*



A MARVELOUS THINKER

As a businessman, Gary Havener could best be described as a "multipreneur." He juggles a variety of business interests, and does well with all of them. Whether it's turning around a company facing bankruptcy — something he's accomplished three times — or buying and selling real estate, refurbishing corporate jets, warehousing textbooks, designing and building antenna equipment or handling loans, Havener has a knack for succeeding in business.

What has been the secret to his success? According to his wife, it all begins with his Midwestern roots. "I'd say it goes back to his upbringing, being a Missouri farm boy," says Judy Havener. But that's only the beginning, she adds. His easygoing manner and ready smile belie a keen business savvy. "He's always thinking," Judy says. "The wheels never stop turning in his brain. He's a reader, he's a thinker, he's a real innovator. He's a marvelous thinker," she says, then pauses before adding, "in some ways."

Havener agrees with his wife's qualifier. He knows he's apt to jump from one idea to the other and realizes he

doesn't always stay on the same track all the time. "I think it's fair to say I have a short attention span," he says.

Perhaps it's more of an intellectual and entrepreneurial restlessness that drives Havener. He loves a challenge — whether it comes from the world of business, academics or, most recently, philanthropy.

Havener grew up on the family dairy farm near Mexico, Mo., where he learned from an early age the importance of a solid work ethic. "When you grow up on a dairy farm, there are no excuses," he says. "You've got to milk the cows in the morning and you've got to milk the cows in the evening. If you don't, you go out of business."

Havener thought about becoming a dairy farmer, like his father. But his plans changed when the local dairy closed and his father got out of that business. Havener, 16 at that time and a student at Mexico High School, took a job with Mexico's city engineer, where he did some drafting and surveying work. "I was always good at math and science," he says, and even then he was thinking about studying at MSM-UMR. During the summer before college and the summer after his freshman year, Havener



worked for the Missouri Department of Transportation, building bridges and plotting data from the initial surveys for the interstate highway system through Missouri. The experience prepared him for a major in civil engineering.

In college, he thrived on academic challenges. He speaks proudly of his membership in Delta Sigma Phi fraternity, which was located north of campus where Thomas Jefferson Hall now sits. (The fraternity itself no longer exists on campus.) For seven of his eight semesters at MSM-UMR, the Delta Sigs had the highest cumulative GPA among all fraternities. “But I guess we should have spent more time making sure we’d have future members,” he says with a grin.

By his sophomore year, Havener was ready to change academic horses. “That’s when I switched to physics,” he says. “I just thought it was a much more challenging curriculum.” He ended up switching majors one more time, deciding — just two months before graduation — on mathematics, which was being offered as a major for the first time during his senior year.

Among the honors he received upon graduation was the DMG, the “distinguished military graduate” bestowed

on excellent Army ROTC grads. “Everybody was in ROTC,” he says. “There was no choice in those days.”

Degree in hand, Havener was about to learn a new lesson that would prove beneficial to his business career.

A DISDAIN FOR BUREAUCRACY

Havener’s first job after college was as an engineer for General Motors’ Packard Electric subsidiary in Warren, Ohio. After three months working in GM’s corporate bureaucracy, he decided to fulfill his military obligation. He signed up with the Army Corps of Engineers 555th Engineering Group and traveled to Karlsruhe, Germany, working in bridge building, radio communications and cryptography. The experience would serve him well as a foundation for his post-military career.

Havener calls his years in the military “a period of self-enlightenment more than anything else.” Traveling, experiencing new cultures and learning new skills were just part of his new understanding. But there was a more important lesson Havener learned while in the Army — that he hated bureaucracy. “While I was in the Army, I realized that I was best suited to go into business for myself.”

After leaving the Army, Havener went to work for James M. Collins, who owned a company named Antenna Products Corp. based in Mineral Wells, Texas. The company made high-frequency communications equipment, and many of its biggest customers were those very bureaucracies Havener disdained: the military, the Federal Aviation Administration, Voice of America and other federal agencies. Collins, a World War II Army veteran, liked to recruit new hires straight out of the military. “Collins was really recruiting people for executive positions, but he started them out at the lower levels,” Havener says. “I went to work as a junior engineer.”

Later, Havener was put in charge of marketing. Then Collins went into politics and won a seat in Congress, so Havener and two other APC executives — Jack Davis and Nile Vail — purchased the company, renaming it DHV Inc. in 1972. Eventually, Vail sold his interest in the company. Then Davis died of a heart attack, leaving Havener as the sole owner. He sold the company in 1984, then returned to it in 1986, reorganizing it out of bankruptcy and rebuilding it into a healthy enterprise.

From the time the troika of Havener, Davis and Vail took over APC to the time Havener assumed sole ownership, the entrepreneurial Missourian was branching out. In 1972, he and Davis took over Dallas-based Environmental Testing Laboratory Inc., rescuing it from

(continued on the next page)

HAVENER WANTED TO DO SOMETHING FOR UMR, AS V.H. MCNUTT DID, BUT HE WANTED TO DO IT WHILE HE WAS STILL ALIVE TO SEE THE RESULTS...



bankruptcy. At the same time, Havener started dabbling in real estate, operating residential and commercial rentals in Mineral Wells. (He managed to survive the Texas real estate crash of the mid-1980s — “through dumb luck and a couple of good judgment calls,” he says — and his real estate business, concentrated in buildings for small business ventures, thrives today.) In 1978 he rescued Jokari/US Inc., a Dallas-based home products company, from bankruptcy. And in the 1980s and 1990s, Havener’s business interests expanded even further.

“Through a real estate deal, I met a fellow who ran one of the schoolbook depositories in Dallas,” he says. “He asked me if I wanted to invest in a schoolbook depository in Dallas.” From there, he went on to buy Southwest Schoolbook Depository in Texas and established new textbook depositories in New Mexico and Oklahoma. He sold the textbook businesses in 1999.

In 2000, Havener’s Phazar Corp., the parent company of Antenna Products Corp., purchased 80 percent of The Upholstery Shop in Roanoke, Texas. The Upholstery Shop refurbished the interiors of corporate jets. (Havener, by the way, doesn’t own a jet, and he is not a pilot. The closest he comes to piloting is his occasional spin around nearby Texas Motor Speedway. “Ten laps at about 40 seconds a lap,” he says. “It’s a fast way to spend 350 bucks.”) He then renamed the company Phazar Aerocorp and moved it into a new 89,000-square-foot facility that he and Brian Perryman, general manager and formerly the sole owner, built at Fort Worth’s Meacham International Airport. The building houses Phazar’s offices, cabinetry and upholstery shops, and a spacious hangar with gleaming white floors. Strolling through Phazar’s hangar, past a recently refurbished Dassault Falcon 10, Havener describes the simple keys to his business success. “It’s mostly desire and ambition,” he says, “and it’s all in the collage of details. You have to be able to watch a gazillion details.”

Havener certainly keeps track of the necessary details, but not without some help. He conducts most of the day-

to-day business from a nondescript two-story office building he owns on the service road to Interstate 820 on the west side of Fort Worth. Helping him are an assistant who handles real estate activities, two employees in charge of loan collections, and his wife, Judy, the detail person who helps to keep the freewheeling Havener organized. “I call myself an executive assistant,” she says, “but I’m actually a ‘go for.’ I keep track of every sheet of paper in 15 filing cabinets, and I’m expected to produce any piece of paper —”

“Instantaneously,” says Havener with a grin. She nods in agreement.

In addition to keeping up with the gazillion details, Havener reads voraciously. He scans four area newspapers daily, in addition to *The Wall Street Journal*, and keeps up with the business world by reading *Forbes* and *Business Week*. And then there is the reading he does for pleasure. There’s Stephen Ambrose, of course. In addition to *Undaunted Courage*, he’s read *Nothing Like It in the World*, the story of the building of the transcontinental railroad, as well as some of Ambrose’s tomes on World War II. (The World War II histories proved to be no less inspiring than the Louisiana Purchase books; *Pegasus Bridge* and *Band of Brothers* have spurred Havener to organize a trip with Army buddies to the shores of Normandy in 2004 to celebrate the 60th anniversary of the D-Day invasion. “There aren’t too many of those D-Day veterans left,” he says, “and I’d like to meet with some more of them before they’re gone.”) He also reads John Grisham and Tom Clancy thrillers, and recently finished Annie Proulx’s *The Shipping News*. “I’ve read all the Harry Potter books, too,” he says, adding that connections with the publishing industry — through his former textbook business — gave him access to the first Potter book before it hit bookstores.

And what about leadership or business books?

“I don’t read them much anymore,” he says.

“But he could write one,” says Judy.



MORE SUPPORT FOR THE CENTER

In addition to Gary Havener's historical gift for the Havener Center, other donations to the project include:

THE CENTER OF ATTENTION

While hitting the books at Rolla, Havener didn't spend too much time hanging out at the student center. For one thing, it wasn't much of a hangout. It had "a limited food service," he recalls, and a recreation area with ping pong tables and billiards. Other than that, he doesn't recall much about the place. "It did give us an alternate place to meet other than in an academic department."

While the center didn't make much of an impression on Havener, an experience he had on a return visit to campus did. He attended the dedication ceremony for V.H. McNutt Hall over Homecoming Weekend 1987. The building is named for Vachel H. McNutt, a pioneering geologist who earned his bachelor's and master's degrees from MSM in 1910 and 1912. The McNutt Foundation provided a significant portion of the private money to build the structure. But McNutt wasn't around to attend the dedication ceremony, or to ever see the campus monument built in his name. McNutt died in 1936, and the foundation was established by his widow.

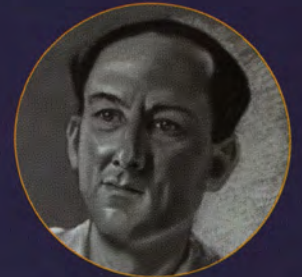
At that ceremony, Havener decided he wanted to do something similar for UMR, but he wanted to do it while he was still alive to see the results. "My hope was that I'd be able to do something like that in my lifetime."

And so he has. When ground is broken for the Havener Center during Homecoming this fall, you can be certain that Havener will be there, continuing to write the newest chapter in UMR's history.



A gift from **David** (MS Chem'72) and **Phylis Hsia** and **Richard** (MS MetE'71, MS EMgt'75) and **June Chao** to fund the dining room/coffee shop area. The two couples have created a challenge fund

in order to attract matching gifts from other donors.



The Maxwell C. Weiner Student Lounge, named in honor of **Weiner**, EE'41, and supported through a gift from Weiner's bequest.



The Ted and Sharon Weise Atrium, pledged by **Weise**, EE'67, the retired president of FedEx.



A pledge from the UMR Parents' Association to fund the John and Dorcas Park Quiet Lounge, in honor of the Parks. (John Park was UMR's chancellor from 1992-2000.)

The Burgess Conference Room, funded through a gift from **Alan**, MetE'54, MS MetE'55, and **Doris Burgess**.



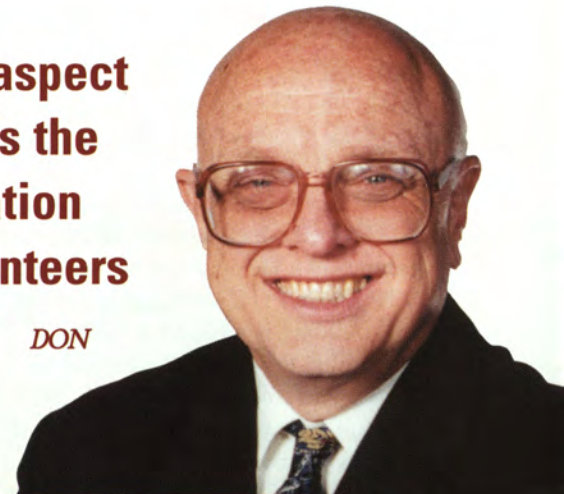
The VOICE

Don Brackhahn talks about 17 years at the h



Above: Don serves up ice cream at the Ice Cream Social on campus; and with the MSM-UMR Alumni Association current and past presidents, left to right: Matt Coco, Bob Patterson, Gerry Stevenson, Dick Bauer, Don Brackhahn, Bob Bay, Zeb Nash (president-elect), Art Babler and Jim Bertlesmeyer (current president).

“My favorite aspect about UMR is the great dedication that the volunteers here show.” DON



THE DON'S LIST:

Brackhahn's major accomplishments

- Voted one of the top 100 in UMKC's history to help shape the university during its 70-year history in 2000. An article in UMKC's alumni magazine, *Perspectives*, cited Brackhahn for helping found the UM Alumni Alliance and the UMKC Alumni Association. Others on the UMKC list: Walt Disney and Harry Truman.
- Named an Honorary Knight of St. Patrick in 1995; Nancy Brackhahn knighted in 2001.
- Honorary member, UMR M-Club, 1995.
- Honorary Life membership, MSM-UMR Alumni Association, 1993.
- Who's Who in the Midwest, 1982-85, 1986-87, 1988-1990.
- UMKC community Service Award, 1984.
- University of Missouri Presidential Citation for Alumni Service, 1989 - UMKC campus.
- Distinguished Service to UMKC Alumni Board of Directors, 1977.
- Growth in alumni association assets from \$650,000 in 1985 to \$7 million in 2002.
- Growth in alumni association scholarship funding from \$50,000 in 1985 to \$500,000 in 2002.



of the alumni

elm of the MSM-UMR Alumni Association

By Claire Faucett (denhoc@umr.edu)

Photos courtesy of the Brackhahns except where noted

WHENEVER HE'S ASKED TO DESCRIBE the job of an alumni director, **Don Brackhahn** likes to paraphrase his friend Bus Entsminger, a former vice president in the University of Missouri System. "Being an alumni director," Entsminger once told Brackhahn, "is like standing on a podium at a parade and raising your arm to all the groups that go past because they haven't seen you yet. And it is the same way with telling people about the university. You have to repeat what the university and alumni association are about over and over again in different ways to catch the interest of the public."

For 17 years now, Brackhahn has been waving his arms at the parade of UMR graduates, and he has succeeded in getting the attention of many. For 12 of those 17 years, he has been welcoming new UMR alumni into the fold during commencement, where he would read off the names of graduates in his great stentorian voice as they crossed the stage. (Perhaps it's the voice that attracts attention; a strong baritone, it reverberates through commencement crowds so clearly that one wonders whether Brackhahn even needs a microphone.) When Brackhahn retires in September, the university will lose not only one of its strongest voices at commencement, but also one of its strongest advocates. The loss will be doubly difficult for UMR, as Brackhahn's wife, **Nancy**, who has worked alongside him as a dedicated volunteer, also will be "retiring" from her volunteer work with the campus.

Before Don and Nancy Brackhahn came to UMR in 1985, Brackhahn had completed a 25-year career with the University of Missouri-Kansas City. Soon after he started work at UMKC (then known as Kansas City College), he went to his first national convention of the American Alumni Council. Through the AAC, Brackhahn met two people who would have a great impact on his life: Ike Edwards and Frank Mackaman. Edwards was MSM-UMR's alumni director at the time, and Mackaman was the

alumni director at Drake University in Des Moines, Iowa. In 1968, Edwards talked Mackaman into taking his position as MSM-UMR's alumni director when he left the position in 1972. Mackaman later convinced Brackhahn to take his place as alumni director when he retired. Brackhahn, who became UMKC's alumni director in 1966, joined UMR when Mackaman retired in 1985.

Dedicated alumni, dedicated director

Originally from Kansas City, Brackhahn holds two degrees from UMKC — a bachelor of arts in history and government and a master's in history. He also conducted some post-master's studies in higher education administration. With three brothers and two daughters who attended UMKC as well, it's safe to say that Brackhahn has an enduring fondness for his alma mater. But his fondness for UMR and its dedicated alumni comes through loud and clear.

"My favorite aspect about UMR is the great dedication that the volunteers here show," says Brackhahn. "I have been very fortunate to have such a dedicated group of volunteers and staff."

For Betty Volosin, an administrative assistant for alumni affairs and one of Brackhahn's co-workers for 13 years, the feeling is mutual. "Don really helped build the alumni staff into a team," says Volosin. "He was always quick to go to bat for UMR and the alumni. It's been a great 13 years. I'm going to miss him."

Even though UMR has a supportive alumni base, it's more difficult to get their attention these days. In the past, alumni "felt dedicated because they graduated from UMR," Brackhahn says. "Now you have to give the younger alums a reason to be dedicated. They have so many more demands on their time and talent."

(continued on the next page)

The voice of alumni continued

Make new friendsand keep the old

When Brackhahn first arrived at UMR in 1985, most of the activities in the alumni association were geared toward only the alumni. As he puts it, "They came back here and partied and did it primarily to reacquaint themselves with classmates."

Now the alumni association involves graduates in its efforts to benefit current students and recruit new ones. The association meets its goals through the work of several committees and individual alumni. They include the alumni board members, section leaders around the country, class coordinators, admission ambassadors, public resource ambassadors, speaker's bureau participants, office volunteer staff, and many others.

Brackhahn has also done more to involve groups that have been underrepresented in the past, says Lawrence George, assistant to the chancellor for Affirmative Action at UMR. "Don has opened doors of opportunity for minorities that have previously been closed," George says. "He has the view that,

regardless of ethnicity, whoever is a graduate of this university is a desired alumnus."

Brackhahn credits several alumni for making a difference during his 17-year tenure with the association. They include Curt Killinger, AMth'73, MS EMgt'80, coordinator of the association's admission ambassadors program. Killinger recruits alumni to go to 28 different college fairs in the Houston area every year. "We now have alumni all over the United States who go to college fairs in their area to recruit for the campus. This was not done in 1985," says Brackhahn.

Another key volunteer is Willis Wilson, CE'73, a member of the association's speaker's bureau. A consulting engineer from Wichita, Kan., Wilson visits UMR every semester, assigning real-world projects to students to help connect them to their future careers in engineering, then returns before the semester ends to review the projects. Brackhahn is also proud of the work of Cal Ochs, ME'49, chair of the Alumni Legislative Committee. Ochs spends hundreds of hours each year lobbying to get



The alumni association's first lady

NANCY BRACKHAHN

has been right beside her husband through the years. The couple has always worked as a team, and when alumni speak of the Brackhahns they often speak of Nancy and her dedication to UMR. "I can't talk about Don without talking about Nancy," says Jerry Bayless, CE'59, MS CE'62, associate dean for UMR's School of Engineering and treasurer of the MSM-UMR Alumni Association. "She has been very supportive and helpful in many ways."

Nancy was a TWA airline hostess when she met Don in 1960. It was love at first sight, and two years later the couple was married. Since then, Nancy has involved herself in full-time volunteer work related to her husband's job, as well as raising two daughters.

She, like her husband, believes strongly in the importance of volunteers and alumni involvement. This is why she felt so compelled to get involved in the alumni association.

"The alums are so enthusiastic that it is contagious," she says.

Nancy works as a part-time volunteer staff member for the alumni association, assisting with special events and mailings. She also serves as hostess for alumni board members and their spouses when they attend meetings at UMR. "I enjoy the entertaining and meeting people. The past alumni director's wife started this tradition and I am happy to continue it," she says.

As well as entertaining in her home, she brings a little bit of home to UMR students. She has made it a tradition to bake cookies for students around finals time.

Her husband has nothing but praise for his wife. "We've always been a team, from the time that I started work at UMKC in '66 to the present," he says. "She's always spent a great deal of time and effort working with the alumni and the alumni office."

Nancy was one of the advisors for Zeta Tau Alpha sorority and, up until this last year, was the community adviser for the St. Pat's Celebration Committee. She says she is going to miss a lot of things about life at UMR, but there are a few aspects that she will miss most of all, such as all the people she has worked with throughout the years. "I'm going to miss the friendships and visiting with alumni," she says. "The staff has always been great and very helpful."

Nancy's most memorable moments at UMR include the time she and her husband were asked to be Honorary Knights of St. Patrick and when she was made an honorary life member of the alumni association.

She still has plans to stay involved with the alumni association and athletic department long after retirement. "Don and Nancy have a lot of warmth and hospitality to give, and have always had a lot of vocal support for Miner sports," says Matt Cocco, CE'66.

She has very fond memories of her time spent at UMR and would like to express her appreciation. "I would like to thank everyone that has supported us throughout the years," she said. "It has made all the difference."



PHOTO BY BOB PHELAN/PHOTOMASTERS

legislative support for campus funding. Working alongside Ochs, Wilson, Killinger and dozens of other alumni volunteers has been the most rewarding aspect of Brackhahn's job. "That is the thing I really enjoy about this position: the alumni's involvement and their dedication to the campus."

Dedication is no stranger to Brackhahn and his wife. According to Jerry Bayless, CE'59, MS CE'62, associate dean for UMR's School of Engineering and treasurer of the MSM-UMR Alumni Association, "Their loyalty and support to the campus is above and beyond the call of duty." Their support, Bayless says, extends beyond alumni to students — in sports, academics and extracurricular activities.

Communication is key

The most difficult part of the job, Brackhahn says, has been to effectively communicate, at all times, with the alumni and parents. He points out that every semester, he had a new

communication challenge — a fresh crop of alumni and parents who knew little about the alumni association. But according to Matt Coco, CE'66, a former president of the alumni association, Brackhahn communicates effectively at all levels, and to all audiences.

And it isn't just because his voice carries farther than most. While Brackhahn has no trouble being heard above the din, he also communicates the goals of the alumni association quite clearly. The loyalty of alumni, faculty and staff, and the association's service to the campus have been his mantra over the years.

Still, that voice is certainly a memorable aspect of his character. Few graduates over the past dozen years can forget the resounding baritone that calls them to receive their diplomas during the commencement procession. As newly minted alumnus Keith Ziegelman, CE'02, who was president of UMR's Student Council last year, points out: "I was very pleased to be part of the last graduating class to have Don read my name."

PHOTO BY BOB PHELAN/PHOTOMASTERS



Far left: the Brackhahns with their Santa collection, and, left, as Santa and Mrs. Claus.

Yes Virginia, there is a Santa Claus

Even with their busy schedules, the Brackhahns manage to have time for an interesting hobby: collecting Santas. Each year around Christmastime, they display more than 550 unique Santa figurines in their home. Brackhahn says this collection started after their two daughters finished college.

"When we started traveling with the alumni association, every time we were on the road, we would buy a Santa," Brackhahn says. "This started when we were in San Diego, and from then on we didn't just buy one, we bought two or three."

An added enjoyment for the Brackhahns involves serving as "Santa's helpers." The Brackhahns have been Santa and Mrs. Claus in the Rolla Christmas parade for many years. Of course this is by the request of the real Santa and Mrs. Claus, because they couldn't possibly be everywhere at once.

A different beat

Music has always been an important part of Don's life. He plays a mean trombone in two ensembles in the Rolla

community: The World's Finest Rolla German Band and the Rolla Town Band. Brackhahn has been a member of The World's Finest Rolla German Band since 1991, and served as first president of the Rolla Town Band, which was reorganized in 1985.

The World's Finest Rolla German band is made up mostly of UMR staff and faculty, and most of its performances are fund-raising events.

Brackhahn is involved in several other aspects of community life. He's active in the Rolla Rotary Club and is an avid Miner sports supporter.

Brackhahn was president of Water District No. 2 of Phelps County for five years, ending his term on the board in 1995. He is the advisor for Tau Kappa Epsilon, Omicron Delta Kappa and the Associated Students of University of Missouri, and both he and his wife are active members of the Episcopal Church in Rolla. For the last four years they have been involved with an education for ministry program there.



World's Finest Rolla German Band.



Don in grade school band.



PHOTO BY BOB PHELAN/PHOTOMASTERS

THE BRACKHAHNS WITH THEIR FAMILY. Clockwise, starting from top right: Steve and Dawn Sullivan, Don, Erin and Evan Sullivan, Nancy, Dana Simon, Diane and David Simon.

On the road again

After retirement this fall, the Brackhahns plan to travel and have fun with their grandchildren. Even though Brackhahn's job has allowed him and his wife to take weekend trips to alumni chapters, they are yearning for more extensive trips.

"Our grandkids are getting old enough to be in sports and other activities, and we would really like to be able to go see some of their games and activities," Brackhahn says.

Brackhahn has worked throughout the years taking very few vacations and sick days. "I guess I've been a workaholic, but I love doing my job, love working with people, so I don't feel the need to get away," he says. "I get my energy by working with people."

The Brackhahns will continue to live in Rolla and be a part of the community. "We like living in Rolla and plan on staying here long after retirement." In fact, they will both continue to work with the Rolla Chamber of Commerce. Brackhahn is even considering doing some substitute teaching in the area.

GETTING DOWN AND DIRTY

By Claire Faucett (denboc@umr.edu)

Photos by Bob Phelan/Photomasters

BEADS OF SWEAT RUN

down **Connie Meyers'** face as she bears down on the bone saw. "Go Connie!" yell her teammates. "Go! You can do it! Just a few more inches!"

Scrunching her face in exertion and determination, Meyers lets out a loud, triumphant grunt as a slice of wood flies off the end of a six-by-six inch pine timber, landing some yards away at the feet of another team member.

"Eighteen seconds," says team member **Liz Szkrybalo**, holding a stop watch.

Meyers' team members congratulate her for making excellent time. "I can do better," she says as she hands the 36-inch bone saw to the next in line.

Meyers, a senior in mining engineering, was team captain of the UMR women's mucking team, and she and her teammates were working hard at a practice out at UMR's Experimental Mine. Meyers' gutsy determination in the Swede sawing practice is exactly the mind-set that is needed to win a mucking competition — something the UMR women's mucking team did in 2001. They were preparing to travel to Kalgoorlie, Australia, to defend their title at the 24th International Intercollegiate Mining Competition, held March 23.

UMR had two, six-member mucking teams — one men's and one women's — for the 2001-2002 season.

The men's team finished fourth out of 14 teams in this year's competition, and the women finished second out of four teams. In both classes, the winning team was from the host school, the Western Australia School of Mines.

In last year's competition, held in Reno, Nev., the women's team took first place overall in the women's competition and also first place in five individual events. The men's team won sixth place overall.

PLAIN GRUNT WORK

Attending a mucking practice or competition is like stepping back in time. No high technology here — just plain grunt work. The only hint of modern technology is the stop watch, which is vital in training for the events. Muckers compete in seven events: track-standing, hand mucking, Swede sawing, hand-steeling, gold panning, surveying, and Jackleg drilling. These events mimic the ways

of the old-time miners. A mucking competition is grueling labor that is not for the weak of mind or body. UMR's muckers approach their training with the same rigor and discipline of athletes. In fact, they see mucking as a real sport, as valid as football.

To the untrained observer, track-standing resembles a fire drill. Teams are judged on how quickly they can assemble a 15-foot stretch of railroad — ensuring that the rails are level and straight — and then how quickly they can dismantle it. "The judges come by and use a tool the width of a pencil and if they can stick it under the edge of the tie, then we get points deducted," says **Rachel Kuro**, a senior in mining engineering. "It's very hectic and chaotic."

Also chaotic is the hand mucking event. It involves filling and pushing a two-ton ore cart full of gravel bits down a 75-foot rail and back as quickly as possible.

Swede sawing — what Meyers was practicing at the beginning of this article — requires muscle and endurance because the person who can saw through a six-by-six inch pine timber the fastest is victorious.

Hand steeling involves the use of a hammer and chisel to drill a hole into rock. Gold panning, the least strenuous of the events, requires the students to find five flattened BBs mixed with gravel and dirt in a bowl by filling the bowl with water and sifting through the mire. In the surveying event, students have one minute to set up and survey three points; and in Jackleg drilling two team members drill two holes in a six-by-six inch area of a solid concrete block in a set amount of time.

Few people outside of the mining industry know much about mucking. Few members of the UMR teams knew much about it, either, before attending UMR. But now they enjoy the sport and camaraderie that comes from being a part of a team. "Being a team in such close quarters really makes you bond and form strong, lasting friendships," says Meyers.



Right: Connie Meyers assembles a stretch of railroad in the track-standing portion of the mucking competition. Teams are judged on how quickly they can assemble a 15-foot stretch of railroad, and then how quickly they can dismantle it.

Below: the team practices Swede sawing and the hand mucking event, which involves filling and pushing a two-ton ore cart full of gravel bits down a 75-foot rail and back as quickly as possible.



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My dinner with Andrew

In which our not-so-heavenly host learns a thing or two about etiquette

By Andrew Careaga (acareaga@umr.edu)

Not that I get invited to many galas, but I like to think I know enough about table manners to hold my own at most social events.

My parents, of course, taught me the basics which most other children not raised by wolves also learn. Keep elbows off the table. Keep your napkin in your lap. Never talk with your mouth full. Don't slouch. Say "please" and "thank you."

But when it comes to eating soup, passing bread and butter to my dining companions, or serving as a table host, I'm as clueless as the next heathen. Or I was, that is, until I attended UMR's Etiquette Dinner.

As a volunteer table host at UMR's 12th semi-annual Etiquette Dinner, my job was to make my guests feel at ease as they learned the finer points of "good American business etiquette," as Chris Sowers of UMR's Career Opportunities Center called it. (Sowers coordinates the dinners for seniors and graduate students every semester.) The idea is to help students prepare for job interviews over dinner. I was joined by four students — one senior and three graduate students — and photographer Bob Phelan, with whom I've broken bread on many occasions. (Usually, we were on assignment and both too hungry to worry much about table manners.)

The Career Opportunities Center staff decided to start hosting these dinners in 1996, after COC Director Jamie Archer witnessed some boorish behavior by one UMR scholarship recipient. The student was one of several awardees attending a function at the Ritz-Carlton in St. Louis with representatives of the company that funded the scholarships. During the pre-dinner reception, Sowers explains, Archer "saw one of our students going through the line putting an appetizer on each finger."

"We can thank that student for this dinner," Sowers told the 71 students in attendance.

I chuckled at the thought of such a breach of etiquette. But it wasn't long before I had committed my own transgressions of table manners.

The first faux pas occurred well before the first course. After exchanging introductions, the four students and I remained standing around the table. I noticed that the hosts and guests at several other



Volunteer Table Host Andrew Careaga, far left, mingles with the dinner crowd at UMR's 12th semi-annual Etiquette Dinner.

tables were now starting to sit down. "Well, I guess we can take our seats," I said, and, good host that I am, motioned for my guests to be seated.

"Actually," said one of my guests, Anja Frauenberger, a civil engineering major originally from Berlin, Germany, "we are waiting for you to be seated. We are supposed to follow your lead."

Oh dear. Miss Manners would not be pleased. And the cream of asparagus soup hadn't even been served yet. We won't even mention the soup episode — "Spoon away from yourself, Andy," Frauenberger reminded me, as she no doubt silently wondered how I'd managed to get a hosting role. Nor will we say much of the is-it-bread-or-is-it-a-croustion conundrum I encountered during the salad course. (As host, diligently charting the course for my guests, I decided — wrongly — that the crusty slice of bread on the side of my salad was a dinner roll of sorts, and picked it up with my fingers. Only two of my dining companions followed my lead. Frauenberger was not one of them.)

But things got better. By the time the main course had arrived, I had learned to: 1.) pass butter, sugar, food, etc., counter-clockwise, 2.) spoon soup away from myself, and 3.) position the napkin on my lap so that the fold lies toward me.

The students, meanwhile, also learned that good table manners give a candidate a leg up on the competition. As Sowers explained what a recruiter once told her, "If I have two candidates with equal qualifications, the one with manners will win out."

The one without manners, meanwhile, could be in for a rude awakening.



Venkat Allada, associate professor of engineering management, received a \$25,000 Industrial Ecology Faculty Fellowship from AT&T in February for his work in the area of "sustainable product development." Allada's work focuses on designing products for disassembly and recycling.



Shubhen Kapila, professor of chemistry, received the Researcher of the Year Award from the Missouri Soybean Merchandising Council. Kapila was cited for devising new uses for soybeans and soybean oil. Among his innovations: a soy oil alternative fuel and a soy-based solvent that dissolves polystyrene (see story on the next page).



Mark Schlesinger, professor of metallurgical engineering, has received a Fulbright scholarship to conduct research at the Royal Institute of Technology in Stockholm, Sweden. He is one of some 2,000 U.S. instructors and students who will travel abroad this year under the J. William Fulbright Foreign Scholarship program.



Paul Worsley, professor of mining engineering, received the International Society of Explosives Engineers' President's Award at the society's annual meeting in February.

Paula Lutz named dean for College of Arts and Sciences

Paula Lutz, LSci'76, will become dean of the UMR College of Arts and Sciences on July 1. A member of the UMR faculty since 1987 and chair of biological sciences since September 2000, she succeeds Russell D. Buhite, who is stepping down from the position after five years of service.

"Dr. Lutz has an exceptional record of teaching, research and service at UMR," says UMR Provost Y.T. Shah. "She has an excellent understanding of the campus culture and is well respected by the entire UMR community. She is the right person to lead the college and help achieve UMR's goals at this critical time in our history."

From January 1998 until her appointment as biological sciences chair in 2000, Lutz served as associate dean for graduate affairs and research in the UMR College of Arts and Sciences. She is the first woman in MSM-UMR's 131-year history to be named dean of a college or school.

Lutz earned a Ph.D. in microbiology and immunology from Duke University in 1981. Prior to joining the UMR life sciences (biological sciences) faculty in 1987, she served as a research associate and postdoctoral fellow at both Duke University and the University of North Carolina-Chapel Hill.

During her career at UMR, Lutz has won six Outstanding Teaching Awards and seven Faculty Excellence Awards. She also has conducted extensive research into the possible effects of lead on children's immune systems.

Lutz also has been active in promoting science to pre-college students, developing an annual program at UMR to introduce Girl Scouts to hands-on science. In 1999, she received UMR's Woman of the Year Award in recognition of her teaching, research and service.



PHOTO BY TERRILL STORY/PUBLICATIONS

The world in 3-D



PHOTO BY BOB PHELAN/PHOTOMASTERS

UMR graduate students work with hyperspectral images and soil samples to identify the "signature" for a certain terrain or soil composition.

Take a satellite photo of the world, apply some three-dimensional mapping technology, and you get a far-out, 3-D view of the world. That's what UMR researchers are attempting in a project designed to identify unstable soil areas from outer space. The effort involves the use of satellites to capture images and provide numerical information about the Earth's surface, says **Ronaldo Luna**, associate professor of civil engineering. The method uses hyperspectral imaging — this is where the 3-D comes in — to record light energy as it is either absorbed or reflected. From this information, Luna and his colleagues can characterize the Earth's terrain more accurately than with conventional, two-dimensional satellite mapping.

"This technology will mean great improvements in assessing the site characteristics and

exploring the Earth," says Luna. Using the data collected from hyperspectral images, Luna, with the help of two graduate students, forms a "signature" for a certain terrain or soil composition. "We are trying to make relationships between the signatures that we capture and the properties of the soil in order to assess the effects of traffic on the terrain," says Luna.

While the research is being conducted for Great Britain's Defense and Evaluation Research Agency, Luna foresees civilian applications for the technology as well. In particular, the imaging could help engineers in road and bridge construction, he says. The technology could help engineers locate geologic features such as sink holes and hidden bodies of water. "Knowing these things about the Earth's surface would help an engineer plan accordingly for infrastructure development."

THE SUN: A GREAT BALL OF IRON?

When it comes to theories about the sun's composition, most astrophysicists are full of gas. At least that's the opinion of **Oliver Manuel**, a professor of chemistry who has spent the better part of his career attempting to disprove conventional thinking about the sun.

For years, scientists have assumed that the sun is an enormous mass of hydrogen. But in a paper presented in January at the American Astronomical Society's 199th annual meeting in Washington, D.C., Manuel says iron, not hydrogen, is the sun's most abundant element. He agrees that hydrogen fusion creates some of the sun's heat, as hydrogen — the lightest of all elements — moves to the sun's surface. But most of the heat, he contends, comes from the core of an exploded supernova

that continues to generate energy within the sun's iron-rich interior.

"We think that the solar system came from a single star, and the sun formed on a collapsed supernova core," Manuel says. "The inner planets are made mostly of matter produced in the inner part of that star, and the outer planets of material from the outer layers of that star."

Manuel's assertion — that the solar system was born catastrophically out of a supernova — goes against astrophysicists' widely held belief that the sun and planets were formed 4.5 billion years ago in a relatively ambiguous cloud of interstellar dust. Iron and the heavy element known as xenon are at the center of Manuel's efforts to change the way people think about the solar system's origins. Analyses of

meteorites reveal that all primordial helium is accompanied by "strange xenon," he says, adding that both helium and strange xenon came from the outer layer of the supernova that created the solar system. Data from NASA's Galileo probe of Jupiter's helium-rich atmosphere in 1996 reveals traces of strange xenon gases — solid evidence against the conventional model of the solar system's creation, Manuel says.



A robotic bug's life

Insect-like robots may one day swarm over the surface of Mars, helping scientists better study the planet, says **K.M. Isaac**, who is helping to create this new breed of bugbots. Isaac, a professor of aerospace engineering at UMR, is working with NASA, the Ohio Aerospace Institute and Georgia Institute of Technology to create a locust-like robot called an entomopter. The mechanical insect, capable of crawling as well as flying, will take close-up photos and video of the Red Planet and gather other information that current technology cannot, Isaac says. Scientists hope to send these robotic bugs to Mars by the end of the decade.

Even though NASA is the principal sponsor, the military may also have uses for this technology. The Defense Advanced Research Project Agency (DARPA) is pursuing similar technologies, known as micro air vehicles, Isaac says. "They (the military) can send flying robots into caves and other places, taking pictures and gathering other electronic information." Perhaps a robotic bug could help U.S. forces track down a certain terrorist with a penchant for hiding in caves.

Say goodbye to white trash

Styrofoam poses a big problem for landfills because it takes up a lot of space. But the amount of polystyrene foam going into landfills could be reduced significantly through a process developed by researchers at UMR's Center for Environmental Science and Technology. The patented process uses fatty acid methyl esters derived from seed oils, such as soybean oil, to dissolve polystyrene. These esters work well as solvents for Styrofoam and are environmentally friendly to boot, say **Shubhen Kapila**, professor of chemistry and a senior investigator at CEST, and CEST Director **Virgil Flanigan**, ME'60, MS ME'62, PhD ME'68. Kapila and Flanigan invented the process along with **Michael Maples**, a

Ph.D. candidate in analytical chemistry.

"We can take a waste that causes many problems in landfills due to its incredibly large volume, and concentrate it into a much smaller volume," says Maples.

The researchers weren't satisfied with simply reducing the volume of waste, however. "We wanted to produce value-added products from the scrap material," Kapila says. So they have developed several uses for the material, including coatings and resin systems for composite materials such as fiberglass.

PHOTO BY BOB PHELAN/PHOTOMASTERS



Intraocular lens crafter

Gregory Hilmas has set his sights on a new solution for cataract patients and others who suffer from severe eye problems: an adjustable intraocular lens that can be tweaked after it is implanted. Hilmas, an assistant professor of ceramic engineering, is working with St. Louis ophthalmologist Harry Eggleston to make the lens, which could be adjusted using either a thread or a magnet.

Intraocular lenses are used to replace the eye's natural lens, which can become cloudy and opaque as a cataract or other eye disorder develops. During the first phase of this research, Hilmas and a graduate student, **Michael Matthews**, constructed an adjustable lens with the use of a special thread that moves the lens to adjust the prescription. In order to adjust this lens, a small, self-sealing incision in the eye would have to be made, but the patient would be able to remain conscious throughout the procedure. The next step in Hilmas' research involves adding strong magnets to the edges of the lens. If this phase is successful, no incision will be necessary to make prescription adjustments, Hilmas says.

PHOTO BY BOB PHELAN/PHOTOMASTERS



Double your pleasure: Miner swimmers come home with pair of national titles

A spring trip to Florida turned out to be an exceptional one for the UMR swimming team, which returned to campus with a fifth-place finish in the NCAA Division II Championships and a pair of national titles.

The Miners repeated as national champions in the 200-yard freestyle relay, then closed the meet two nights later by winning the 400-yard freestyle relay. In the process, the swimmers set new school records in both events.

The quartet of **Dave Belleville, Bram Olson, Sean O'Donnell** and **Mike Lach** won both titles. They posted a time of 1:22.14 in its winning effort in the 200-freestyle relay, then broke the 400-freestyle record by nearly two seconds with a time of 3:01.11.

In the 200-free relay, the Miners got impressive splits from all four swimmers as they led from start to finish; all four had 50-yard times of 20.60 seconds or less, including a 20.40 by Belleville in the opening leg that broke the UMR school record for the 50-yard freestyle. UMR also had the lead throughout the entire 400-free relay as well.

In all, the Miners broke seven school records at the meet. All 12 swimmers taking part in the meet won an All-America honor.

Belleville had a hand in setting six of the records, as he also set a new mark in the



MINER SWIMMING TEAM
(left to right) **Dave Belleville, Bram Olson, Sean O'Donnell** and **Mike Lach** on the platform in Orlando, Fla.

100-freestyle with a time of 44.55 in his third-place performance in Saturday's finals. He also placed third in the 50-freestyle to Southern Connecticut State's Ben Michaelson, who won four individual national titles in Orlando. He also helped set marks in the two medley relays. The Miners' team of **Seth Aldrich, Jeremy Evans, Olson** and **Belleville** posted a time of 1:31.90 in the 200-medley relay and placed third, while the 400-medley relay team of **Aldrich, Evans, Phil Heller** and **Belleville** finished fifth in a time of 3:23.32.

The seventh school record was set by **Ryan Campbell**, who earned it as part of his seventh-place showing in the 200-yard breaststroke. His time of 2:04.57 in the preliminaries broke Bruno Amizic's record by 0.02 seconds.

As far as the All-America honors went, **Belleville** and **Olson** both came away with seven awards; **Evans** won four; **Aldrich, Heller, Lach, Minard** and **Jack Pennuto** — an eighth-place finisher in the 400-individual medley — each won three;

Vanja Dezelic and **O'Donnell** each won a pair, and **Campbell** finished with the one he got in the 200-

breaststroke. **Emrah Kurt** also won an honorable mention All-America award by placing 12th in the 100-yard breaststroke.

Belleville finished with 23 All-America awards in his four-year career at UMR.

The fifth place finish matched the Miners' showing at last season's national meet and tied the second-best finish in school history. UMR's 302 1/2 points were the most ever scored by the Miners at a national competition, where the Miners have finished in the top 10 for the last six years.



Westre attains several post-season honors

Brian Westre finished off a strong sophomore year by earning a number of post-season honors for the 2001-02 basketball season.

Westre was selected as a member of the Verizon Academic All-America squad for the 2001-02 season as voted on by the College Sports Information Directors of America. Westre was a third-team selection — and only sophomore named to the 15-member college division team. In addition, he was named to the Mid-America Intercollegiate Athletics Association's all-conference and

Daktronics/Division II all-region squads as a second-team choice.

During the Miners' 13-15 campaign last season, Westre was the leading scorer and rebounder for the Miners. He averaged 18 points a game during the season, good for fourth in the conference, and led the league in rebounding for the second year in a row with an average of 9.6 per game. Westre was the first player since 1993 to lead the MIAA in rebounding in back-to-back seasons.

In addition, Westre became the first player in school history to reach the 1,000-point mark in his first two seasons in a UMR uniform. He has 1,012 points

through his sophomore year with the Miners. It is also the second year in a row in which Westre has been a second-team all-MIAA pick, as he earned the honor last season along with being named as the conference's "Freshman of the Year."

In the classroom, Westre is majoring in engineering management and was named last year to the MIAA's All-Academic team and as a Presidential Scholar by the conference, which is given to student-athletes with a 4.0 grade point average. He was also a member of the MIAA Commissioner's Academic Honor Roll and was the only player from an MIAA institution named to the Academic All-America squad.



Janet Borgmeyer, with softball at base, was one of 29 student-athletes from NCAA Division II schools selected to attend the 2002 NCAA Foundation Leadership Conference.

UMR softball player picked as UMR's NCAA conference rep

Janet Borgmeyer, a member of the UMR softball team, was selected to represent UMR at the 2002 NCAA Foundation Leadership Conference May 26-30 in Orlando, Fla.

Borgmeyer, a sophomore from Helias High School in Jefferson City, Mo., was one of 260 student-athletes from NCAA institutions selected to attend this year's conference and one of only 29 representatives from an NCAA Division II school. The participants in this program all come from schools that take part in the NCAA CHAMPS/Life Skills program.

The leadership conference developed out of the success of that program. Its mission is to develop a diverse group of student-athletes to become change agents on their campuses and in their communities.

Borgmeyer is a two-year starter for the Lady Miners at shortstop and at press time was the team's leading hitter with a .356 average and nine runs batted in. That performance comes on the heels of a .333 season as a freshman with 14 runs batted in. Borgmeyer also competed during the 2001 indoor track season for the Lady Miners. She is majoring in mathematics and education at UMR.

Hamera establishing new marks

Kate Hamera did not come to UMR as a distance runner, but she is finding a niche in those events for the Lady Miner track team.

Hamera is one of several UMR competitors who has blossomed during the 2002 track season, as she has established new school records in the 1,500- and 3,000-meter runs. Her performances during the season also earned her the opportunity to compete in the Kansas Relays, where she finished ninth in the 3,000-meter run.

She established a new record in the 3,000 with a time of 10:28.70, breaking Becky Wilson's mark in that event by nearly four seconds. Hamera then broke Wilson's 1,500-meter mark that had stood for a decade, then broke her own mark for a personal best time of 4:43.73.



PHOTO BY BOB PHELAN/PHOTOMASTERS

Roberts steps down

After 11 years as head coach of the UMR women's basketball team, **Linda Roberts** submitted her resignation from the position after the conclusion of the 2001-02 season. Her resignation is effective June 30.

"We appreciate Linda's efforts on behalf of the UMR women's basketball program and the department and wish her the best in her future endeavors," said UMR director of athletics **Mark Mullin**.

Roberts led the Lady Miners to a share of the Mid-America Intercollegiate Athletics Association championship and to the program's only appearance in the NCAA Division II Tournament in the 1995-96 season, when UMR finished with a record of 21-7. She had a record of 120-174 in her 11 seasons as head coach.

Mullin is in the process of searching for Roberts' replacement.

2002 SPORTS SCHEDULES

(All times Central and subject to change)

FOOTBALL

Aug. 31	at Harding, 7 p.m.
Sept. 14	DRAKE, 6:30 p.m.
Sept. 21	at Northwest Missouri State*, 1 p.m.
Sept. 28	TRUMAN (Hall of Fame night)*, 6:30 p.m.
Oct. 5	at Central Missouri State*, 1 p.m.
Oct. 12	MISSOURI WESTERN (Homecoming)*, 1 p.m.
Oct. 19	EMPORIA STATE (Family Day)*, 6:30 p.m.
Oct. 26	at Pittsburg State*, 2 p.m.
Nov. 2	at Southwest Baptist*, 2 p.m.
Nov. 9	WASHBURN*, 1 p.m.
Nov. 16	MISSOURI SOUTHERN*, 1 p.m.

MEN'S SOCCER

Aug. 31	at Missouri-St. Louis, 1 p.m.
Sept. 7	ST. JOSEPH'S (IND.), 1 pm.
Sept. 8	NORTHERN KENTUCKY, 3 p.m.
Sept. 13	at Southern Indiana, 7 p.m.
Sept. 15	INDIANAPOLIS, 1 p.m.
Sept. 20	NORTHEASTERN STATE, 7 p.m.
Sept. 22	CENTRAL ARKANSAS, 1 p.m.
Sept. 29	at Harding, 3:30 p.m.
Oct. 2	MISSOURI SOUTHERN, 7 p.m.
Oct. 5	at Rockhurst, 2 p.m.
Oct. 11	LEWIS (HOMECOMING), 4 p.m.
Oct. 13	at Avila, 1 p.m.
Oct. 16	LINCOLN, 7 p.m.
Oct. 20	MIDWESTERN STATE (Family Day), 1 p.m.
Oct. 26	at Truman, 1 p.m.
Nov. 1	at SIU-Edwardsville, 7 p.m.
Nov. 3	at Quincy, 1 p.m.

WOMEN'S SOCCER

Aug. 31	BUSCH SOCCER CLUB (EXHIB.), TBA
Sept. 7	at South Dakota State, 1 p.m.
Sept. 8	North Dakota State (at Brookings, S.D.), 11 a.m.
Sept. 11	at Missouri-St. Louis, 7 p.m.
Sept. 18	at Missouri Southern*, 7 p.m.
Sept. 20	NORTHEASTERN STATE, 5 p.m.
Sept. 22	at Central Missouri State*, 2 p.m.
Sept. 27	at Central Oklahoma, 3 p.m.
Oct. 2	MISSOURI SOUTHERN*, 5 p.m.
Oct. 4	NORTHWEST MISSOURI STATE*, 5 p.m.
Oct. 6	CENTRAL MISSOURI STATE*, 2 p.m.
Oct. 11	TRUMAN (HOMECOMING)*, 7 p.m.
Oct. 13	EMPORIA STATE*, 1 p.m.
Oct. 18	at Murray State, 4 p.m.
Oct. 20	at Truman*, 12 p.m.
Oct. 25	at Emporia State*, 7 p.m.
Oct. 27	at Northwest Missouri State*, 2 p.m.
Oct. 31	SOUTHWEST BAPTIST*, 7 p.m.
Nov. 2	at Rockhurst, 2:30 p.m.
Nov. 9	at Southwest Baptist, 12 p.m.

*Denotes MIAA game



UMR
UNIVERSITY OF MISSOURI-ROLLA



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
E-mail: alumni@umr.edu
Web site: www.umr.edu/alumni

Armin Tucker honored by Alumni Alliance



The UM Alumni Alliance recently honored one of MSM-UMR's most loyal alumni, **Armin Tucker**, MinE'40, with the Presidential Citation for Outstanding Alumni Service to the University of Missouri-Rolla at the Alliance's 28th Annual Legislative Day Feb. 27.

Tucker served on the MSM-UMR Alumni Association Board of Directors and chaired its nominating committee as well as served on the Order of the Golden Shillelagh Executive Committee. He is an Honorary Knight of St. Patrick and a founding member of the M-Club. With their strong interest in athletics, he and his twin brother **Norman**, MinE'40, have established scholarship funds, funded athletic office renovations and donated toward team trips. Look around at almost any athletic, cultural or social event at UMR and you'll find Armin and Norman Tucker. Their outstanding record of support has made them two of Rolla's most well known faces. The MSM-UMR Alumni Association is proud to have nominated Armin Tucker for this much-deserved award.

Message delivered at Legislative Day



It was a difficult time to be visiting Missouri legislators asking for support for UMR, in light of the state's current budget situation, but the following alumni and friends did just that at Legislative Day Feb. 27: *John and Ruth Amos, Art Baebler '55, Lindsay Bagnall '76, Bob Bay '49, Frank Capek '56, Arnold and Carolyn Cohn, Jim Foil '74, Michael Foresman '67, Larry '73 and Polly '73 Hendren, Diana Martin, Michael McMenus '81, Cal Ochs '49, Dan '90 and Loretta Paulson, Darlene Ramsay '84, Joe Reichert '59, Bob Sfredo '58, Neil Smith, Gary Thomas, Marianne Ward.*

Higher education presentations held around Missouri

Missouri's public institutions of higher education are spreading the word — higher education is the key to building Missouri's future. Representatives of the Council on Public Higher Education are speaking to groups of alumni and friends around Missouri to educate the public on the value of higher education and to ask for support for maintaining state funding for public higher education. Local business leaders, economic development professionals and even the military are sharing the platform to tell how they benefit from Missouri's public higher education.

Several MSM-UMR alumni and friends attended the first of these meetings in Kirksville on Feb. 11, joining a crowd of primarily Truman State University alumni. The meeting in Rolla on March 5 drew a crowd of 140, primarily Rolla-area MSM-UMR alumni and community supporters. Further meetings were scheduled for St. Louis, St. Joseph, Kansas City and Jefferson City.

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.



Alumni and friends work to reduce funding cuts

State budget cuts were on the minds of key alumni, parents and friends who attended four public resource ambassador meetings throughout the state in February. UMR faces a \$5.3 million cut for the coming fiscal year, and supporters want to make sure there is no further erosion of the state's base of support for the University of Missouri System.

Speakers to the groups included Chancellor Gary Thomas; Cal Ochs '49 and Larry Hendren '73, the chair and upcoming chair of the association's government relations committee, respectively; and Don Brackhahn, executive vice president of the association.

Those attending the Feb. 7 event at Albertson's in Springfield, Mo., included Gary Bockman '70; Earl Burk '70; Dan Conner '71; Diana Dohmen '83; Duane Highley '83; Fred Ipock '76; Gerald Lee '76; David Plank '59; Amy Ruggeri '90; Kevin Skibiski '75 (moderator); Windsor Warren '48; Brackhahn; Hendren '73, and Thomas.

Those attending the Feb. 7 event at Burns and McDonnell Headquarters in Kansas City, Mo., included Lucien Bolon '59; John Frerking '87; Warren Keith '72; Craig Koenig '86 (moderator); Dan Krueger '94; Diana Martin (parent); Rolland Ponzer '74; Joe Reichert '59; E. Bob Ronan '75; Robert Sauer '83; Brackhahn, and Hendren '73.

Those attending the Feb. 12 event at the Engineers Club of St. Louis included Paul Andrew '81; Bob Bay '49; Bob Berry '72; Al Buescher '64; Mike Bytner '68; Arnold & Carolyn Cohn (parents); Barbara and Neil '56 Fiala; Randy Dreiling '81; Aaron Greenberg '50; Holly Hawkins '00; John Hixson '71; Ron Jagels '86; Phil Jozwiak '66; Ray Kalbac '70; Rich Kastel '67; Kraig Kreikemeier '63; Oscar Muskopf '42; Mike Neuner '98; L.G. Loos '77; Ron Williams '63; Cal Ochs '49; John O'Reilly '76; Ted Peachee '72; Susan Rothschild '74; Claude Strauser '69; Max Waggoner '76; Esther Walker '94; Ralph Wolfram '50; Carrie Beth Wright '00; Brian Wright '01; James Hunn, intern with Corps of Engineers; Brackhahn, and Thomas.

Those attending the Feb. 14 event at Bone's Restaurant in Jefferson City, Mo., included Daniel Carey '90; Polly '73 and Larry '73 Hendren; Paul Jobe '95; Christine Kump '95; Steve Meyer '86; Cal Ochs; '59 (moderator); Bob Sfreddo; '58; Don Shaw '69; Dyle Wilson '70; Brackhahn and Thomas.

Association adds four new endowments

At their executive committee meeting in August 2001, the alumni association accepted four new endowments. These endowments, two of which are scholarships, will increase the amount of assistance available to the campus and today's students through the alumni association.

Glenn and Janet Brand Endowment

Established by **Glenn Brand** ChE'39 and his wife **Janet**, of Steelville, Mo., this endowment will benefit the chemical engineering department. Income from the endowment will be used at the department's discretion for program support, student support, or other purposes beneficial to the department. Members of the Brand family have long been familiar faces at alumni association events: Glenn and Janet at Central Ozarks Section events, joined by their sons and daughters-in-law — Joel '86 and Ann '84, and Glenn '83 and Mindy '84 — at St. Pat's and Homecoming, as well as at section events in their home areas.

Richard Erxleben Scholarship

Prior to his death on Feb. 14, **Richard Erxleben** CE'69 and his wife **Sandy** established this scholarship fund to benefit football athletes. Many of his friends and business colleagues helped the fund to grow through their contributions in honor of and in memory of Erxleben. The athletic department selects the recipient, with preference to a defensive secondary football player who illustrates motivation and leadership qualities.

Ellis J. and Carolyn K. Smith Family Endowment for Ceramic Engineering

Ellis J. Smith CerE'55 and his wife **Carolyn** created this endowment to benefit the ceramic engineering department. The department will receive the income from the endowment each year to use in support of its programs.

John and Dorcas Park Scholarship

John B. Toomey ME'49 and his wife **Kelly** established this scholarship endowment in honor of John and Dorcas Park on the occasion of Park's retirement as chancellor of UMR. The proceeds from this endowment will be used to support freshman scholarships.

THE MSM-UMR ALUMNI ASSOCIATION THANKS THESE GENEROUS DONORS FOR THEIR COMMITMENT TO EXCELLENCE AT UMR.

Chancellor's Cup Golf Tournament

Monday,
Sept. 23, 2002
at the Legends

For more information
contact Lucy Sutcliffe at (573) 341-4490
or e-mail lucys@umr.edu



Get Your Kicks!

MSM-UMR

schedule of events

Monday, Oct. 7, through Sunday, Oct. 13

Stop by the Miner Lounge, UC-E, to register for Homecoming and pick up the complete schedule of events.

Thursday, October 10

Noon UMR Board of Trustees (luncheon/meetings/dinner), Silver & Gold, UC-E
6 p.m. reception Academy of Mechanical and Aerospace Engineers
7 p.m. dinner Induction Reception and dinner at Zeno's Restaurant

8 p.m. Physics Alumni Reception, home of Ed & Barbara Hale, 821 Oak Knoll Road
9-11 p.m. **HOMECOMING DANCE**, Centennial Hall, UC-E. *Come and get down to music by request from Bill's Music Machine. No charge for this event; cash bar available.*

Friday, October 11

8 a.m.-4:30 p.m. **HOMECOMING REGISTRATION**, Miner Lounge, UC-E
8 a.m.-3 p.m. Corporate Development Council meetings
8 a.m.-4:30 p.m. UMR Archives "Memories" Display, Miner Lounge, UC-E
stop by for information and advice to help you with preservation of photos and scrapbooks
8:30 a.m.-noon UMR Board of Trustees, Silver & Gold, UC-E
9 a.m.-2:30 p.m. Academy of Mechanical and Aerospace Engineers, Carver-Turner, UC-E
9 a.m.-2:30 p.m. Academy of Mechanical and Aerospace Engineers Spouse Program
9:30-11:30 a.m. School of Mines and Metallurgy Alumni Academy, 124 McNutt
11:30 a.m.-1 p.m. Luncheon for Volunteer Leaders (*Board of Trustees, Alumni Board, Corporate Development Council, Academies, and other boards*), Centennial Hall, UC-E (tickets required)
11:30 a.m. Psychology Advisory Board
1-4 p.m. Alumni/Student Golf Tournament (*call Student Union Board, (573) 341-4220, or e-mail sub@umr.edu to sign up*)
"Sculpting a New Path" by Jim Bogan
1:30-2:30 p.m. Alumni Association Board of Directors, Missouri Room, UC-E
1:30-4:30 p.m. Electrical and Computer Engineering Alumni Reception, Emerson Hall First Floor Lobby
2:30-4 p.m. Department of Mechanical and Aerospace Engineering and Engineering Mechanics Alumni Reception, home of department chair Ashok Midha, 808 Lariat Lane (*Academy of Mechanical Engineering members, mechanical/aerospace/engineering mechanics alumni, faculty, staff and students*)
3-5 p.m. "Get Your Kicks on the Web" by Michelle Heizer '99 and Jennifer Lynch '74
3-5 p.m. Chemical Engineering Alumni Reception, 144 Schrenk
3-3:30 p.m. Chemistry Alumni Social, Webb Reading Room, 121 Schrenk
3:30-4:30 p.m. Chemistry Department Seminar, G-3 Schrenk
3-4:30 p.m. Engineering Management Alumni Reception, Eng. Mgt. Foyer
3:30-4:30 p.m. Biological Science Alumni Reception, 105 Schrenk Hall
3:40 p.m. Physics Department Coffee & Doughnuts Reception
4-5 p.m. Physics Seminar, 104 Physics
4-5:30 p.m. 14th Annual Civil Engineering Alumni Reception, Kummer Atrium, Butler-Carlton Hall (*All CE alumni, faculty, staff, students and friends are invited to attend*)
4-6 p.m. Sixth Annual Keramos Ceramic Engineering Alumni Homecoming Barbecue, McNutt Hall Quadrangle Area (*McNutt Hall Commons if bad weather*)
4 p.m. Men's soccer vs. Lewis University, Soccer Complex
5 p.m. Groundbreaking for the Havener Student Center, 14th & Bishop (Hwy. 63)
5:30-8:30 p.m. SILVER & GOLD REUNION COCKTAIL BUFFET, Centennial Hall
7 p.m. Epsilon Psi Chapter of Alpha Phi Alpha Fraternity, Black & Gold "Miss Epsilon Psi" Ball and Step Show, location TBA, \$7 (*contact Dwan Prude at prude@umr.edu or (573) 364-4164 for reservations and information*)
7 p.m. Women's soccer vs. Truman State University, Soccer Complex

Saturday, October 12

7:30-9:30 a.m. All-Alumni Breakfast Buffet, Dining Hall, 1st Floor, UC-E
7:30-10:30 a.m. **HOMECOMING REGISTRATION** continues in Miner Lounge (*registration moves to Bullman Multi-Purpose Bldg. at 11 a.m.*)
UMR Archives "Memories" Display, Miner Lounge
stop by for information and advice to help you with preservation of photos and scrapbooks
9-10 a.m. "Space: the Ultimate Road Trip" by Tom Akers
9-11 a.m. **ALUMNI LEADERSHIP CONFERENCE**, Mark Twain Room
9-10 a.m. Section Leaders Session, Marianne Ward, Alumni & Constituent Relations Office
10-11 a.m. Admissions Ambassadors Session, Carol Smith, Admissions & Student Financial Assistance Office
8:30 a.m. Order of the Golden Shillelagh Executive Committee, Castleman Hall 2nd Floor Conference Room
9 a.m.-2 p.m. UMR Bookstore open for alumni and visitors, UC-W
alumni merchandise will be 20% off!
10-11 a.m. "I Know Beans About It" by Drs. Virgil Flanigan, and Shubhender Kapila
10-11 a.m. "Messiah" Sing, Leach Theatre stage, \$25 donation requested to UMR Music Programs to participate
10-11:30 a.m. Chancellor's Reception at the Chancellor's Residence, hosted by Chancellor Gary Thomas and Dr. Barbara Tedesco
10-11:30 a.m. Teacher Education Alumni & Friends Brunch (*call Evalee Lasater at (573) 341-4692 or e-mail lasater@umr.edu for reservations*)
11 a.m.-1 p.m. UMR Athletic Hall of Fame open to visitors
11:30 a.m. **REUNION TAILGATE PARTY** for all alumni, family and friends, Gale Bullman Multi-Purpose Building. *Lester's Learn 'n Play, jugglers, balloon sculpture, face painting and other family activities, so bring the kids! Features reserved seating for the reunion classes of 1951 and before, 1952, 1957, 1962, 1967, 1972, 1977, 1982, 1987, 1992, 1997 and 2002.*
CLASS PICTURES WILL BE TAKEN AT NOON!
Football Kickoff - **MINERS VS. MISSOURI WESTERN STATE COLLEGE**, Allgood-Bailey Stadium
4-5 p.m. Miner Music Section, 138 Castleman Hall (Choir Room)
5 p.m. Mass at St. Patrick's Catholic Church, followed by a Wine and Cheese Social at the Newman Center
5-5:45 p.m. College of Arts & Sciences Alumni Reception, Carver-Turner
6:15 p.m. **CASH BAR RECEPTION**, Miner Lounge
6:30 p.m. Computer Science Alumni Banquet, Zeno's Restaurant (*reception 6:30 p.m., dinner 7 p.m. - contact Carleen Humphrey (573) 341-4492 or humphrey@umr.edu for reservations*)
7-9 p.m. **AWARDS BANQUET**, Centennial Hall, UC-E, followed by the MSM-UMR Alumni Association Annual Meeting

Sunday, October 13

1 p.m. Advisory Committee for African-American Recruitment and Retention, Missouri Room, UC-E
1 p.m. Women's soccer vs. Emporia State University, Soccer Complex

HOMECOMING 2002 OCT. 11-12

STUDENT-SPONSORED HOMECOMING ACTIVITIES

GAMES, Monday-Thursday, Hockey Puck, 12:30 p.m.

HOMECOMING BARBECUE, Hockey Puck, Monday, Oct. 7, 11 a.m.-1:30 p.m.

HOMECOMING LIP SYNC CONTEST, Tuesday, Oct. 8, 7-10 p.m.

HOMECOMING BANNERS, on display starting Wednesday, Oct. 9, at 4:30 p.m. in the UC-E game room

ALUMNI/STUDENT GOLF TOURNAMENT, UMR Golf Course, Friday, Oct. 11, 1 p.m.

HOUSE DECORATIONS, on display around campus, Friday, Oct. 11, 4 p.m.

ROYALTY INTRODUCTIONS, Saturday, Oct. 12, Allgood-Bailey Stadium, 12:30 p.m.,

HOMECOMING KING AND QUEEN CROWNED AT HALFTIME!

Call Student Union Board at (573) 341-4220 or
e-mail sub@umr.edu for more information regarding specific events.



EDUCATIONAL PIT STOPS

Take a break along the road for entertainment and education! Look what we have lined up for you:

Friday, Oct. 11

1:30-2:30 P.M.: SCULPTING A NEW PATH. Prof. **Jim Bogan** and will take you on a trip like no other — toward the creation of the Millennium Arch. The sculpture by world-renowned artist Edwina Sandys blends art with UMR's water-jet technology. Watch a short video and then hear how UMR students add their own "touch of art" to the figures. A short course that is sure to be lively and entertaining.

2-3 P.M.: ON THE ROAD TO DIVERSITY: A HISTORY OF DIVERSITY AT UMR. **Lawrence George**, UMR's assistant to the chancellor for affirmative action and equal opportunity, takes you on a trip back in time to see how far UMR has come on the road to diversity.

3-5 P.M.: GET YOUR KICKS ON THE WEB. No matter your skill level, UMR's web divas and alumnae, **Jennifer Lynch '74**, and **Michelle Heizer '99**, will help you map out a way to create a Web page, improve your existing one or just give you ideas to bring back to the office. This is Web page design for anyone with a pulse.

Saturday, Oct. 12

9-10 A.M.: SPACE: THE ULTIMATE ROAD TRIP. Retired Astronaut **Tom Akers '73**, now instructor of mathematics and statistics at UMR, takes you on a journey through his four trips into space. First-hand stories about space shuttle adventures prove that space travelers really do still get their kicks.

10-11 A.M.: I KNOW BEANS ABOUT IT. Drs. **Virgil Flanigan** and **Shubhender Kapila** hope to do for the soybean what George Washington Carver did for the peanut. Can soybean oil kill anthrax spores? Can soybean oil replace petroleum-based smog oil for military exercises? Hear about the latest uses for this versatile crop.



Havener Center to become a reality

We'll break ground for the new student center while you're here to help us! Come to the corner of 14th & Bishop (Hwy. 63) on Friday at 5 p.m. and help us get "on the road" to completion of this new facility.

BETA SIGMA PSI celebrating 50 years

Oak Meadow Country Club will be the scene as Beta Sigma Psi alumni, active members and their guests celebrate 50 years at UMR on Saturday, Oct. 12. Other activities are planned for the Beta Sigs this weekend. Contact Dan Elze at danelze@netzero.net or (314) 865-0731 or Eric Held at eh488@yahoo.com.

Calling all INDEPENDENTS from the early 1980s

A group of GDI alums from the early 1980s is planning a "20-something" year reunion this Homecoming. Highlights of the weekend include an elegant dinner dance at a private estate on Saturday night accompanied by the sounds of the Big Band era and a barbecue picnic at the park on Sunday — complete with a Frisbee Golf Tourney. Hotel lodging, shuttle bus transportation service, and superbly catered activities are all part of a weekend package deal available to interested alums who are finally ready to return to UMR and socialize with some old friends.

Tickets to this must-attend event are via reservation only, and will be sold on a first-come, first-served basis. Reservations are limited and must be made by Aug. 31, 2002. Tickets will not be sold at the door.

If you are interested in attending this event, please contact any member of the organizing committee, which includes Mike Muehlemann (Physics), Pat Garey (Physics), John Werner (EE) and Kevin Griesemer (EngMgt) — or you can just send an e-mail to mmuehlem@twcny.rr.com to receive a detailed informational flyer and order form. Act now before it's booked. You know it's going to be the **Best Ever...**



Football team of 1946-50 to gather

Were you a member of the team? Then you won't want to miss this chance to get back together and catch up with your teammates! Contact Alden Williams at (314) 741-4383 for details.

Class of '77

Just 25 short years ago you were all here together... get back together and do it again this fall! Your class coordinators are planning something wonderful for you at Homecoming, so mark your calendar and plan to be here.

Jackling Jocks

Did you live in Jackling Gym? If so, you're one of the Jackling Jocks! Join them for their activities at Homecoming and relive those days. Get the scoop by contacting Tom Herrick at herrick@umr.edu or Marilyn and Newt Wells at mnwells@worldnet.att.net

Your best chance to dance all year!

Bring your dancing shoes and come to Centennial Hall at 9 p.m. on Friday for the Homecoming Dance! Bill's Music Machine will be playing the music YOU request, so you know it will be good. There will be a cash bar, if you get thirsty. Wear whatever's best for dancing — anything from jeans to dressy is OK!



Need a place to stay?

Check out the Rollanet Web site at www.rollanet.org/business/motels.html or call the Rolla Area Chamber of Commerce at (573) 364-3577.

Looking for a new job?

Jamie Archer and Marcia Ridley of UMR's Career Opportunities Center will have a booth at Homecoming Registration to help MSM-UMR alumni land that perfect job. Stop by to hear their secrets and learn how to market yourself for your next job step!



Alumnus Redesign

The producers of your *MSM-UMR Alumnus* have been busy redesigning the magazine over the past several months. The redesigned magazine will debut next spring, but this is your chance for a sneak preview of the changes in the works. Two of the editors — Rebecca Frisbee, '90 (art and production), and Andrew Careaga (news and features editor) — will unveil prototypes of the new design and discuss changes in content and other aspects of the magazine. This session will also serve as a focus group of sorts; your ideas on how to improve the magazine will be welcome.

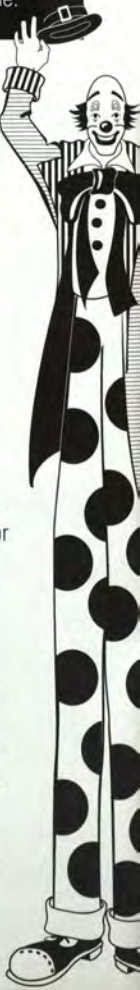
The pig is back!

Yes, the Silver & Gold Reunion Cocktail Buffet will once again feature roast pig! Your ticket includes a free drink coupon, too, for use either at the traditional bar or at the new "mocktail" bar — fancy drinks that keep you fit for the road. We've also planned some other surprises for you at this event, making it even bigger and better, so you don't want to miss it!



Don't miss the fun this year!

Saturday's Reunion Tailgate Party is especially geared for kids. You say you'd like to come to Homecoming but don't want the hassle of getting a sitter? Come for the day, bring the kids — you can enjoy yourself with your classmates while the kids enjoy "Lester's Learn & Play." Have a relaxed lunch, get in your class picture, then take the kids to the football game. Who knows, you might even learn to juggle!





RESERVATIONS

Please make your reservations early, as some activities are limited. Fill out the form below and **mail, fax, or call in your reservations by Sept. 13, to pre-register**. Your tickets will be ready for you to pick up at the Registration Desk when you arrive on campus at Homecoming.

By mail: Enclose check (or charge card information), fold and tape edges.

By fax: (978) 926-7986, 24 hours a day (be sure to include your credit card information).

By phone: (573) 341-4145, 9 a.m.-4 p.m., Monday-Friday (have your credit card handy).

EVENTS

TICKETS

_____ Silver & Gold Reunion Cocktail Buffet - \$20/person includes a drink coupon (cash bar)

_____ Homecoming Dance - NO CHARGE! (cash bar)

_____ All-Alumni Breakfast Buffet - \$10/person, age 7-12 \$5, under age 7 free

_____ Reunion Tailgate Party - \$14/person, age 7-12 \$7, under age 7 free

REUNION CLASS PHOTOS WILL BE TAKEN AT THIS EVENT!

_____ Miners vs. Missouri Western - \$5/person, under age 7 and Golden Alumni free

_____ Awards Banquet for the presentation of Alumni Achievement, Merit and Service Awards; Distinguished Young Alumnus Awards; Honorary Life Membership; Frank H. Mackaman Alumni Volunteer Service Award; Outstanding Student Advisor Awards; Outstanding Staff Member Awards; Alumni Excellence in Teaching Award; Outstanding Alumni Section Awards - \$26/person

_____ **Tickets for ALL events - \$75/person and \$35 for Golden Alumni!**

Golden Alumni (those who graduated 50 or more years ago) receive a 50% discount on all tickets except football, which are complimentary from the Athletic Department.

Name #1 _____

Name #2 _____

Address _____

City/State/ZIP _____

Home Phone _____ Work Phone _____

Class Year _____ Discipline/Department at MSM-UMR _____

PLEASE MAKE CHECKS PAYABLE TO: MSM-UMR ALUMNI ASSOCIATION

Check enclosed in the amount of _____

Please charge to my credit card: ___ Visa ___ Mastercard ___ AMEX ___ Discover

Credit Card Number _____ Expiration date _____

Name as printed on card _____

Signature _____

Don't forget to check at the Registration Desk in the Miner Lounge (University Center-East, second floor) for late entries into the schedule of events!

For assistance with Homecoming reservations for meals, football game or short courses, please call or write: Alumni Office, Castleman Hall, 1870 Miner Circle, Rolla, MO 65409-0650.

Information number: (573) 341-4145 / Fax number: (978) 926-7986 / E-mail: alumni@umr.edu

Get Your Kicks!

The
Intercollegiate
Knights are
looking for
alumni of their
Osage Chapter,
founded on
UMR's campus
in 1963.

**IK ALUMS ARE ASKED
TO CONTACT:**

James Williams
former National
Executive Secretary
504 N. 7th St.
Temple, TX 76501
254-771-2577

**OR VISIT THE IK
ALUM WEB SITE:**

[http://inman.surnameweb.org/
IK/index.html](http://inman.surnameweb.org/IK/index.html)

**WE WANT YOUR
NEWS!**

Deadline for submissions
to the fall 2002 issue of the
MSM-UMR Alumnus

July 8, 2002



MSM-UMR alumni fill Section 125 with enthusiasm for the Wichita Thunder.



Sean Daly '96, Air Capital's activities coordinator, enjoys the "perks" of organizing a group for the hockey game – a free T-shirt.

Air Capital hosts date with skates

Nearly 20 MSM-UMR alumni, family and friends of the Air Capital Alumni Section cheered on the Wichita Thunder, a minor league hockey team, Jan. 19. Although the Thunder lost to Fort Worth, 3-1, everyone had a good time. Fans received a free picture of the team and got to skate on the ice with the Wichita Thunder players after the game. Sean Daly '96 coordinated the event, which was held at the Kansas Coliseum.

Those attending included Sean Daly '96; Rob Davis '70; John Goethe '92; Jarrod Grant '98 and Liz Dixon; Melissa '96 and David '95 Herberger and guests; Vicki Johnson '82; Tony '98 and Laura (Bandy) '99 McLaughlin; Kirk Peterson '95 and Tracy Klein; Randy and Jill Schuets and family; and Aleen Stinson '86.



A mini "Alice" greeted guests at the Air Capital St. Pat's party.



Celebrating St. Pat's in Rolla style, first row: Jim Flippin '62, John Goethe '92, Rob Davis, Jim Parker '78. Second row: Tony McLaughlin '98, Brian Stinson, Aleen Stinson '86, Sean Daly '96, and Laura (Bandy) McLaughlin '99.

Air Capital's St. Patrick's Day Party

Air Capital alumni and friends began their St. Pat's party on March 17 by parading past "Alice Junior" into the home of Laura (Bandy) '99 and Tony '98 McLaughlin. (No one was knighted.) After getting to know each other, the members decided it was time to conduct a little chemistry experiment, through which they determined that Guinness does not turn green no matter how much food coloring you add. Following their scientific work, the group consumed many delicious snacks and participated in two wonderfully amusing games of Cranium, a game the group now highly recommends. All in all, it was a wonderful time and next year we hope to see more participants at the annual Air Capital Section St. Patrick's Day Party. The McLaughlins and Sean Daly '96 planned the event, and the McLaughlins served as the hosts.

Attendees included the McLaughlins; Daly; Brian and Aleen (Swart) '86 Stinson; Jim '62 and JoAnne Flippin; John Goethe '92; Rob Davis; and Jim Parker '78.



Against the backdrop of John Livingston's historic home, the Ark-La-Tex alumni stand for a final photo with Don Brackhahn before his retirement.

Ark-La-Tex hosts going-away dinner for Brackhahns Jan. 19

The Ark-La-Tex Section meeting began on Jan. 19 with an "attitude adjustment" hour at the home of John Livingston '39, in Elm Grove, La. Ernie Green '70, president of the section, called the meeting to order and held a short business meeting. After Kenny Cochran '83 made the treasurer's report, it was determined that \$400 would be given to the Ark-La-Tex Section Scholarship Fund. Livingston then reported on his visits with widows and older alumni.

Green then introduced Don Brackhahn, the long-time alumni director who was making his last visit to the section before retirement. Brackhahn brought everyone up to date on the campus and explained some future changes at UMR. Door prizes were distributed and then Livingston presented Brackhahn with a *History of the Livingston Family* for the alumni office. John Wilson, retired chair of UMR's mining department, then spoke on his recruitment activities in the Ark-La-Tex area. Following the meeting the members went to Copelands, a Cajun restaurant in Shreveport, La., for dinner.

Those attending included Ardella and Phil '48 Browning; Helen Bruening (widow of Walter '34); Clydelle Compton (widow of Basil '39); Elmond Claridge '39; Beth and Kenny '83 Cochran; Ernie '70 and Gerri Green; John Livingston '39; Loretta Moscardi (widow of John '50); Louise Patton; Gene '62, and Judy Rand; John and Meg Wilson; and Don and Nancy Brackhahn.

Carolinas Piedmont Section turns "Red Room" green



Alumni and friends turned the Red Room green during the St. Pat's party on March 9.

Langston '52 initiated a lively discussion when he raised the question, "Why did we go to MSM-UMR?" The next Carolinas Piedmont event was the annual golf tournament on Thursday, May 2.

Those attending the St. Pat's party included: John Brocke '97; Brian '97 and Julie Tenholder; Tom E. Graves '73; Gene '52 and Lorette "Lennie" Langston; Kurt '77 and Kathy Nielsen; Robert '92 and Becky Bartelsmeyer; Bill '69 and Sandy Knaut; James '65 and Fay Clippard; Michael '87 and Kathy Tonelts; and Thomas '43 and Alice Gregory.

The Carolinas Piedmont Section turned the Red Room at the Elks Lodge in Salisbury, N.C., green on March 9. Brian Tenholder '97 and John Brocke '97 organized the St. Pat's party, where 22 alumni and friends enjoyed good company, food and drinks. Brocke, the party's host, and Tenholder spoke to the group. M.E. "Gene"

Record crowd joins Central Ozarks for pre-parade party at Alumni Lounge

A record number of alumni, friends, faculty and staff helped kick off the St. Pat's Parade with a pre-parade party in the alumni association lounge. More than 100 people stopped in to share St. Pat's stories and to enjoy the food and beverages prior to the parade on Saturday, March 16.



Alumni from all over the nation enjoy the Central Ozarks Section St. Pat's reception in the alumni lounge prior to the parade.

Those attending were: Fred '69 and Rose Achelpohl; Ben '76 and Rhonda Ackley; Ed Albee '78; John Allen '42; Sue Aurelius; Lindsay Bagnall '76; Keith '64 and Pat Bailey; Nicole Banks; Don and Nancy Brackhahn; Glenn '83 and Mindy '84 Brand; Joel Brand '86; Andrew Careaga; Jerry '62 and Mary Chatham; Don and Sigrid Cronin; John '74 and Jan Cummings; Claire Faucett; Bob Doerr '72; Mark Drum '77; Jim Eckelkamp '77; Dick Elgin '74; Curt '86 and Cecilia '86 Elmore; Max '70 and Martha Ethridge; Marcia Ethridge; Dixie Finley '68; Allen Flerlage '98; John Gladysiewicz '64; Jay Goff; Neal '61 and Lynn Grannemann; Lisa Gremaud; Tom Halbrook '60; Greg Harris; Jim '59, '63 and Ingrid Hartman; John '60 and Bonnie Harty; Paul Hatcher '67; Michelle '99 and Alex Heizer; Sue '85 and Al '85 Hoppe; Scott Kier '82; Dave '82 and Kathy '82 Kusmec; Neal '74 and Joan Lewis; Mike Lloyd; Pat '76 and D.C. Look; Doug, Sarah, Emily and Matt Look; Jennifer Lynch '74; Pam Manley '90; George McPherson Jr.; Carlos Mendoza; Andres Mendoza; Ashok and Chris Midha; Tom '73 and Janice Mills; Tommy Mills; Bill and Maggie Morrison; Tricia Murphy; Renny '65 and Pat Nichols; Carolina Nunez '01; Gene Pahlmann '68; John T. Park; Dominic Quartier '80; Cheryl Ragan; Agnes and Chuck '49 Remington; Joe Sillyman '77; Neil Smith; Don Spencer '52; Lynn Stichnote; Mary Helen Stoltz '95; Bill Stoltz '95; Jerry Swank '63; Mike Tindill '77; Bill Todd '49; Bob '62 and Nancy Toma; Armin Tucker '40; Norman Tucker '40; Randy Verkamp '72; Marianne Ward; Frank '59 and Isabel Weston; and Bill Zaner '74.

Windy City alumni celebrate St. Pat's, raise funds for picnic

The annual St. Pat's meeting of the Chicago Section was held at Crossroads Restaurant in Elmhurst, Ill., on Sunday, March 10. Forty-one alumni and friends joined in the festivities. After pizza and the normal St. Pat's liquid refreshments, Kerry Knott '96, president of the section, held a short business meeting. The following officers of the section were elected for the coming year: president, Kerry Knott '96; vice president, Chris Hudson '96; and secretary/treasurer, Mark Goldsmith '94.

Don Brackhahn, the alumni director on his last visit to the section before retirement, brought everyone up to date on changes occurring at UMR and the benefits provided to alumni by the association. After a brief question-and-answer period, a few door prizes were distributed. Melanie Goldsmith coordinated the "white elephant" sale that raised more than \$160 for the back-to-school picnic that will be held next summer at the home of Bob Wilson '62. There was quite a bit of interest in acquiring a ceramic St. Pat's cat brought by Kathy Andersen '79, and Chris Nibeck '89 was fortunate to receive someone's old St. Pat's sweatshirts that were brought in for the "white elephant" sale. Everyone had a great time and looks forward to next year's event.

Those in attendance included: Tara Algreen '98; Kathy '79 and Erik Andersen; Laura J. Blaser '75 and daughter; David '49 and Betty Brasel; Steve Dunkmann '72; Ron Fadler '72; Aaron Garland '01; Mark '94 and Melanie Goldsmith and family; Jenny Grossmann '97; Chris Hudson '96 and friend; Jon Isaacson '98; Larry Jackson '77; Megan Jewett '99; Kerry Knott '96 and fiancée; Mike '77 and Sandy '77 Marx; Bob '71 and Liz Morrison and family; Chris '89 and Kathy '84 Nibeck and family; Marshall Peltz '80; Bob Saxer '61, '62; Greg '85 and Della Skannal and family; Joseph G. Toth Jr. '74; Bob Wilson '62; and Don and Nancy Brackhahn.



A sea of green invaded the Crossroads Restaurant for the annual Chicago Section's St. Pat's pizza party and "white elephant" sale.



Chicago area alumni and their family members enjoyed the St. Pat's activities.



Houston area alumni gather around Don and Nancy Brackhahn, center, to say goodbye as Don retires after more than 16 years as director of the alumni association.

Houston Farewell to Brackhahns

Houston area alumni gathered for dinner to wish Don and Nancy Brackhahn well and farewell during his retirement and to thank him for a job well done. Nicole Talbot '77 organized the event and Rich Langenstein '87 hosted it on Feb. 16 at the Briar Club. Brackhahn, executive vice president of the alumni association, spoke to the 24 alumni and friends who attended the dinner.

Those attending included: the Brackhahns; Andy Laegeler '01 and Molly Schneider '00 and guest; Rex Alford '40 and guest; Russell Pfeifle '74 and Nicole Talbot '77; Wayne '58 and Betty Andreas; Michael '96 and Zachlyn '98 Farwig; Perrin Roller '80; J. Curtis '73 and Marybeth Killinger; George Davidson '83 and wife; M.C. Zeid '51 and wife; and Rich '87 and Stephanie Langenstein.

Dallas/Ft. Worth Section holds St. Pat's party

On Saturday, March 9, the Dallas/Ft. Worth Section held its annual St. Pat's party. It was held at the Warren and Julie Unk residence. Eighteen alumni and their spouses attended.

The following attended: Glenn Brand '86, Bob '96 and Laura McKee, Greg Copeland '77, Jim '79 and Denise Wray, Scott '88 and Irene Peterson; Steve '93 and Angie Lynchard; Jim '71 and Rita Jahagirdar; Steve '82 and Peggy Baechle; Paige Navin '01; Matthew Fischer '99 and Warren '91 and Julie Unk.

Las Vegas goes for the gold, forms new alumni section

A "Go for the Gold" St. Pat's dinner meeting was held at Landry's Seafood Restaurant on March 13 for Las Vegas area alumni to form a new MSM-UMR Alumni Association section in Las Vegas. The meeting was attended by 22 alumni, family and friends.

Marianne Ward, a representative from the alumni association office, was on hand to explain how a local chapter is formed and its functions. A formal charter was signed by all alumni in attendance, meeting the requirements to form a Las Vegas chapter. The new section's charter and bylaws were formally accepted and approved by the MSM-UMR Alumni Board of Directors on April 20.

Following the signing of the charter, Tom Doering '77, '78 was elected as president, and Roger Keller '75, '82 was elected as secretary/treasurer. A \$20 annual dues fee was established for members. For those interested in joining the Las Vegas Section, please send \$20 to Roger Keller, 7320 Red Cinder St., Las Vegas, NV 89131.

For the evening's entertainment, slides from St. Pat's past, compliments of Hemendra "Hemi" Kalia '67, and St. Pat's present, compliments of UMR, were shown with sufficient comments from the "peanut gallery."

The next function will be Sunday, Aug. 4, when the Las Vegas '51s take on the Memphis Redbirds, a farm team for the St. Louis Cardinals.

Those in attendance included Roger '75, '82 and Gezelee Keller and children; Tom '77, '78 and Maria (Kump) '77 Doering; Gary B. Sellers '59; Dana '73 and Nancy Reel; Tim Hagen '83; Darrell '68, '70, '73 and Jeannie Pepper; Larry '63 and Sheila Abernathy; Dan '65 and Kay Henry; Les '76 and Susan '86 Winfield; Jim Saavedra '88; Linda '80 and Ward Michaelsen; and Hemendra "Hemi" '67 and Asha Kalia.



Las Vegas alumni gathered together to form a new section during a St. Pat's party on March 13.



Tom Doering '77, '78, right, was elected as president, and Roger Keller '75, '82 was elected as secretary/treasurer during the founding night of the Las Vegas Section.

SME annual event held in Phoenix

More than 50 alumni, friends and staff attended the MSM-UMR reception during the SME Annual Meeting and Exhibit Feb. 26 at the Crowne Plaza Hotel in Phoenix. Lee Saperstein, dean of the School of Mines and Metallurgy at UMR, hosted the event. Many members of the Phoenix Alumni Section joined the SME attendees to wish farewell to Don and Nancy Brackhahn, as he retires as executive vice president of the association this summer.

Alumni and friends included Don Ascoli '69; the Brackhahns; Dick '51 and Jan Bullock; Blake Caldwell '50; Kent DesRocher '83; Mike Droszcz, student; Dale Elifrits '76, faculty; Cecilia Ann Elmore '86, staff; Mark Fennel '95; Tad Golosinski, faculty; Larry Grayson, faculty; Michael N. Greeley '62; Jack '50 and Denise Guth; Dick Hagni '62, faculty; William M. Hallett '55; Stan Hansen '67; Joe Hatfield '90; Joe A. Henry '52; Wayne and Carol Kanack, former faculty; Dean Kleinkopf '51; David Kolbet '86; Rachel Kuro, student; Eugene '53 and Rose Lang; Stephen Lang '79; Megan Marler, student; Mike '98 and Denise Mueller; Michael P. O'Malley '68; Kurt Oakes '85; Todd Parks '91; Bob Perry '49; Dick Phelps '68; Amy Pousson '00; Randy Reed '88; Barbara Robertson, staff; Lee and Priscilla Saperstein, dean; Bill Schlittler '77; Art Schweizer '70; Vernon '50 and Laurabel Severtson; Anita Tarantola, spouse of Bruce '51; Jack Thrower '77; Jerry Tien, faculty; James H. Van Houten '74; and Brett Wissel, student.

Coach caters to KC crowd

Head men's basketball coach Dale Martin served as the keynote speaker for the March 15 annual St. Pat's dinner for the Kansas City Section. Martin announced that the 2003 MIAA postseason basketball tournament "Blues, Barbecue and Basketball" will be held in Municipal Auditorium in Kansas City, where he hopes a number of alumni will come out to support the Miners. Martin discussed the success and challenges of the UMR basketball program as it competes in the MIAA conference. Martin also addressed a number of questions from the 23 alumni, spouses and guests in the audience.

The evening kicked off with a happy hour reception with snack foods and beverages at St. Ann's Parish Hall in Mission, Kan. The event included a catered meal that featured traditional St. Patrick's Day favorites such as corned beef and cabbage, baked fish, potatoes, green beans and pie. Door prizes were awarded to most of the attendees with leftover pies being one of the most popular prizes.

Members of the KC Section Board planned the event, including Craig Koenig '86, president; Jim Van Acker '98, vice president; and Ken Drummond '86, secretary. Koenig served as the master of ceremonies.

Those attending included Jim '98 and Carrie Van Acker; Joe '59 and Mary Reichert; Cliff '57 and Betty Tanquary; Ken '86 and Kris Drummond; Richard Ball '85 and guest; Jennifer (Harmon) '86 and Kevin Harder; Douglas '98 and Jenny Dean; Patrick Shannon '93; John Frerking '87; Craig Koenig '86; Craig '88 and Wendy Borgmeyer; Richard Herndon '56; Aaron Steigerwalt '98 and Eileen Authier; and coach Dale Martin.

Springfield Section

On Saturday, March 16, the Springfield Mo., Section participated in the 2002 Springfield St. Pat's Day Parade. Earl Burk '70 drove his 1941 Chevrolet dump truck while Earl's son, Trevor, and Kem Reed, '84 threw candy to the crowd.



UPCOMING MINER ALUMNI EVENTS

July 13, 2002

Ark-La-Tex Section Quarterly Meeting

Louisiana Downs, Shreveport, La.
Gene Rand '62, (903) 759-1661
gj5758@aol.com

July 20, 2002

Pacific Northwest Section Potluck Picnic

Fall City, Wash.
Steve Wright '68, (425) 222-7560
wrightflyers@msn.com

July 27, 2002

Chicago Section

Incoming Freshmen Send-off Picnic

Chicago, Ill.
Kerry Knott '96, (630) 513-3677
kerryknott@msm.umn.edu

July 27, 2002

Motor City Section Golf Tournament and Lunch

Plymouth, Mich.
Kristan King '96, (734) 495-9699
stewking@peoplepc.com

July 2002 TBA

St. Louis Section

Incoming Freshmen Send-off Picnic

Christina Sfreddo '94, (314) 469-8907
christina.sfreddo@jacobs.com

Aug. 4, 2002

Las Vegas Section Baseball Game

Las Vegas '51s vs. Memphis Redbirds
Tom Doering '78, (702) 459-0192
TDoering@epri.com

August TBA

Carolinas-Piedmont Section Baseball Game

Brian Tenholder '97, (704) 571-4233
bten1189@carolina_rr.com

August TBA

Lincolnland Section Summer Picnic

Decatur, Ill.
Rich Eimer '71, (217) 422-2877
cocoabean77@msn.com

August TBA

St. Louis Section Cardinals Game

Christina Sfreddo '94, (314) 469-8907
christina.sfreddo@jacobs.com

Lincolnland Section hosts St. Pat's party

More than 40 alumni and friends attended the Lincolnland Section's St. Pat's party on March 19 at the Southside Country Club in Decatur, Ill.

Those attending included Rich Berning '69; Brian Bradley '86; Darryl Brinkmann '78; Sadie Burke '98; Missy '99 and Dale '99 Carr; Nicholas Cook '01; Rich '71 and Cathy Eimer; Tom Feger '69;

Jerry Hirlinger '86; Gerry '62 and Rita Huck; Susan Hunn '97; Jerry Shurff; James '73 and Betty Hunsicker; Jason Jones '00; Dan Kerns '74; Kathy Brady; Jennifer Kramer '01; Jim '66 and Connie May; Ed '69 and Anne Midden; Eric Midden '98; Rich '64 and Sandy Mochel; Scott Moll '99; Jerry Parsons '70; David and Alice Reinke '72; Colleen Stucker '00; Will Sudduth '66; David Tepen '90; Larry Unnerstall '79; Glen '80 and Susan Vermette; Amanda Withers '99 and guest; and Paul '72 and Roberta Zimmer.



More than 40 alumni and friends joined together for the Lincolnland St. Pat's party on March 19.

MD/DC/VA Section elects new officers

The MD/DC/VA Section held its annual St. Pat's Party on March 16 at the Annapolis home of Doug '63 and Sandy Hughes. A time of informal sharing was followed by a bounteous meal and a short business meeting.

During the meeting, 2002-2004 officers were elected. Section officers for July 2002-June 2004 are president, Joe Schumer '92; vice president, Bob Scanlon '73; secretary/treasurer, Doug Hughes; and scholarship, Anne Spence '85.

John D. Cummings Jr. '74 could not attend the section St. Pat's party because he was in Rolla. He was one of the four honorary St. Pat's Knights for 2002.

A presentation on ovarian cancer — the silent killer — was presented by Ben Hankins '81, and a section gift was presented in memory of his late wife, Linda Hankins. The death of section member Carl Cotterill '40 was reported, and an update was given on the hospitalization of Lloyd Spence (husband of Anne Spence '85).

UMR students and faculty will need "host housing" in the D.C. area for the solar home team this fall. If anyone can help by opening their homes to UMR students and faculty, please contact Paul Hirtz at (573) 341-4029 or e-mail him at hirtz@umr.edu.

Attending were Leonard '43, '47 and Maribeth Larson; Ed Stigall '61; Miller Einsel '62 and Kathleen Beres; Doug '63 and Sandy Hughes; Inhi Hong '67; Charles McGrady '67; Vicki Andreae '70 and Dale Robinson; Ed '71 and Catherine '72 Henson; Bob Scanlon '73; Jim '75 and Karen Martin; Ben Hankins '81; Joe Schumer '92; Mihai Sirbu '93; and David '96 and Jodie Dajc.



Left to right: Joe Schumer, the new MD/VA/DC section president, Sandy Hughes, Mihai Sirbu '93, and Jim '75 and Karen Martin gather together during the St. Pat's party.

UPCOMING MINER ALUMNI EVENTS

Oct. 1, 2002 SPE Conference Alumni Reception

San Antonio, Texas
Marianne Ward
(573) 341-6034
mward@umr.edu

Oct. 11, 2002 Alumni Board of Directors Meeting

Alumni Office, UMR
(573) 341-4145
alumni@umr.edu

Oct. 29, 2002 Lincolnland Section Fall Dinner

Location to be announced
Jerry Parsons '70
(217) 793-3662
parsonsjd@nt.dot.state.il.us

ALUMNI SECTIONS

AIR CAPITAL

Jarrod Grant '98
2200 South Rock Road
Wichita, KS 67207
(316) 687-5801
Jarrod.Grant@Wichita.
BOEING.com

ALASKA

John Hentges '89
13501 Ebbtide Circle
Anchorage, AK 99516
(907) 345-1715

ARK-LA-TEX

Ernie Green
2609 Cuba Blvd.
Monroe, LA 71201
(318) 329-9554
profgreen@hotmail.com

BAY AREA

Kamila Cozort '85
117 Forest Hill Drive
Clayton, CA 94517
(925) 673-0437
ccoort@earthlink.net

CAROLINAS PIEDMONT

Brian Tenholder '97
5211 A Strawberry Hill Drive
Charlotte, NC 28211
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bten1189@carolina.rr.com

CENTRAL OZARKS

J. Randy Verkamp '72
18112 Highway 8
St. James, MO 65559
(573) 265-1159

CHICAGO

Kerry Knott '96
3098 Autumn Lake Drive
Aurora, IL 60504
(630) 236-9962
kerry.knott@ipaper.com

CINCINNATI/DAYTON

Millard "Skip" Dunham '85
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Cincinnati, OH 45251-4274
(513) 825-6456
msdnakd@one.net

DALLAS/FT. WORTH

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1507 Hayfield Drive
Plano, TX 75023
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GEORGIA

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HEARTLAND

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3689 Madison View Lake
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schumer@calvin.nrl.navy.mil

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Chris Kump '95
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CMKGEOE@cs.com

MID-TENNESSEE

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Franklin, TN 37064
(615) 599-1218

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Ballwin, MO 63021
(636) 256-7818
rogge@tseinc.com

MOTOR CITY

Jeffrey Seaman '00
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NORTHERN ALABAMA

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OKLAHOMA

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brownrrok@home.com

PACIFIC NORTHWEST

Steve Wright '68
35708 SE 49th St.
Fall City, WA 98024-9715
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ROCKY MOUNTAIN

Clarence Ellebracht '64
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celebracht@avaya.com

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eyasar@centrics.com

SPRINGFIELD, MO

Kem Reed '84
3919 S. Meadowbrook Ave.
Springfield, MO 65807-4491
417-886-2893

TUCSON

William M. Hallett '55
626 N. Hayden Drive
Tucson, AZ 85710-2475
(520) 722-9298

WEST TEXAS

Mike Party '78
6706 West Wind Court
Midland, TX 79707-1404
(915) 694-9787
wbog01@IBM.net

Chancellor unveils student center plans to Mid-Missouri alumni

UMR Chancellor Gary Thomas served as the keynote speaker for the Mid-Missouri UMR Alumni Association's St. Pat's celebration on March 8. Thomas updated alumni on the civil engineering and mechanical and aerospace engineering buildings, and unveiled plans for a University Center renovation. He also provided an update on campus enrollment figures and answered questions from alumni and friends. He answered several questions about increased enrollment strategies and why UMR was adding a business major to the curriculum.

Twenty-one alumni and friends attended the event held at the Ecco Lounge in Jefferson City, Mo. Kenny Voss '96 and Chris Kump '95 planned the event.

Attendees included Kenny '96 and Susan Voss; Troy Hughes '95; Chris Kump '95 and guest; Rob Murphy '87; Winnette Swanson '74; Bruce Stuart '80, '88; Breck Summerford '79; Llans Taylor '96; Danica Stovall-Taylor '98; Bob '58 and Norma Sfredo; Rick Volk '87; Jim Aslakson '86; Bruce Green '87; John '55 and Beverly Miles; Don '58 and Linda Modesitt; and Kyle Mitchell '96, 98.

Tulsa Section celebrates at Paddy's

MSM-UMR St. Pat's sweatshirts were the order of the day for Paddy's Irish Restaurant and Pub in Tulsa, Okla., where alumni and friends gathered on St. Patrick's Day, Sunday, March 17, to celebrate the holiday in Rolla style.

Those attending included Gary '73 and Regina Christopher; Jeanne Barkley '96; Charlie '64 and Laurie Campbell; Vicki Wallis '94, '95; Brian Tipton '83; Cindy '88 and Tracy Sobo; Frank '67 and Louise Wood; Tony '71 and Lecki Graham; Russell Gund '40; Crystal Tyler '96; and Mike Monterastelli '96.

www.UMR.edu/alumni

Three Venezuela sections approved by Alumni Board

On April 20, the MSM-UMR Alumni Association Board of Directors officially accepted three Venezuela sections into the UMR family of sections.

The Central, or Caracas, Section

Officers are: president, Jesus Hernandez '78; vice president, Andres Bello '81; secretary, Andres Carrisoza '79; treasurer, Juan Silva '76; student adviser, Rodriguez Carmen '79; and activities chair, Villarroel Jesus Rafael.

The Eastern Venezuela Section

Officers are: president, Raul Carvajal, '78; vice president, Lina Salinas Rincones '80; secretary, Jesus Solorzano '80; treasurer, Hipolito Delgado '78; Armando Sifontes '78; and Jesus Rivero '77.

The Western Venezuela Section

Officers are: president, Gualberto Sanchez Guara '78; vice president, Ramon V. Norono '76; secretary, Exeario Boscan '79; treasurer, Orlando Benites '79; student assistant committee, Arlines Rodrigues '79; and membership committee, Florencio Baez '77.



Front row, left to right: Dennis Schlueter, Bob Seaman, Ron Schoenbach, Ray Schaffart, Joe Dickerson, and Rebecca Steinman. Row two: Janet Callahan, George Baumgartner, Becca Seaman, Wendy Daniel, Brad Shortt, Ron Gillham, Scott Shockley, and Fred Thomas. Row three: Jacquelyne Webster, Marsha Baumgartner, Jeff Seaman, Tom Greene and Phyllis (who is not visible). Row four: Mike Casedy, John Stewart, Kristan King, Erik Ohare, and Dave Hamilton. Row five: Barry Callahan, Bill Webster, Casey Engstrom, and Ted Huff.

Motor City meeting, dinner Jan. 29

Thirty alumni and friends gathered for the MSM-UMR Motor City Section meeting and dinner Jan. 29 at Ginopolis on the Grill in Farmington Hills, Mich.

Jeff Seaman '00 and Janet Callahan '99 organized the event. Marianne Ward, coordinator of alumni relations, gave an update of the campus and showed a video of the construction of the civil engineering building, which is nearing completion.

Those attending included Bob '69 and Nancy Seaman; Ronald A. Schoenbach '70; Joe Dickerson '97 and Rebecca Steinman '96; Dennis Schlueter '70; Raymond H. Schaffart '63; Brad Shortt '94; Wendy (Jutte) Daniel '89; Ron Gillham '56; Scott Shockley '94; Fred Thomas '91; Casey '92 and Liz Wentzien; Tom '71 and Phyllis Green; David Hamilton '94; John G. Stewart '97 and Kristan King '95; Barry '99 and Janet '99 Callahan; Erik Ohare '92; William D. '69, '75, '78 and Jacquelyne '69 Webster; Jeff '00 and Rebecca Seaman; George '56, '60 and Marsha Baumgartner; and Ted Huff '86.

Career fair brings alumni back to campus

About 50 alumni attended a reception Feb. 12 prior to the UMR Spring Career Fair on Feb. 13. While the total number of companies (118) was down compared with last spring, UMR still reigned as one of the top stops for many national recruiters. The reception was sponsored by the UMR Career Opportunities Center with assistance from the alumni association.



Paul Wakeland '98 and Bryan Tilley '96 register at the alumni association check-in.

Those attending included Melanie Overholt '00; Robert Wille '80; Leon Hall '69, '71, '74; Tim Hughes '98; Katie Compisero '01; Stephen Lamitola '99; Nicolette Madison '98; Nick Mazza '98; Dan O'Neal '00; Chip Keim '01; Corey Williams '01; Brett Kunce '01; Paula Lutz '76; Jackie Kopp '01; Jeffrey S. Morris '01; Andy Hamilton '99; Jennifer Kramer '01;

Joshua Welge '99; Clayton Price '80, '85, '90; John Boschert '99; David Moore '83; Ben Steltenpohl '96; Nathalae Tillman '86; James R. Buff '86; Jason Bridges '00; Dave Naeger '80; Bryan Tilley '96; Paul Wakeland '98; Anne M. Hays '99; Dan St Clair '75; Richard L Bullock '51; Kurt Vogler '01; Laura Tobben '99; Robert W. Clark '83, '85; Robert C. Marshall '60; Nathaniel Keen '00; Brett Williams '97; Jonathan Potts '99; Dale Waldo '80; Kim Moore '99; Steve Gibbs '93; Kyle Tilly '00; Han Oh '95; Patrick Smith '96; Chris Ramsay '83; Jim Meyers '79; Anne Heltibrand '00; Jeff Klein '82; Jennifer A. Kinkead '00; Hardy Pottinger '66; Russ Rudin '97; Shawn McIntosh '00; Joe Kuss '70; Aaron Barklage '00; and Rich Hager '00.



Melanie Overholt '00, Jennifer Kramer '01 and Jackie Kopp '01 meet during the recruiters reception held prior to the 2002 Spring Career Fair.

Dancing, bagpipes and drums entertain alumni

The Pacific Northwest Section had a very good turnout for its St. Pat's celebration on Saturday, March 16, at the Rock Bottom Brewery in Bellevue, Wash. We welcomed many new faces, including two couples from Beaverton, Ore. William "Bill" Rea '39 was our oldest alumnus at this activity and several 2001 graduates were present, spanning a 62-year period of MSM-UMR's history. Food and drink were excellent. We all had a fun time catching up on news from many friends and meeting newcomers. We enjoyed great entertainment, which consisted of live dancing and music by people dressed in kilts playing bagpipes and drums. Erin Gifford '01 organized the party.

Pete Malsch '62 brought Emily Wezenberg of Lacey, Wash., our section scholarship candidate for this year. We are pleased that she plans on taking advantage of this \$5,500 per year scholarship. We welcome her to UMR and wish her well.

Our summer activity will be a potluck picnic at section president Steve '68, '70 and Susan Wright's house on Saturday, July 20, in Fall City, Wash.

We had 37 people attend this St. Pat's party, including: Steve '68, '70 and Susan Wright; Pat '62 and Kay Duval; Pete Malsch '62; Emily Wezenberg, chapter scholarship candidate; Keith Wilham '69; Bill '39 and Dorris Rea; Merle '70 and Jayne Hill; Jonathan Keller '99; Erin Gifford '01; Brian Chamberlain '01, Rob Mensching '99; Dan '86 and Kaori Crutcher and two children; Shawn Maloney '99; Ryan Rule '01, John '69 and Bonnie Featherly; Chuck Hollenbeck '61; Aaron Schrader '99 and '00; Rob '88 and Sandy McDermott Hale; Tim '90 and Kelly (Hennessey) '88 Beckerle; Scott '01 and Jennifer '00 Hanley; Bill '58 and Lu Walker; and Jim '59 and Sandie Pugh.



Irish dancers and bagpipes livened up the evening.



Bill '39 and Dorris Rea share their MSM experiences with "the younger crowd."

Rocky Mountain Section "closes down" restaurant

The Rocky Mountain Section hosted such a great St. Pat's party on March 9 that MSM-UMR alumni and friends were the last to leave the White House Farm, a restaurant on 80 acres with a waterside walk, kid's treehouse, playground and petting zoo. Everyone wore their green and recalled past St. Pat's celebrations. They also had a great time meeting and socializing with other alumni and guests. Clancy Ellebracht '64 organized the event.

Marshall Shackelford's scholarship committee announced Tom Williamson as the winner of the Alumni Section Scholarship. Several ideas were discussed for future events.

The 39 who attended the event included: Tom '89 and Jennifer Anton; Ron '84 and Sue Batzel; Hugh '52 and Ann Blevins; Christel Bemelmans '94 and Tim Kram '91; Dave Bufalo '66 and Cynthia Powers; George '75 and Elaine Carlstrom; Richard '76 and Beveleen; Clancy '64 and Sharron Ellebracht; John '66 and Linda Henry; Randy '74, Cherie, Amy and Allison Kerns; Mike Krasche '01; Darrell '96 and Gina '96 Liles; James A. Lundy '67; John '59 and Pamela Lutz; Ben '84 and Paula Mosteller '84; Timothy '76 and Cathy O'Neill; Ken '77 and Debra Ortman; Michael '73 and Brandy Steffens; and Roger '72 and Lynn Taylor.

St. Louis Section enjoys presentation about UMR

Jay Goff, dean of enrollment management, presented "The New Picture: UMR's Framework for Continued Success" during the St. Louis Section meeting Jan. 22 at the Engineers Club in St. Louis. In addition to learning more about the campus and its recruiting and retention efforts, alumni extended best wishes to Don and Nancy Brackhahn. Don retires as executive vice president of the alumni association this summer. St. Louis alumni presented the Brackhahns with a book about the history of St. Louis and a restaurant gift certificate for their years of service to the section. Dean Goff provided T-shirts as door prizes for the meeting.

Those attending included: Edwin C. Goetemann '44; Alden '41 and Eileen Hacker; Susan Pemberton '99; Kenneth Busch '72; Matt Coco '66; Phil Jozwiak '66; Holly Hawkins '00; Randy Dreiling



Randy Dreiling '81, Kelly (Jozwiak) Thomas '91 and Christina Sfreddo '94 visit about UMR's recruiting program.

'81; Kelley (Jozwiak) Thomas '91; John Sauer '79; Elif Yasar '99; Aaron Greenberg '50; Jim Mueller '78; Ralph Wolfram '50; Milt Murry '64; Sue Rothschild '74; Tom Jackson '75; Tom Schneider '75; Christina Sfreddo '94; and Hank Fischer '64.



UMR T-shirts were awarded as door prizes to St. Louis Section members.

19 20s

1929

Russell C. Miller, ChE: "Still going strong as possible at 93."

19 30s

1933

Vernon L. Asher, CE: "My family gave me a party celebrating my 90th birthday in November. Fifty-three were in attendance."

1934

William R. Power, ChE: "My B.S. in chemical engineering was the basis for 50 years of success in the petroleum refining industry. Forget not, however, that no process or product is successful without fine salesmanship."

19 40s

1941

Andreas A. Andreae, ME: "My wife, Jean, passed away Nov. 17, 2001. She left us in her sleep, quiet and peaceful. No prior health problems. We were married over 59 years. I will continue to live in Dunedin, Fla."

1942

H. Warren Buckner, ME: "Still active in water, re-elected to Helix water district. Appointed by Helix as a director of the San Diego County Water Authority, director and president of California Water Authority, Joint Powers Insurance Authority and director and president of the Water Conservation Garden Authority."

1943

Kenneth W. Vaughan, CE: "Visit old friend and roommate, **Frank Rehfeld**, MetE'43, twice a year in St. Louis."



Robert Elgin and Jim Norris viewing the remains of a runout forge on a furnace at the Old Iron Works in the early 1960s. (Photo and caption reprinted from The James Foundation in Missouri by James D. Norris).

Elgin clears the way for Meramec Spring Park

In 1946, fresh out of World War II, **Robert Elgin**, CE'37, went to work for the James Foundation in St. James, Mo. His project was to transform, renovate and develop the site of Meramec Iron Works, six miles east of St. James, into a park. The place was overrun with brush and in a sad state of neglect. "It looked as if the place had not been touched in the years since the place had been shut down," says Elgin.

From 1825-1871, Thomas James and Samuel Massey successfully operated Meramec Iron Works. It was one of the first iron production sites in Missouri. Barely visible under the brush were the remains of this booming iron community: a huge furnace, the large metal hammer used for shaping the iron blooms, a water wheel, wilderness trails, roads, dumps, ruins of buildings, a water wheel and five remaining forges.

Lucy Wortham James, Thomas James' granddaughter, provided for the development and maintenance of this park until she died in 1938.

Elgin mapped the entirety of the Meramec Iron Works (Meramec Spring Park). It has a total acreage of 1,856,

located equally in Phelps and Crawford counties. Elgin planned these areas, including walkways, footbridges, bridges, trails and other facilities for the public. By 1955, the park was fully operational. While Elgin was developing Meramec Iron Works he encouraged MSM-UMR students to visit and learn first-hand about the making of iron. A letter from Elgin about his work was published in the 1947 *Alumnus*.

When Elgin left his position as representative for the James Foundation in 1962, he went on to be the Phelps County surveyor until he retired in 2001.

"My work with the James Foundation at Meramec Iron Works was interesting," says Elgin, "especially since I worked with historical sites and park planning." Elgin has always had an appreciation for history.

He and his wife of 61 years, Caroline, have three grown children, three grandchildren, and one great grandchild. Elgin served in the U.S. Navy for 32 years. Now that Elgin is retired he enjoys spending his time at home in his wood shop refinishing antique furniture, which has always been a hobby for him.

MSPE names Voss "Outstanding Engineer in Industry"



Thomas Voss, EE'69, senior vice president for energy delivery at Ameren Corp. of Eureka, Mo., was named Outstanding Engineer in Industry by the St. Louis chapter of the Missouri Society of Professional Engineers. At Ameren, Voss is responsible for establishing the network meter reading system in the St. Louis metropolitan area, and has managed systemwide metering, forestry and dispatching for Union Electric (now known as AmerenUE). He also was instrumental in introducing outage analysis and supervisory control and data acquisition systems.

1944

Daniel T. Blount, ChE: "We celebrated our 50th wedding anniversary earlier this year by taking family and grandchildren on a Caribbean cruise. We still spend summers in Montrose, Pa., and winters in Tampa, Fla., with occasional trips west." • **Warren L. Larson**, MetE: "After living 45 years in the same house in Lexington, Mass., we have moved to Covenant Village of Cromwell, Conn., one of 15 retirement centers of the Evangelical Covenant Church. After many years, we are finally close to one of our children, David, who lives in the Hartford area. We are in a newly built patio home and actually have more room than we had in Lexington. Our address is 76 Strand Circle, Cromwell, CT 06416, phone: (860) 632-5446, e-mail: wplarson@earthlink.net" • **Thomas J. Mazzone**, ME: "My wife and I are doing fine and enjoy living in Highland Lakes Golf Community with all its fun activities. We enjoy visits with our sons' families every so often."

1949

Bettjeanne M. Puffett, GGph: "I continue to do well with my newly transplanted kidney (January 2001). I deeply grieve the passing of **Dan Miller**, GGph'49, a fellow classmate at MSM-UMR. I typed Dan's master thesis, while his wife, Esther, baby sat our son, Chris, who is now 51 and an engineer/manager at Anchorage International Airport. My husband, **Frank Birch**, MinE'52, was killed when his plane crashed in Alaska in 1971."

19 50s

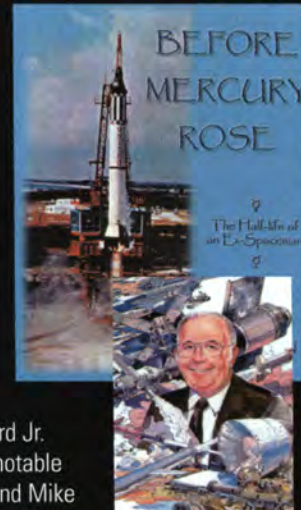
1950

Eugene A. Bartels, CE: "Celebrated our 50th wedding anniversary Aug. 12, 2001. Going to spend some time in Estes Park, Colo." • **D. Wallace Breuer**, CE: "Remaining active with volunteer work, serving on Air Force Institute of Technology Foundation board, church, golf, big yard, doing the cooking and watching grandchildren ages 16 and 11 grow up. Writing a family history." • **Avery Drake Jr.**, GGph, "Appeared in a movie, *Four Mile Run: Renovation of an Urban Stream*, that has been purchased by Public Broadcasting Service and will be shown sometime this winter. Other than that, same old emeritus stuff, mentoring young geologists and

(continued on page 38)

"Before Mercury Rose: The Half-life of an Ex-Spaceman"

From cow country to outer space, **Hulen H. Luetjen**, Phys'50, has great experiences to tell. Which is exactly what he does in his autobiography, *Before Mercury Rose: The Half-life of an Ex-Spaceman*. Luetjen began his life on an eastern Pettis County, Mo., farm. He went on to earn his degree from MSM-UMR, then started working for the St. Louis-based McDonnell Aircraft Co. This just happened to be the business chosen to build the hardware that put the first American into space in 1959. Luetjen worked closely with the original "Mercury Seven," including John H. Glenn Jr., Alan B. Shepard Jr. and Deke Slayton. He went on to work with other notable astronauts, including Neil Armstrong, Buzz Aldrin and Mike Conrad on the historic *Apollo 11* moon landing. Luetjen also worked on the first Skylab missions in the early 1970s. In 1990, Luetjen retired and went back to his Pettis County roots to write his autobiography. His book may be purchased from Inter-State Studios in Sedalia, Mo.



BACK COVER:
Artist rendition of author and the programs on which he worked.

A Novel Frontier Experience

The westward expansion beyond the Appalachians during the late 1700s was a dangerous and momentous period in our nation's history. The courageous stories of countless men and women who struggled to gain a foothold in the virgin wilderness of a new land, and the desperate struggles of Native Americans to stem the flow of westward migration, deserve to be told and retold. **Roy Hays**, EE'65, has just released *The Shawnee Menace*, the first in a series of novels portraying the valiant efforts of early American pioneers to forge a new nation.



The Shawnee Menace is an adventure tale set along the blazing frontiers of Virginia and Kentucky in the mid-1770s. Through the use of real and fictional characters, Hays recreates the violent struggles between Indians and settlers while retaining the authenticity of actual historical events. Fictional characters, representative of the many unsung heroes of the day, add storyline continuity and set the tone of tragedy and violence that pervaded everyday life on the American frontier. Historical figures such as Daniel Boone and a host of others are also involved in the story.

Hays served as a corporate executive for a science and engineering firm before retirement and has extensive writing and editing experience. *The Shawnee Menace* is an outgrowth of his passion for early American history and the conflicts facing an expanding nation. *The Shawnee Menace* is the first in a series of Hays' Kentucky Scout series.

The book is available in most bookstores or can be ordered directly online at www.booklocker.com/bookpages/shawnee.html or through Hays's Web site at www.kentucky-scout.com

reviewing manuscripts.” • **Aaron J. Greenberg**, CE: “Enjoyed the 2001 Homecoming and the tour of the civil engineering building expansion.”

1951

Gilbert L. Crowell, CE: “Marie and I celebrated our 54th anniversary on Sept. 6, 2001. Ten years of retirement have found for me that God meets all of our needs.” • **William W. Fairchild**, GGph: “Fully retired after 40 years as a palynologist. Now enjoying life in Longmont, Colo., and studying jazz piano at the University of Colorado in Boulder.”

1954

Richard C. Kolb, ME: “Eight years of full-time RV-ing since retirement and still enjoying life ‘on the road.’ Alaska is our destination for 2002. That will make all 50! Then we will start over. So much to see in the U.S. and Canada.”

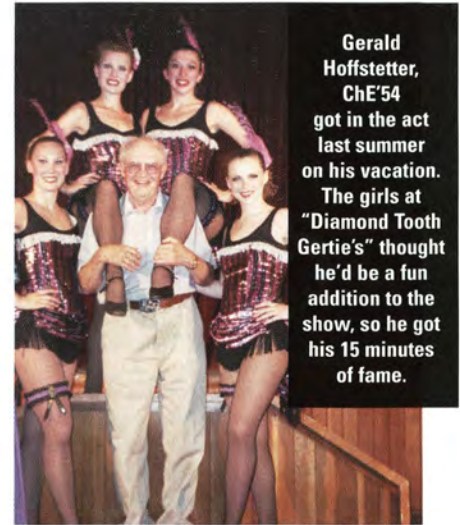
1956

Bruce R. Doe, MS GGph: “We went to the 2000 Goldschmidt Conference at Oxford University then toured Ireland, Scotland, Wales and England, followed by a special tour of Cornwall. Tony Bennett may have left his heart in San Francisco, but we left a camera in Ireland, a Gore-tex jacket in Scotland and a

library book in England. Through heroic efforts of our tour director we got the jacket back, but not the camera or library book, which had our name on both. In spite of this, the tours were very delightful and exhausting.”

1957

Fred Dietrich, EE: “I retired in April 1999 from Globalstar/Loral (formerly Ford Aerospace). My wife and I went on a Mediterranean cruise that fall from Athens to Istanbul. It was very nice. We both fell in love with the island of Santorini (Thera). The next year, we toured eastern Europe and saw a lot of interesting things. This fall we went to Alaska and cruised back to Vancouver, British Columbia. We obviously love to travel. My consulting business is still going strong. I bought a lot of new test equipment last year. We have 9 1/2 grandchildren now, so we keep busy with them and our four daughters and sons-in-law. Two are in the military, so we fear for them with the activities going on now. Life in Palo Alto is as good as ever, lovely weather, few earthquakes and good friends. We are very happy. Married 40 years this year, hopefully many more to come.”



Gerald Hoffstetter, ChE'54 got in the act last summer on his vacation. The girls at “Diamond Tooth Gertie’s” thought he’d be a fun addition to the show, so he got his 15 minutes of fame.

1958

Eva B. Kisvarsanyi, GGph, MS GGph'60, writes the monthly newsletter *The Messenger* for the Kossuth Club, a non-profit cultural and education society. • **Bob Sfredo**, CE: “Enjoying retirement!”

1959

Meril B. Fritchey, ChE: “Retired for 6 years. Traveled by motor home a lot until my wife passed away in August 2001.”

— SCENES FROM —

PHOTOS BY BOB PHELAN/PHOTOMASTERS



1960s

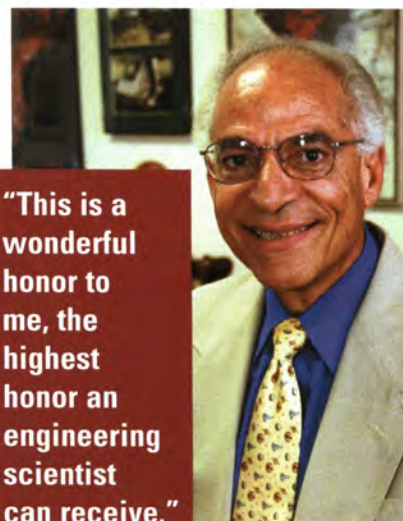
1960

Gerald B. Allen, ChE: "Our son, Mike, has moved to Atlanta, Ga., from San Carlos, Calif., with Ross Systems Inc. Our daughter, Jennifer Hauser, is with Wolfram in Urbana, Ill. Her husband, Chris, will complete his master's degree in biochemistry and plant biology at the University of Illinois in spring 2002." • **Danny E. Davidson**, CE, retired from the Missouri Department of Transportation and is working as a substitute teacher. • **Walter H. Dickens**, CE: "Betty and I celebrated our 50th wedding anniversary on Sept. 15, 2001. Many friends and classmates visited with us. Please stop by our home at 11988 Hwy MM, Dixon, Mo., if you were unable to attend." • **B. Douglas Munsell**, CE: "Retired from Boeing after 35 years. Working for Bausch & Lomb. Have two children. Bernadette entered Poor Clare Monastery in Belleville, Ill. Now she is sister Mary Clare of the Immaculate Conception. Joe walked all the way across the country this summer with 'Crossroads For Pro-Life.' We're expecting our 19th and 20th grandchildren."

1961

Eugene D. Brenning, CE: "I was re-elected as the mayor of Divernon, Ill., for a second term in April 2001. This will be my last term. Eight years as mayor is enough for me." • **Farouk El-Baz**, GGph, PhD GGph'64, was awarded the American Muslim Achievement Award from the Islamic Center of Southern California in January. El-Baz, professor and director of Boston University's Center for Remote Sensing, was honored for his outstanding contributions to science and the community. He also received a companion award from the Los Angeles County Sheriff's Department. • **John F. Merritt**, CE: "Engineer in training with Missouri State Highway Department, worked for all terminal RR in St. Louis. Retired from U.S. Army Corps of Engineers in March 1996, after more than 36 years of federal service as project manager. Notable projects included project manager for flood-control projects at Hannibal, Mo., Bettendorf, Iowa, Cedar Falls, Iowa, Ottawa, Ill., and numerous projects at Red Rock & Saylorville Reservoirs in Iowa and survival projects in the Des Moines, Iowa, area." • **Robert M. Saxer**, CE, MS CE'62: "We have started a new company for the production of liquid resins, see www.RHE-AMERICA.com."

(continued on page 40)



"This is a wonderful honor to me, the highest honor an engineering scientist can receive."

El-Baz elected to National Academy of Engineering

Farouk El-Baz, MS GGph'61, recently was elected into the National Academy of Engineering (NAE), the most prestigious and exclusive engineering academy in the nation. NAE is a private non-profit organization, established in 1863, that provides engineering leadership in service to the nation.

Membership in the academy honors engineers and other professionals who have made "important contributions to engineering theory and practice" or "unusual accomplishments in the pioneering of new and developing fields of technology."

El-Baz, director of the Center for Remote Sensing at Boston University, was chosen because of his selections of the landing sites for the Apollo missions, and for pioneering methods of discovering subsurface freshwater from space observations.

"This is a wonderful honor to me, the highest honor an engineering scientist can receive," says El-Baz.

Other alumni in the NAE are David E. Crow, ME'66, PhD ME'72; Sidney J. Green, ME'59; Gene H. Haertling, CE'54; Robert Hansen, EE'49; and George E. Mueller, EE'39, George Stegemeier, PE'52; and Richard Stegemeier, PE'50.

St. Pat's 2002



"OUTSTANDING ENGINEER AND SCIENTIST"

William C. Kruckemeyer, ME'70, staff engineer at Delphi Energy & Chassis Systems in Dayton, Ohio, was honored as one of the 2002 winners of the "Outstanding Engineer and Scientist Award" on Feb. 21.

This award recognizes individuals who achieve outstanding accomplishment in the areas of engineering, design and development; research; technical leadership; manufacturing, production and control; and education. Kruckemeyer's award is for engineering, design and development.

Kruckemeyer has worked at Delphi for more than 25 years. He has received 26 U.S. patents and has approximately 40 patent applications pending. He helped develop Delphi's manual selectable ride and bi-state real time controlled monotube dampers.

Kruckemeyer is a member of the Society of Automotive Engineers, where his focus has been on student projects. He has been instrumental in the SAE-Mini-Baja, where students design, build and race vehicles in off-road competition, and has served twice as event chair and chief safety judge.

N.M. • **John Neagle**, ME, left, retired from



the engineering department of Empire District Electric Co. after 34 years of service. He joined the Empire team in 1967 as a junior engineer. • **Gary F. Sievert**, ME: "I have recently been appointed to a new position within

Hydrochem. I am director of technology and innovation." • **Russell J. Warchola**, GGph: "I visited Rolla this summer, returning for the first time in 34 years. What a difference! I am selling commercial real estate and doing occasional geologic consulting. Trying to stay close to home and enjoy my 15-year-old son, whom I brought to Rolla to see the campus."

1968

Forrest W. Breyfogle III, ME, is president of Smarter Solutions Inc., a company he founded in 1992 after a 24-year career with IBM. Smarter Solutions helps large and small companies implement Six Sigma

business improvement strategies. Breyfogle's most recent book, *Wisdom on the Green: Smarter Six Sigma Solutions*, is a novel describing the benefits of integrating Six Sigma with other business improvement strategies.

More information is available at www.smartersolutions.com. • **Bobby T. Cox**, MetE: "Sandy and I completed moving Acorn Stamping into a new larger facility in May 2001, almost doubling our production area. My partner and brother, **Rick**, ME'69, has started a new venture in the same facility which we are supplying parts for. (Keep it in the family!) Speaking of family, Sandy and I have all three children married, out of college and out of the house. However, with the new business ventures, can't say we are looking forward to retiring any time soon. Having too much fun! My e-mail address is bobbycox@acornstamping.com." • **Frank L. Grabski**, CE, recently retired from the Federal Highway Administration after 33 years.



1962

Richard A. Hopper, CE, retired from Boeing in 1999 and now is doing contract engineering work at Sino Swearingen in San Antonio, Texas. • **Milton L. Leet**, MinE: "After working 15 years for Bethlehem Steel, three years for General Electric and 19 years for the U.S. Government, I retired in mid-1999. Since then, my wife, Gerry, and I have been traveling from our home in Louisville, Ky., to see family in Ohio, North Carolina and Pennsylvania. Other travels have taken us to the Swiss Alps and western states. I still enjoy singing and mineral collecting. Golf is a game we both enjoy. Retirement is great!"

• **Aaron M. Reuck**, CE: "Karel and I retired on the same day in May 2001. We now spend 75 percent of our time at Bennett Springs in Lebanon, Mo., teaching fly tying and trout fishing." • **Thomas L. Scott**, ChE, retired from Henkel Corp. in Cincinnati, Ohio, in 1998. He is now living in Greenwood, Ark.

1963

Narendra M. Naiknimbalkar, GGph: "Magdalena and I were in Munich, Germany, to see our daughter, son-in-law and granddaughters for one month in October 2001." • **Shafique Naiyer**, CE: "I am doing a lot of exciting and challenging projects for the city of Baldwin Park this year: \$2 million teen center and skate park, \$1.75 million storm drain and plan to rehabilitate more than 60 miles of city streets."

1964

Fredrick D. Lehman III, CE: "We moved from Atlanta, Ga., to Indian Rock Beach, Fla., last year. Our retirement place."

1965

Eugene H. Faenger, CE, "Best wishes in 2002." • **Alfred J. Thiede**, CE: "Chris and I began the new millennium with my stepping down as the chief administrative officer at Luster and beginning semi-retirement. I'm still working part time on special property. Took the Thiede Tribe (29 of us) on an Alaska Cruise, departing Seattle on Mother's Day 2001. We had a fabulous time and we're doing it again in 2002."

1966

Michael J. Brynac, CE: "I was recently installed as president of the St. Louis section of American Society of Civil Engineers. I hope all faculty and students are members. This is THE organization of CEs."

1967

Arthur C. Falkler, GGph, retired after 33 years with Phillips Petroleum. He is currently planning a new home in Silver City,

W H A T ' S N E W W I T H Y O U ?

Send us your alumni notes via:

E-MAIL: alumni@umr.edu
 FAX: MSM-UMR Alumni Association, (978) 926-7986
 MAIL: MSM-UMR Alumni Association, University of Missouri-Rolla, Castleman Hall, 1870 Miner Circle, Rolla, MO 65409-0650

1969

Charles W. Foster, CE, MS CE'70: "Working as general engineer at U.S. Army Military District of Washington in D.C. Involved with response for Pentagon plane crash, a tragic event that affected so many. E-mail me at fosterchu@fmmc.army.mil. Anticipate visiting Rolla and campus in next couple of years. Lots of changes since 1971."

1970s

1970

John E. Branham, CE: "Currently serving a three-year term on the AGC of Missouri board of directors and on the funding board of directors of the Tri-State Area Contractors Association." • **Harold E. Chenoweth**, ChE: "My wife and I just celebrated our 30th anniversary, and with our youngest turning 21, we are looking forward to empty nesting." • **Max M. Ethridge**, CE, was recently appointed central region geographer with the U.S. Geological Survey. He now oversees the Mid-Continent Mapping Center in Rolla, the Rocky Mountain Mapping Center in Denver, Colo., and the EROS Data Center in Sioux Falls, S.D. • **Robert J. McKee**, CE: "Effective July 30, 2001, I made a career change to the firm of Olmsted & Perry Consulting Engineers Inc."

1971

Charles Feldman, CE: "My wife, Sheryl, and I have been blessed with the arrival of our first grandchild, Madison Haley Pines. If I had known how easy it would be, we would have had grandchildren first!" • **Jan M. Pottinger**, ME: "I accepted a position with Carrier Corp. in McMinnville, Tenn., in November 2000. Linda and I moved into our new home in June 2001. We are enjoying being back in the south again. We would enjoy hearing from our UMR friends at jmpottinger@technologist.com."

1972

Elmer K. Schneider, ME, was named vice president of engineering, environmental and safety for the Sara Lee Bakery Group in St. Louis.

1973

David N. Motherwell, CE: "Was elected president of the St. Louis Writers Guild. Membership of this 80-year-old organization has gone from 60 to 85 members since I was elected."

(continued on page 42)

Future Miners

Anica Addison, ChE'97, and her husband, Aaron, had a girl, Aslee, on March 28, 2001.

John Conrad, CerE'91, MS CerE'93, and his wife, Susan, had a boy, Blake Andrew, on Aug. 23, 2001. He joins his 2-year-old sister, Bailey.

Melissa Corkill, CE'91, and her husband, Kent, had a boy, Grant, on Jan. 16, 2001.

Tony Estopare, ME'87, and his wife, **Nora (Tochtrop)**, ChE'88, had a boy, Anthony John II, on Oct. 29, 2001. Anthony joins his older sisters, Nicole and Megan.

Michelle (Tucker) Frisbee, Psyc'97, and her husband, Eric, had a girl, Jessica Alison, on March 4, 2002.

Owen Hunn, CE'99, and his wife, Ashley, had a boy, Caleb James, on Nov. 12, 2000.

Charles S. Klump, ME'86, and his wife, **Liesa**, EMgt'86, had a girl, Mary Margaret, on April 21, 2001. She joins Megan, 13, Samantha, 11, Neil, 9, and Lauren, 4.

Michael Shannon Lambert, CE'90, and his wife, Tammy, had a boy, Samuel Robert, on Nov. 12, 2001. He joins big sister, Lauren.

Aaron Laws, AE'94, and his wife, Jean, had a girl, Aimee, on June 24, 2000. She joins big brother, Jacob, 4.

Brian Legrand, CE'94, and his wife, Jill, had a boy, Joseph Paul, on Aug. 31, 2001.



Dylan and Madison Tomlinson



Jessica Alison Frisbee



Jane Marie Thompson



Samuel Robert Lambert

Jenifer Menz, ME'93, and her husband, Steve, had a girl, Kelly Ann, on Aug. 27, 2001. She joins her big brother, Tucker, 3.

Brian O'Neill, Mine'95, and his wife, **Angela**, EMgt'94, had a boy, Gavin Brian, on Sept. 21, 2001.

Jerald A. Smith, MetE'89, and his wife, **Julie**, EE'90, had a girl, Mary Charlotte, on April 11, 2001. She joins big brother Jason, 3.

Michael Stevinson, MinE'99, and his wife, **Heather (Nations)**, BioS'99, had a boy, Joseph James, on Oct. 2, 2001.

Matt Thompson, ME'92, and his wife, **Sarah (Conyers)**, CE'93, had a girl, Jane Marie, on April 13, 2001.

Gary Tomlinson, MinE'98, and his wife, Stephanie, had a boy, Dylan Chase, on June 12, 2001. He joins big sister, Madison.

Robert J. Varadin, ChE'97, and his wife, **Mary**, CE'96, had a girl, Grace Elizabeth, in May 2001.

Raymond Webb, CE'89, had a girl, Ashlynn Kate, on April 26, 2001. She joins her older siblings, Mason, 4 1/2, and Logan, 2 1/2.

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.

Accent on the Archives

UMR'S MILITARY HISTORY

By Melody Lloyd, assistant archivist (mlloyd@umr.edu)

The Students' Army Training Corps was introduced into MSM on Oct. 1, 1918. This instituted a special program of military studies and intense military drills. Fraternity houses were closed as students took up residence in Mechanical Hall, the official "barracks" for the SATC. Meals were served at the Army Mess Hall, built west of Jackling Gymnasium. Study was done under "supervised conditions." But due to student and faculty dissatisfaction with the program, coupled with the signing of the armistice to end World War I on Nov. 11, 1918, the SATC was officially demobilized on Nov. 30 of that year. MSM students did their bit by making themselves available to their country for service if needed.

The UMR Archives is very fortunate to have two bound volumes of Military Records of Students, Faculty and Alumni in The World War. Austin Lee McRae, MSM's director from 1915-1920, sent service forms to all Miners in the service prior to publishing the 1919 "Victory Edition" of the *Rollamo*. Respondents provided information such as service branch, date entered, service in this country, service overseas, promotions and honors, and discharge data. In some cases a narrative was included referring to war experiences or comments on time at MSM. One student returned a two-page letter commenting on "actual statistics of Rolla's work in the war. It is no more than can be expected of an institution that has always been a man's school and stood for high ideals. Everyone familiar with the school knew how practically the entire school jumped into the war." He goes on to make a suggestion that school officials put an ad in the *Stars and Stripes* newspaper to generate interest in MSM as men return to civilian life. The "Victory Edition" of the 1919 *Rollamo* was dedicated "To Our Men in the Service" and included information from these returned service forms on each MSM student, faculty or alumni service member.

PHOTO COURTESY OF UMR ARCHIVES



MSM's Student Army Training Corps.

1974

Vance N. Havens, AE: "I have taken an assignment of 12-18 months in Germany to complete the wiring contract for the Dornier 728 regional jet. Yet another new challenge to live in Europe and to work this new part of the aircraft. Family joined me in January. We love visitors." • **Michael J. Miller**, AE: "Col. Michael J. (Boots) Miller is vice commander of Lackland Air Force Base in San Antonio, Texas, the largest and most mission-diverse in the U.S. Air Force. Contact can be made via e-mail: boots.miller@lackland.AF.MIL." • **Darryl W. Muck**, ChE: "Relocated to Corporate Eastman. Elizabeth is 13 now and wondering who all those guys were we mentioned from back in the early '70s. My e-mail is dwmuck@eastman.com."

operations manager for the Milan, Mo., plant." • **Christine M. Lytle**, CE: "After 16 years with the city of Colorado Springs (Colo.), I have moved to the State Division of Water Resources. Patrick and I celebrated our 20th anniversary and are looking forward to a new home in Pueblo, Colo." • **Thomas J. Mittler**, CE: "Enjoying two grandsons, Andrew and Timothy; proud to be accepted as an Olympic Torch bearer." • **Rick Voytas**,



ME, left, was named manager of corporate analysis in St. Louis-based Ameren Corp.'s corporate planning function. Voytas manages long-term resource planning for the company.

1975

Joseph B. Adrian, Econ: "After assisting Con Agra Frozen Plants with yield and throughput projects I had a change in career to

1976

Ronald D. Klouzek, CE: "My daughter, Ana, graduated in December 2000 with a B.S. in civil and environmental engineering from the University of Missouri-Columbia and works for Burns & McDonnell in Kansas City, Mo."

1977

Bruce H. Allen, MinE: "I accepted the position of operations plant manager of United States Gypsum's Plaster City plant as of June 1, 2001, at the Plaster City, Calif., location. Son, Bryan, is a sophomore studying electrical engineering at Michigan Tech University. Daughter, Melissa, is a sophomore at Granite Hills High School in El Cajon, Calif. Son, Craig, is in the eighth grade at Joan Mae Queen Junior High School in Alpine, Calif. Wife, Kathy, has a busy schedule taking care of the children and pets. All are enjoying the milder climate of southern California after living in Nova Scotia, Canada, for the last five years."

• **Sandra K. (Turnbough) Marx**, ChE, and **Mike**, EE'77, both work for British Petroleum Co. and live in Naperville, Ill., a suburb of Chicago. They have two children, Jason, 18, and Stephanie, 12. • **Joy M. Thompson**, GGph: "I work part time as an instructor at dog obedience classes and dog agility classes. My dog, Molly, and I compete in dog-agility trials on weekends. **Dave**, GGph'76, builds our equipment."

1978

Keith T. Duncan, Hist, received his second Navy and Marine Corps Commendation Medal, while assigned to Naval Reserve Afloat Training Group Pacific, Naval and Marine Corps Reserve Center in Alameda, Calif. He is currently assigned to U.S. Transportation Command at Scott Air Force Base, Ill. • **Russell L. Goldammer**, CE: "After two years in the Milwaukee, Wis., area, we have moved back to St. Louis." • **Thomas R. Gredell**, CE: "On January 1, 2001, I started my own environmental consulting firm. Still going after one year! E-mail me at trgredell@aol.com." • **Steven R. Lewis**, MinE: "On Oct. 1, 2001, I assumed the position of general manager of mining operations with Delta Companies Inc. in Cape Girardeau, Mo. I have overall responsibility for five aggregate mining and processing operations in Missouri and Illinois."

1979

Barbara E. Busby, MinE, was named vice president of sales for Peabody Energy. She is responsible for steam coal sales and marketing in eastern U.S. markets. Busby joined the company in 1979 as a project engineer in Illinois.

1980s

1980

John C. Hesse, ChE, joined Mustang Engineering Inc. in November 2001 as a senior facilities engineer. • **Clayton E. Price**, GGph: "Life on the farm is terrific. Computer science is keeping me very busy with a very enjoyable job."

1981

Charles K. Cothorn, CE, and his wife, **Amy**, EE'81, live in Colorado Springs, Colo., with their two sons, Justin, 13, and Keagen, 11. Charles recently received a patent for a trailer hitch-mounted load-carrying pivot rack. •

Michelle C. Fleck, GGph, was awarded a doctorate in education from the University of Wyoming in May. • **Joe Howell**, ME, is working for Fermi National Accelerator Lab, designing equipment for experiments. His wife, **Lea Anne**, ME'81, is a full-time mom. Daughter, **Katie**, is in fourth grade and son, **David**, is in first grade, special education. • **James D. Standfast**, Econ: "I am self-employed as a financial consultant doing pensions, retirements, SIMPLIES, plus stock broker activities — stocks, bonds, etc."

1982

Ernest J. Jones Jr., EMgt: "In Huntsville, Ala., and enjoying life. Have built a new house and settled into life in the south." • **Thomas Mesko**, GGph: "A great year — two new grandkids this fiscal year, **Carlie** Christine was born in February and **Hunter Marie** was born in April. Both keep grandson, **Hayden Michael**, busy as a big brother and cousin. Also, daughter, **Sonya**, opened a business in Rolla. Son, **Brice**, is now a sergeant with the Mexico, Mo., police department. Daughter, **Molly**, is pre-med at U.K. Busy year!" • **Maureen E. Midgley**, ChE: "**Steve**, EMgt'82, and I now live in Poland, Ohio, with our three daughters, **Ellen**, 14, **Shannon**, 9, and **Jamison**, 4. Our girls' activities are our lives and then we golf a little."

1983

Nicholas R. Simpson, EE: "Living in Colorado, outside of Boulder. Working in cell phone design group for Kyocera Wireless (previously Qualcomm). Married with three boys, ages 8, 10 and 14."

1984


Tony R. Gaines, EMgt, has joined EM Microelectronic-US Inc. in Colorado Springs, Colo., as a regional sales manager. In his new role, Gaines will be in charge of developing new business and managing sales representatives, manufacturing representatives and distributors in a territory that covers much of the United States. • **Douglas Kuchem**, AE: "Currently I am the LM Aero program manager for the Air Force Research Laboratory-sponsored Versatile Affordable Advanced Turbine Engine (VAATE) program. Through this program we are studying and defining engines of future aircraft. It is very challenging and interesting." • **Frank E. Relja**, CE: "Our thoughts and prayers are with the families whose lives have been drastically changed by the events of Sept. 11, 2001. GOD BLESS AMERICA! From the Relja family: **Frank**, **Shelly**, **Garrett**, **Lauren** and **Whitney**."

(continued on page 44)

Alumni Kids and Grandkids come to UMR and SAVE 

Your college-bound child or grandchild could save some significant money by coming to UMR. Accepted students who qualify receive a \$5,500 Alumni Sons and Daughters grant.

THE REQUIREMENTS:

1. Student must be enrolled full time.
2. Parent or grandparent must be a holder of an earned degree from MSM-UMR.
3. Student must have an ACT score of at least 24 and be in the top 25 percent of his/her high school graduating class.
4. Transfer students must have a 3.2 grade point average (on 4.0 scale); and must have completed 30 hours toward a degree.
5. Student must apply prior to June 15 of the year student plans to enroll. 
6. Renewal of the grant, which is limited to four years per recipient, is available to any student receiving the grant who holds a grade point average of 2.75 or above.

For an application or for more information on this grant program, please contact the UMR admissions office at 1-800-522-0938 or through e-mail at UMRolla@umr.edu.

Please Note:

This scholarship will supercede any other non-resident scholarship.

1985

Nancy Nethington, GGph: "Dennis, GGph'82, MS GGph'85, and I survived our first vacation with all four children. We went to see the Rockies in six days in an enclosed van. Thank heaven for Game Boys!" • **David**



W. Osborne, PhD Chem'85, left, has been awarded the Outstanding Young Alumni Award from Southwest Missouri State University. • **James N. Pyatt**, CE, MS CE'87: "I joined

Jacobi Geotechnical Engineering Inc. in O'Fallon, Mo., as partner/principal in October 2001."

• **Dennis A. Roberts**, ME: "**Karen (Wiseman)**, CSci'86, and I have three kids: Tyler, 6, Shannon, 4, and Jeremy, 1. They keep us quite busy." • **Michael T. Steiniger**, CE: "Becky and I have a full house of five boys — Matt, Andrew, Mark, Daniel and Timothy. I look forward to early retirement from the grading business with Kuesel Excavating."

1986

Steven Bauer, AE: "I am the AIAA National Engineer of the Year for 2001." • **Steven K. Boning**, CE, "I have been with Fribis Engineering Inc. for the past 11 years and became a partner with the firm in October

ATTENTION SHUTTERBUGS

We'll be glad to print photos taken at Section events or submitted with your Alumni Note or Future Miner announcement — just send them in! They need to be good quality, clear pictures.

If sending digital files via e-mail, the images need to be 240 to 300 dpi.



Please identify the people in the picture. If you send in several, we'll pick the best for publication.

Unless requested, submitted photos will not be returned.

2001. My wife, Valerie, and I spend most of our free time traveling around the Midwest watching our sons Erik, 11, and Matthew, 8, play ice hockey." • **David M. Easty**, EMgt: "I have been Battalion Surgeon for 3rd BN, 7th Special Forces Group for the last year and a half. Lots of travel. Hope to start emergency-medicine specialty training this summer." • **Mark Freund**, GGph: "Currently, I am a remote sensing/GIS consultant for the mining, oil, gas and utilities companies. I'm also the GIS administrator for the Mammoth Area Geographic Information Center which is a consortium between water district, town of Mammoth Lakes, county and forest service." • **Frank R. Kuntz**, EMgt: "Cathy and I are in good shape and looking forward to retirement in 64 months." • **Kathie Rupert-Wayne**, GGph: "Continue to work with Ottawa University and their online degree programs. Our daughter, Staci, is a senior in high school and our son, Tyler, is in seventh grade."

1987

Jon Schneider, AE: "Robin, Sarah, Kevin, Tylerdog and I are well here in Ballwin, Mo. This year I transitioned from managing a production weapon product line at Boeing to managing the development of a new weapon concept to be used by the Marine Corps. My e-mail address is Jon.C.Schneider@Boeing.com."

1988

Chris Hardy, MinE: "My business is now in its eighth year of operation. Our annual sales vary between \$1 million and \$2 million per year. I live in Omro, Wis., on the Fox River (located in northeast Wisconsin about an hour from Green Bay). Friends can reach me by e-mail at hgti@northnet.net. Go Packers!" • **Roger W. Tyree**, EE, MS EE'91: "I am still working as a project engineer for Meramec Group Inc. and completed my ninth year there in January 2002. In July 1999, I married Rachel Bartel from Owensville, Mo. She has a music degree from St. Louis Christian College. We had our first child this past July. His name is Michael Wayne Tyree and he is doing great."

1989

James A. Lawson, NucE: "All is well here!" • **Todd S. Miner**, ChE: "The Miner family continues to enjoy living in Richmond, Va.!" • **Jerald A. Smith**, MetE: "I've recently been promoted to director of quality for Ryerson Tull." • **David A. Wyrick**, EMgt: "The ASME student section at the University of Minnesota-Duluth won the 2001 ASME International Student Design Contest in New York City! I am the student section advisor."

1990s

1990

James Frerking, EMgt: "After spending time in St. Louis and Omaha, Neb., I am now living in Naperville, Ill., and working in Schaumburg, Ill., as a commercial sales manager with Liberty Mutual Insurance. I have worked for Liberty Mutual in several different capacities since graduation. My wife, Karen, and I married in 1997. Last year, we had our first child, Robert James (R.J.). Hello to so many of you that I have not seen for quite some time. Hope all is well." • **Gary Hatfield**, MinE: "I have been promoted to director of purchasing at Peabody. Good news in the coal industry, with rising prices and interest in low-cost energy. After being at Peabody Energy for 32 years, including co-op at UMR, we have survived lean times and now really are starting to prosper." • **Michael Shannon Lambert**, CE: "I am a project engineer for Black & Veatch Corp. My wife, Tammy, and I are living in Nashville, Tenn., with our two children, Lauren and Samuel." • **Richard K. Suter**, CE: "I moved from south Florida to Raleigh, N.C., in January 2000, after completing a master's in information systems. I am now presently employed by IBM as a project manager."

1991

Mary F. Becher, MetE: "I am enjoying parenthood — just gave birth to our fifth child (three boys and two girls). **Mike**, ME'90, is working at Frito Lay and our family is staying active in Topeka, Kan." • **Melissa Corkill**, CE: "I work for Camp-Dresser & McKee in Kansas City, Mo." • **Jane D. Elbert**, ChE: "I was promoted to operations supervisor at my plant in January 2001. I am still working for BP (formerly Amoco) in the Houston area." • **Thomas Francis Hughes**, EMgt: "**Sue**, EE'93, and I are enjoying mid-Missouri. Our three children, Jake, 4, Liz, 2, and Josh, 1, are keeping us busy." • **Damon Sagehorn**, GGph: "I have two daughters, Megan, 4, and Shannon, 3. My fraternity is just finishing a major remodeling. Business is great."

1992

John E. Goethe, AE, passed the PE exam in Kansas in October 2000.

1993

Timothy C. Biggs, GGph: "Have been working for Maxim Technologies (now a part of Tetra Tech) in St. Louis for five years. Working on sites in Niagara Falls, N.Y., and Columbus, Ohio. Good fishing and site seeing in Niagara Falls." • **Diane K. Faulkner**, ChE:

"Completed my MBA from University of Houston this spring and began work as an energy consultant with Purvin & Gertz in Houston." • **David M. Heikkinen**, ME, "All is well in New Orleans. I was recently promoted to vice president and senior equity analyst. My wife, Ann, graduated from medical school in May 2002 and will pursue a family medicine residency." • **Robert J. Schaffer**, CE: "Married Rita Elaine Schaffer, who works in the accounting department at Bax Engineering. One lovely toy poodle named Lily, and one lovely cat named Gabby."

1994

Christopher D. Alverson, GeoE, joined the Larkin Group as an engineer with the environmental group. He is experienced with water and wastewater projects. • **Stephen T. Hunnius**, ChE: "I currently work for the office of the general counsel for the Navy as a patent attorney. While Washington, D.C., offers a large variety of livin', my passion has been triathlons. Cheers." • **Aaron Laws**, AE, is still employed by Boeing and recently moved from commercial to military. • **Brian Legrand**, CE, is currently a civil engineer with U.S. Department of Agriculture working in Jackson, Mo., and has recently started his own surveying company.

1995

Kelly R. Goodman, CE: "I passed my PE in April 2001. I am a registered professional engineer in the state of Kansas." • **Zhenhao He**, GGph, MS CSci'96: "In 2000, I moved from Palatine to Lisle, Ill. Most of the time, I am very busy working and spending time with my daughter. Still, I am trying to start a new hobby — golfing." • **Gary W. Hines**, CE, was recently promoted to district manager with Williams. He planned to move to Kansas in early 2002. • **Mitzi L. McIntyre**, CE: "Registered as a professional engineer in Minnesota. Currently the executive director for the Utah chapter of the American Concrete Pavement Association (ACPA)."

1996

Edwin C. Kuntz, CE: "Recently passed PE exam." • **Greg J. Kutz**, ME, has joined Paric Corp. as project engineer. In his new position, Kutz will assist project managers with estimating, scheduling and project management. • **Mary G. Varadin**, CE: "I recently received my PE here in Arizona. My husband, **Bob**, ChE'97, is working for ST Microelectronics as a process engineer and attending graduate school at Arizona State University in the evenings."

1997

Aaron Harrison, CE, has been promoted to design engineer for Horner & Shifrin. He is experienced in civil design related to site development for commercial, industrial and residential developments and transportation. • **Joel S. Mikelionis**, ChE: "I'm still working on the road with Universal Oil Products (UOP). In 2001, I started out in Mexico, then moved on to Turkey and now am in China. I'm not sure where the next assignment will take me." • **Robert J. Varadin**, ChE: "Working for ST Microelectronics as a process engineer and attending graduate school at Arizona State University in the evenings. My wife, **Mary**, CE'96, received her PE here in Arizona." • **Stacey L. Waggoner**, GGph: "I am currently working for Phillips Petroleum Co. in the Houston office. I spent the winter of 2000/2001 in the Anchorage office and was sent back to Houston just in time for summer. I think I did that backwards!"

1998

Robert Welsch, CE, has been promoted to design engineer at Horner & Shifrin. He is a civil engineer with expertise in environmental and sanitary engineering.

1999

Sara Kaps, GGph: "Just enjoying sunny California, although Bakersfield can be miserably hot and the oil fields keep us logging engineers pretty busy. I'd love to hear from anyone, just drop me an e-mail at sara-kaps@hotmail.com."

2000s

2000

Valencia Jordan, ChE, received her commission as a naval officer in September 2001 after completing Officer Candidate School at Naval Aviation Schools Command, Naval Air Station, Pensacola, Fla. During the 13-week training program, Jordan received extensive instruction on a variety of specialized subjects including navigation, ship handling, engineering, naval warfare and management. • **Nicholas Rocco**, CE, is attending University of California-Davis and expects to complete a master's degree in civil engineering in December 2002.

Did you know...

about

summer camps, short courses and distance education?

UMR offers a variety of alternative education opportunities for pre-college through professional students. You can visit www.umar.edu/~conted/ to learn about many of these opportunities. Some examples include:

SUMMER CAMPS for high school students serve as a great way to learn more about UMR and about careers in engineering, science and the liberal arts. **INTRODUCTION TO ENGINEERING** is designed for the summer after the junior year, and explores the many facets of engineering. **DISCOVER THE CONNECTION** introduces high school sophomores, juniors and seniors to the various disciplines in the College of Arts & Sciences through a mystery they must solve. The **MINORITY INTRODUCTION TO ENGINEERING** and the **JACKLING INSTITUTE** are two other summer programs for high school students that introduce them to exciting careers in engineering.

SHORT COURSES are offered on campus and around the country. Courses such as "Grounding & Shielding Electronic Systems/Printed Circuit Board Design" and "Heating, Ventilating, and Air-Conditioning Systems: Sizing and Design" are available to alumni for continuing education credit. Alumni may also visit campus to attend courses like "Geomatics" or "Blaster's Training," or may choose to take courses such as "EMC Principles" or "High-Speed Digital Design" at their own pace through video courses ordered from campus.

Other programs are available, both for-credit and non-credit, through various UMR departments. We'll tell you more about those in future issues, or feel free to explore the UMR Web site at www.umar.edu to check out what's available in your area of interest.

1930



George F. Heath, CE, was owner and CEO of George F. Heath Co., Continental Pump Co., Lancer Equipment Co., Heartland Co., House of Heath Inc., Vari-Master Inc. and Fremont Investments Inc., all of St. Louis. He was

also the owner of House of Heath Inc., a gift shop in New Orleans. Heath also owned Hickory Heath Ranch in Warrenton, Mo., where he raised purebred, registered Polled Herefords, Hampshire hogs and horses. In 1936, he received a law degree from the former Benton College of Law in St. Louis. †Jan. 6, 2002

1937



Buran W. Brown, CE, †July 19, 2001

Albert L. Muller, EE, †UMR notified of death Dec. 31, 2001

1939



Charles W. Morris, ME, was a member of the Radio Club, ASME, Glider Club and Independents while attending MSM. †Nov. 30, 2001



Carl F. Von Wehrden, ME, served on the Miner board and was a member of Kappa Sigma, Student Council, ASME and Interfraternity Council while attending MSM. †Jan. 4, 2002

1940



Guy Brown Jr., MeE, was a member of Sigma Nu Fraternity, Student Council, and served on the board of trustees for the *Rollamo* and the *Miner* while attending MSM. He served as an officer in the Navy from

1944-1946. Brown worked for Crown Rigs Inc. as vice president, for Drilling Tools Inc. as president and chief engineer, for Drilling

Tools North Sea Ltd. as managing director, for Weatherford-Lamb Co. as president and Weatherford International Inc. as vice president of oil field operations. He was a registered professional engineer in Texas and served on various committees of the American Petroleum Institute. †Dec. 2, 2001



John S. Markley, MeE, was a member of Sigma Pi and Phi Kappa Phi and was named Scholastic Leader while attending MSM. †Jan. 10, 2002



William J. Smothers, CeE, MS CeE'42, was a member of Sigma Pi, MSM Band and Theta Tau Omega and served on the *Rollamo* Board while attending MSM. Most recently before his retirement in 1983, he worked for

Bethlehem Steel Co. as a manager of the refractories section in the research department. Smothers had served as president of the American Ceramic Society and edited the society's periodical publications from 1953 to 1986. He held two patents, co-wrote two books, and authored or co-authored 20 technical articles. He received an alumni achievement award in 1984. †Nov. 15, 2001

1942



Alexander L. Stewart, ME, was a member of the Tech Club, ASME and Independents and played intramural sports while attending MSM. †Oct. 21, 2001



Dell C. Wade, MinE, was a member of AIME, Radio Club and was on the varsity track team while attending MSM. †Oct. 12, 2001

1948



Joel E. Beezley, PetE, was a member of AIME and was on the honor list while attending MSM. †April 12, 2001

William M. Holtgrieve, NDD, was president of Heintz Steel & Manufacturing Co. in St. Louis since 1997. He served almost two years on a Navy aircraft carrier during World War II. Holtgrieve was a former governor on the Missouri Athletic Club board and a member of the North Broadway Businessmen's Association. †July 27, 2001

Rex S. Smith, ChE, worked as a chemical engineer for Armour Chemical, Jefferson Chemical in Austin and Houston and Pilot Chemical Co. until his retirement. He also served as a lieutenant in the U.S. Navy during World War II. †Nov. 8, 2001

1949



Kenneth E. Bridegroom, ME, †Dec. 7, 2001



M. Robert Rohr, ChE, was a member of AIChE and Alpha Chi Sigma, served as a student assistant and was on the honor list while attending MSM. He also served in the U.S. Army during World War II. Most of Rohr's career was

spent with the DuPont Co. in Wilmington, Del. He was a member of the First and Calvary Presbyterian Church and a number of professional societies. Rohr also served as a volunteer at the Ronald McDonald House in Springfield for many years after his retirement. †Nov. 13, 2001

1950



Alvin D. Bausman, MinE, worked as a mining engineer for Phelps Dodge after graduating MSM. †Nov. 1, 2001



Lester R. Birbeck, PetE, was a member of Independents, Engineers Club, Student Council and Radio Club and was on the honor list while attending MSM. He worked for Amoco for 30 years before retiring in 1984.

Birbeck also served as a merchant marine in the South Pacific during World War II. He established the education trust scholarship for King City, Albany and Stanberry, Mo., high schools and a scholarship fund for UMR. †Sept. 20, 2001



Carl E. Etz Jr., ME, was a member of ASME, Student Council and Independents and was a student assistant in the mechanical engineering department while attending MSM. †Oct. 18, 2001



Oliver A. Jorcke, ME, was a member of ASME and M Club, served on the football team and was on the honor list while attending MSM. †Jan. 11, 2002



Emil A. Roloff, EE, was a member of AIME, was on the honor list and served as a student assistant while attending MSM. †Feb. 17, 2001



Raymond L. Sanders, GGph, †Nov. 11, 2001



Robert N. Schmidt, CE, †Dec. 11, 2001

1951

Donald J. Witzl, ME, was a member of the ROTC Band, Glee Club and ASME while attending MSM. †June 27, 2001



Albert E. Zeis, ME, was a member of Independents and the Tech Co-op Club and was on the honor list while attending MSM. †May 10, 2001

1952



James J. DeGan, EE, was a member of AIEE, Sigma Phi Epsilon and Tech Club while attending MSM. †Aug. 17, 2001



Thomas E. Quick, ME, was a member of Phi Kappa Phi, Independents and Tech Club and was on the honor list while attending MSM. †Aug. 30, 2001



Quentin J. Schiene, CerE, †Jan. 14, 2002



O. Timken Yager Jr., ME, was a member of the Canterbury Club, ASME, and Independents. †May 15, 2001

1960



Wayne R. Derx, CE, was a member of Glee Club, ASCE and the *Rollamo* while attending MSM. †Sept. 17, 2001



Robert E. Hodge, EE, was a member of the Engineer Club, BSU, Independents, Student Council, the track team and the St. Pat's Board while attending MSM. †July 24, 2001



Jeryl L. Smith, EE, †Oct. 10, 2000

1961

Graham W. Wood, CE, was a member of Chi Epsilon while attending MSM. †Sept. 24, 2001

1967



William E. DeLashmit, GGph, †May 21, 2001

1969

Harry D. Burke, ME, †June 26, 2001

1971

Lee R. Nichols, Math, †Oct. 18, 2000

1972

Narinder M. Tuli, ME, †June 29, 2001

1973



Darrell H. Sanders Jr., ChE, †Oct. 27, 2001

1987



Danny D. Hastings, MetE, was a metallurgical engineer for Breed Technologies in Lakeland, Fla. †Sept. 25, 2001

1993

Amy Weir, ME, †Oct. 19, 2001

John Leroy "Jack" Painter



Retired Lt. Cmdr. Jack Painter, CE'50, died Wednesday, March 20, 2002, at the age of 76. He was born Aug. 14, 1925, in Newburg, Mo.

Painter joined the U.S. Navy in 1943, upon graduation from Newburg High School. He attended St. Mary's University in California during training as a Navy aviation cadet. His love for flight resulted in his obtaining his pilot's license, soloing in a Curtiss Jenny.

Painter briefly attended William Jewell College in Liberty, Mo., and Missouri Valley College, but it was at MSM that he found his niche. As a student at MSM, he was a member of Sigma Nu fraternity and continued to serve in the armed reserves.

After graduation, he worked as a topographical engineer for the U.S. Geological Survey, and briefly for Dresser Engineering in Tulsa, Okla., before the Navy called him to active duty during the Korean Conflict. As an officer in the U.S. Navy, Painter's career spanned more than 25 years. Among his many assignments, highlights included serving with the joint staff that provided the Department of Defense support to the NASA space program and in his words "putting a man on the moon." He received a Navy Commendation Medal for his service and retired in 1969 with the permanent rank of lieutenant commander. He was employed as an environmental engineer for the Missouri Department of Natural Resources in Poplar Bluff, Mo., from which he retired and moved to Rolla with his second wife, Joelene (Peele), who died in 1986. His first wife, Marsha (Kindred), died in her mid-20s from leukemia.

Painter was a dedicated and loyal alumnus of MSM-UMR. His many contributions included membership in the Order of the Golden Shillelagh, past director and past-treasurer of the MSM-UMR Alumni Association; and a founding member of the Central Ozark Section of the alumni association.

Painter enjoyed volunteering his time and energy to the university. He worked as a volunteer for many years as the alumni notes editor for the *MSM-UMR Alumnus* magazine. In 1992, he received the Frank Mackaman Volunteer Service Award for his service to the UMR campus community. For the past few years, Painter had volunteered at the Phelps County Regional Medical Center.

Painter was a member of numerous organizations, including: American Roadbuilders Association, American Water Works Association, The Retired Officers Association, U.S. Naval Institute, Naval Aviation Museum Foundation, the Navy League, the Tailhook Association, National Air and Space Museum, National Geographic Society, Smithsonian Associates, American Legion, and the American Association of Retired Persons.

The Jack Painter Memorial Scholarship Fund has been established in his memory. Contributions to the scholarship fund can be made through the MSM-UMR Alumni Association.

friends

Jean Andreae, wife of Andreas A. Andreae, ME'41. †Nov. 17, 2001

F.R. Congiardo, †Dec. 6, 2001

Evelyn B. Cooper, †Jan. 21, 2002

Marge Edwards, wife of Ike Edwards, former alumni director. Marge was an honorary alumnus. †Dec. 7, 2001

Helen Enochs, wife of John R. Enochs, EE'41. †Feb. 9, 2001

Lillian Fran Fritchey, wife of Meril B. Fritchey, ChE'59. †Aug. 12, 2001

Fred Grimes, husband of Shirley Grimes. †July 15, 2000

Pat Heppe, wife of Richard A. Heppe, EE'71. †UMR notified of death Nov. 28, 2001

Pauline Jennings, wife of Charles H. Jennings, CE'30. †March 14, 2001

Frances Kay, wife of William T. Kay, CerE'32. †UMR notified of death Jan. 30, 2002

Evelyn Kerper, wife of Matthew Kerper, CerE'43. †Sept. 5, 2001

Mearl Owens spent seven years in the National Guard. He was in the first class of the Officer Training School in Missouri and was commissioned a second lieutenant. He was a member of the Highway E Church of Christ, where he served as a deacon for many years. Owens was an original member of the Sinkin' Creek bluegrass band, which developed and performed "The Rolla Song." †Nov. 21, 2001

Anna Marie Schierding, wife of Royce Schierding, MetE'59. †UMR does not have date of death

Helen Schmitt, wife of Joseph B. Schmitt, ChE'42. †Jan. 25, 2001

Aarne Visnapuu, Rolla City Council member. †Dec. 11, 2001

Bettye June Wilks, wife of John C. Wilks, EE'48. †Feb. 28, 2001

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.

Gary & Sherry Forsee

Gary Forsee, CE'72, and his wife **Sherry** make giving back to education a priority in their lives. Forsee recently donated \$250,000 to the School of Engineering to support faculty and to provide financial assistance for students.

"Sherry and I have a lot of Missouri roots and ties, especially since both our daughters have gone to Missouri-Columbia," says Forsee. "It gives us a chance to recognize UMR in the role it has played in the many opportunities we have had," he adds. "In giving something back, it's a small way to help faculty and future students achieve their own set of opportunities."

The Forsee Family Engineering Faculty Excellence Fund was set up with half of the donation, and the other half started the Forsee Family Engineering Scholarship/Fellowship Fund.

Forsee is vice chairman of Domestic Operations at BellSouth Corp. in Atlanta, Ga. He has spent almost 30 years in the telecommunications industry. Prior to this position, Forsee was president and chief executive officer of Global One in Brussels, Belgium. Just prior to this, Forsee was the president and chief operating officer of Sprint's long distance division.

Currently Forsee serves as chairman of the national board of trustees for the March of Dimes, is a member of the UMR Order of the Golden Shillelagh, the Engineering Dean's Advisory Council at UMR and the UM Board of Curators' Telecommunications Advisory Council. He was also honored with a professional degree by the civil engineering department in December of 2000. Forsee and his wife Sherry have two daughters, Melanie and Kara.





The Golden Knights parachute team



Demonstration at Allgood-Bailey Stadium • May 22, 2002

