

UMass Lowell

MAGAZINE FOR ALUMNI AND FRIENDS

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Learning with Purpose

A Message From Chancellor Martin T. Meehan '78

The college experience can be daunting to a student who is often living away from home for the first time, sometimes the first member of his or her family with a chance to pursue a degree.

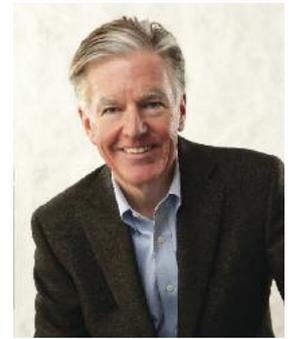
Financial assistance—which often represents a vote of confidence to a student, along with a connection to an alumnus or a friend of the University—can prove to be life-altering for scholarship recipients.

In this issue of the UMass Lowell Magazine, you'll learn about some of the people who give so much to our students, helping to provide the best education possible. We are deeply grateful to them—whether the gift is large or small. It all makes a difference.

The generosity of our alumni and friends takes many forms: it may help fund a scholarship, purchase equipment for a lab, support an academic, research or outreach program or endow a teaching chair.

Every day at the University, we are keenly focused on our students, preparing them to be work ready, life ready and world ready. But we simply cannot do it alone. We need you—alumni and friends of the University.

The magazine also helps keep you up-to-date with the latest campus and alumni activities—and they are many. Browse these pages. Check out www.uml.edu. Or better yet, drop by the campus and see all the activity for yourself.



A handwritten signature in blue ink that reads 'Marty Meehan'.

Marty Meehan '78
Chancellor

CALENDAR OF EVENTS

- Jan. 6: UMass Lowell Alumni Ice Skate @ Fenway Park
- Jan. 28: Delta Kappa Phi Reunion @ River Hawks vs. UMass Amherst hockey game, Tsongas Center at UMass Lowell
- Jan. 28: Sigma Phi Omicron Reunion @ River Hawks vs. UMass Amherst hockey game, Tsongas Center at UMass Lowell
- Feb. 4-5: UMass Lowell in India
- Feb. 10: Third Annual Residence Life, Orientation Leader and SGA Reunion @ River Hawks vs. Merrimack hockey game, Tsongas Center at UMass Lowell
- Feb. 19: 10th Annual Wine Dinner @ Ricardo's in Lowell
- Feb. 25: Engineering Alumni night @ River Hawks vs. Merrimack College, Tsongas Center at UMass Lowell
- Apr. 3: Plastics Engineering Alumni and Friends dinner @ ANTEC Conference, Florida
- May 25: Commencement Eve Celebration, UMass Lowell Inn & Conference Center
- May 26: 40th & 50th Reunions, UMass Lowell Inn & Conference Center

Civil War Book Club

Alumni are invited to participate in "Let's Talk About It: Making Sense of the American Civil War"—a five-part discussion series led by History Prof. Michael Pierson on Jan. 24, Feb. 21, March 20, April 3 and April 24. Registration: <http://libguides.uml.edu/LTAI>. Materials: Sara_marks@uml.edu.

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Editor's Note

Please send comments to Editor Sarah McAdams at Sarah_McAdams@uml.edu. Submit class notes to: Class Notes Editor, Southwick 250, 1 University Ave., Lowell, MA 01854 or www.uml.edu/advancement/classnotes.

Campus Life

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Music studies major Miles Collins-Wooley lets loose during a master class featuring West African drumming and dance with Joh Camard.



Students Help Shape U.S. Senate Debate

UMass Lowell students participated in democracy in action at an Oct. 4 U.S. Senate Democratic primary debate on campus. Dozens of students played a role in the event—helping to shape the debate’s format, firing off questions as panelists, serving as timekeepers and ushers, participating in a Boston Herald focus group and suggesting questions via Facebook and Twitter.

The debate, the first among Democratic Senate candidates, attracted a capacity crowd of nearly 1,000. Co-sponsored by the newly launched UMass Lowell Center for Public Opinion, the UMass Lowell Political Science Club and the Boston Herald, the event attracted scores of local and national

media outlets and thousands of followers online.

Participating candidates were Tom Conroy, Marisa DeFranco, Alan Khazei, Bob Massie, Herb Robinson, Elizabeth Warren and Setti Warren.

Four students served as panelists, asking questions of the candidates who hope to challenge U.S. Sen. Scott Brown next year. Their questions probed both policy positions such as the withdrawal of U.S. troops from Afghanistan and more personal topics like how the candidates paid for college.

The level of student involvement and the heavy use of social media will set a new standard for political debates, predicted Ryan Bounsy, a senior

political science major who participated in the Herald’s focus group of six UMass Lowell students and three faculty members. During the debate, focus group members shared their reactions with a Herald reporter and formulated a question, which was then posed to the candidates.

“This is a perfect example of how an activity like a political debate can be a real learning experience for students that they cannot get in a classroom. As a result, this enriches their education at UMass Lowell and engages them in the community,” said Prof. Frank Talty, director of the Center for Public Opinion.



UMass Lowell students participated in the Senate debate in many ways — as panelists, focus group members and as timekeepers (above).

Ground has broken on South Campus for a new academic building that will be home to health and social sciences programs.



Major Projects Give UMass Lowell Campus an Exciting New Look

The hammers were swinging all summer as two major projects—the construction of the Emerging Technologies and Innovation Center (ETIC) on North Campus and the Health and Social Sciences Building (HSSB) on South—as well as myriad major renovations took shape.

The ETIC will bring together world-renowned and next-generation research leaders to develop solutions to complex scientific challenges facing society today—energy, health, environment, communications and security. The building will open in fall 2012. The Health and Social Sciences Building will provide much needed additional instructional space and faculty offices. The four-story atrium lobby, with skylights and multiple gathering areas, will promote student and faculty interactions. The building will open in spring 2013.

Meanwhile, O'Leary Library on South Campus is being retrofitted as the O'Leary Library Learning Commons. The first floor will offer students a beautiful new resource: a Library Learning Commons with comfortable, relaxed learning spaces, the latest technology and software and access to the information and assistance they need to study, collaborate, conduct research and write papers. Starbucks, already open on the first floor, is a great new plus for students, faculty, staff and visitors.

A University Crossing Steering Committee is considering options for renovations and uses of that facility at the corner of Pawtucket and Merrimack streets. The plan is that it will serve as a unifying hub with student-focused activities and services.

Other projects completed or nearly so include upgraded classrooms, residence spaces, faculty offices, labs and infrastructure improvements.



Prof. Regina Panasuk

REGINA PANASUK NAMED UNIVERSITY PROFESSOR

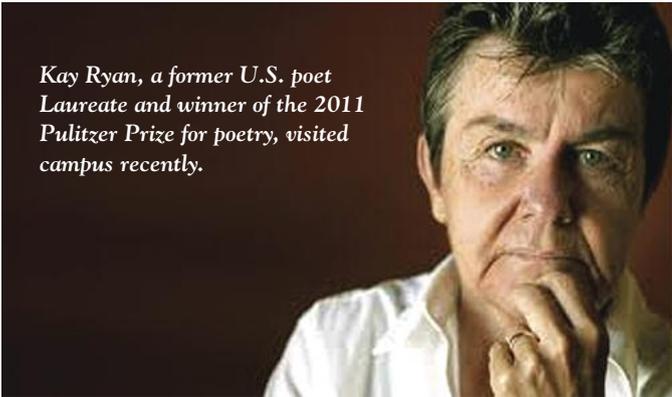
Prof. Regina M. Panasuk of the Graduate School of Education, acclaimed by fellow faculty members and students alike for her outstanding service to UMass Lowell for nearly two decades, has been awarded the distinguished title of University Professor.

Panasuk is “an exceptional professor ... who works harder than could be reasonably expected of any individual because she loves her career and is dedicated to improving the quality of mathematics education for all,” says Anita Greenwood, interim dean of the Graduate School of Education.

The appointment carries with it a stipend of \$10,000, release from teaching one class each semester and the commitment to deliver a University Professor lecture, which, in this case, will take place during the spring 2012 semester. The three-year appointment, which runs through August of 2014, is the highest distinction bestowed on a UMass Lowell faculty member.



Robert '71 and Gail Ward tour the future Robert & Gail Ward Biomedical Materials Development Laboratory in the Emerging Technologies and Innovation Center, currently under construction. Read more about the Wards on page 36.



Kay Ryan, a former U.S. poet Laureate and winner of the 2011 Pulitzer Prize for poetry, visited campus recently.

PULITZER PRIZE-WINNING POET VISITS CAMPUS

Poet Kay Ryan drew a crowd of approximately 200 for a reading recently and then kept them laughing. Ryan, a former U.S. poet Laureate and winner of the 2011 Pulitzer Prize for poetry, read from her latest book, “The Best of It: New and Selected Poems.”

“Kay is highly decorated but her poems are not,” said English Department faculty member Maggie Dietz in her introduction of the poet. She noted that Ryan’s poems have been compared to Fabergé eggs or Joseph Cornell

boxes, “which is to say it’s a delight to open them and discover what’s inside.” Ryan took the podium declaring that after such a fine introduction she felt inspired to go write some more poems immediately.

English Department Chair Tony Szczesiul said Ryan’s visit marked an important day for the department, which has grown significantly over the past two years and recently added a concentration in creative writing.

The Poster Child

Legal Studies Professor Michael E. Jones—who has not only a J.D. from Miami University, but also an MBA from the Wharton School at the University of Pennsylvania—is also an accomplished author, district court judge, globally ranked triathlete and painter.

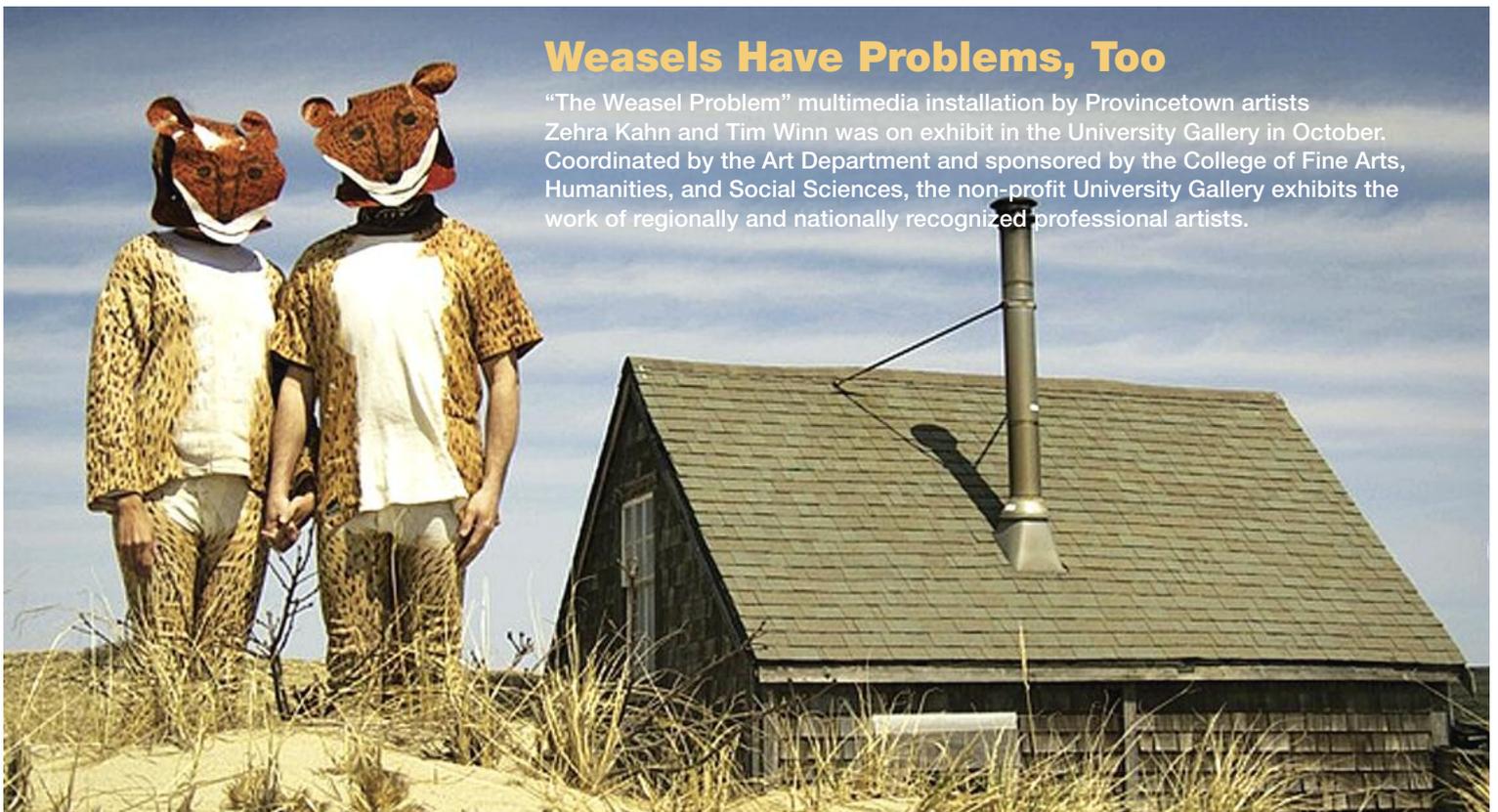
The last talent has brought his latest honor. Jones was selected to create the image that will serve as the official triathlon poster for the 2012 Olympics in London. His original painting will be made into posters and sold throughout the Olympic venue and at the USA Olympic Trials and national championship triathlon race.

“It’s a pretty cool honor,” says Jones, who also had paintings selected for Olympic posters at the 2004 and 2008 games.

The Pelham, N.H., native’s connection to the Olympics is deep. A teammate of Mark Spitz on the U.S. national swim team in the 1970s, Jones made it to the Olympic Trials in 1972.

“Not all first dreams come true,” he says. “I’m completely happy with who I am and how things turned out. So many athletes live in the past. I respect and honor the past—but I don’t want to live in it. After all, I made the Olympic games, just in a different way.”

The 2012 Olympics triathlon poster will be based on this painting by Prof. Michael E. Jones.



Weasels Have Problems, Too

“The Weasel Problem” multimedia installation by Provincetown artists Zehra Kahn and Tim Winn was on exhibit in the University Gallery in October. Coordinated by the Art Department and sponsored by the College of Fine Arts, Humanities, and Social Sciences, the non-profit University Gallery exhibits the work of regionally and nationally recognized professional artists.

UMass Lowell Named a Tree Campus USA

UMass Lowell is New England's first college to be designated an official Tree Campus USA by the Nebraska-based Arbor Day Foundation. Superintendent of Grounds Ryan McCaughey says the University meets five standards for tree care and community engagement: a campus tree advisory committee, a campus tree-care plan, an annual budget for tree care, involvement in observing Arbor Day and a service-learning project aimed at engaging the student body.



FACULTY TOPS 500

This fall, UMass Lowell reached a new milestone, as the semester began with 503 faculty members, a record for the campus. Overall enrollments have increased by more than 30 percent in the past three years due to improved retention rates and an increased number of incoming students. The campus now has more than 14,000 students, including undergraduate, graduate and continuing studies levels. New faculty members have been recruited across disciplines to respond to these enrollment increases.

UMASS LOWELL ONLINE BREAKS RECORD

UMass Lowell saw a record-breaking 18,558 online enrollments in the last academic year, up more than 10 percent over a year ago. Programs include fully online bachelor's degrees in fields like liberal arts, psychology and information technology. Online graduate study options include 10 master's degrees in areas like business administration and education, and a variety of certificates. Highly specialized

programs created in response to demand from employers and students are another hallmark of UMass Lowell's online offerings and include new certificates in fields like network security, victim studies and sleep disorder treatment.

MBA PROGRAM AMONG BEST IN COUNTRY

For the fifth year in a row, UMass Lowell's Manning School of Business has been named one of the best business schools in the country by the Princeton Review. In its newly published book, "The Best 294 Business Schools: 2012 Edition," the education services company recommends UMass Lowell as one of the top universities for earning a master's of business administration. Enrollment in the University's MBA program is up 17 percent this year, according to Prof. Gary Mucica, director of graduate programs at the Manning School. Contributing to that increase is the new full-time MBA program, which was introduced this semester, and the popularity of online courses.



CHECK OUT THE NEW UML.EDU!

After months of research, design iterations and rewriting, the new UMass Lowell website was launched this fall. Geared toward students, the color scheme is meant to convey the excitement and momentum of the campus. The overall design is much wider, providing more space to display content. It incorporates best practices for higher education websites, as well as recommendations from a web consultant.

Visitors will notice streamlined navigation, including horizontal topic areas and pull down menus, flash landing pages with bigger pictures and video, and seamless incorporation of social media. Future improvements will include a mobile site, multiple languages and personalization. Let us know what you think at www.uml.edu/feedback/.

Luring Tourists Underground

SUBWAY CAMPAIGN FEATURES PROFESSOR MINKKINEN'S PHOTOS

His photographs are displayed in galleries around the world—including New York's Museum of Modern Art, Boston's Museum of Fine Arts and Musée d'Élysée in Lausanne, Switzerland. But for Art Prof. Arno Minkkinen, displaying work in the Paris underground—on billboards throughout the city's Metro stations—is a first.

"The Finnish Tourist Board contacted me to ask if I would let them use my work in their efforts to boost tourism from France," Minkkinen says. "This has been, by far, the most wonderful and unusual display of my work—to be able to promote my homeland in one of my favorite cities...wow! Magnifique!"

The images—displayed in high-traffic metro stations and on billboards throughout the city—share the beauty of Finland with

minimal supporting text, letting the photographs tell the story.

Closer to home, Minkkinen was recently selected as the University's third recipient of the Nancy Donahue Endowed Professorship in the Arts, created by patrons Richard and Nancy Donahue to support the University's music, art and theater programs by strengthening ties to local music, arts and theater communities.

Minkkinen says he's honored to be among previous Donahue scholars, Music Prof. Kay George Roberts and English Prof. Andre Dubus. "I am indeed honored, especially considering the first two Donahue scholars," he says, adding that he's using the position to create exciting community service applications.



Arno Minkkinen's work is shown in a Paris Metro station—one of many installations throughout the city.

UMASS LOWELL SCHOLAR WINS NOBEL PEACE PRIZE

Peace activist and UMass Lowell Greeley Scholar Leymah Gbowee was awarded the Nobel Peace Prize in October.

"As UMass Lowell's 2011 Greeley Peace Scholar, Gbowee contributed to our understanding of how deep and lasting conflicts can be

resolved through peaceful means," says Chancellor Marty Meehan. "During her participation earlier this year in the University's International Women Leaders Summit, Gbowee inspired us with her courage and her unflagging commitment to peace and equality. As Nobel Peace Laureate, she will continue to mobilize and unite people."



Get on the Bus!

What better way to get high school students excited about the nursing profession than to give them hands-on experience? UMass Lowell nursing faculty is taking this idea on the road in the form of a 34-foot bus that is home to two realistic mannequins—birthing mother "Noelle" and newborn "Hal." By simulating functions of the human body such as breathing, crying, talking and assuming medical conditions, the high-tech mannequins offer students a fun and intriguing way to find out if the nursing profession is for them.

The U.S. Department of Health and Human Services awarded the UMass Lowell Nursing Department a \$298,990 grant for the "On the Move for Nursing's Future" mobile simulation laboratory to reach out to diverse and underserved populations in the Merrimack Valley.

"Despite the current down economy, the shortage of nurses is still expected to be significant as the population ages," says nursing Prof. Jacqueline Dowling, the project's lead manager. "With this mobile laboratory, we're able to bring the technology into the community and have the students interact with the patient simulators in a way that will engage them."

From Millworkers to Microchips: Lowell's Journey to Geekhood

By David Perry



Feeling geeky? Raise your geek flag high. You are not alone. Lowell, thanks in large part to UMass Lowell, is transcending its history of hard labor and blue-collar struggle. Brawn is being swapped for brains.

In its annual Science and Engineering Indicators report, the U.S. National Science Foundation has dubbed greater Lowell the sixth “geekiest” city in the nation on a Top 20 list. The Mill City is lodged smack between Durham, N.C., and Washington, D.C. San Jose, Calif., in the Silicon Valley, tops the list.

The study measures the percentage of a city’s workforce in occupations that require at least some technical knowledge or training, including at least a bachelor’s degree. The report, recently released in *Forbes* magazine, says 14.1 percent of the area’s workforce—16,580 workers—are employed at such technology companies as Kronos Inc., Jabil Circuit and Juniper Networks. The report includes Billerica and Chelmsford in the “Lowell area.”

“I find it particularly interesting because Lowell has been traditionally viewed as a place filled with mills and industrial history,” says Robert Malloy, UMass Lowell professor and department chair of Plastics Engineering. “It’s a real indication of how much things have changed. We’ve gone from an untrained labor force to a work force that is much more innovative.”

Long before it was known as UMass Lowell, the University was producing engineers and other brainy grads.

Rich Miner, a partner in Google Ventures and co-founder of Android, earned a bachelor’s degree in computer science in 1986 and his master’s in 1989 from then-University of Lowell and his Ph.D. in 1997 from UMass Lowell. Even in the shadow of some of the best-known engineering and science schools, UMass Lowell was doing its part to produce work-ready geeks.

“It’s been around for a while,” said Miner by phone from his Cambridge office. “It’s not new. You had technical companies like Mercury Computer Systems, Allied, Wang. What this sounds like is the recognition that there’s a super-bright, well-trained and very skilled student body and everybody should be recruiting them.”

UMass Lowell is becoming even more deeply woven into the fabric of the city. It is considered a main feeder to the city’s workforce. With the University’s dedication to preparing work-ready graduates for life in the real world, it could get a lot geekier.

“Having the University as a major player in the city’s development and energy certainly go hand in hand with the creative economy,” says Lowell City Manager Bernie Lynch. “I think of geeks as being creative people, big thinkers, people who embrace social media, new technologies. Geeky is good. Steve Jobs, Barack Obama and Bill Gates are the sort of names that come to mind. They are considered geeks, or were at one time. Which says some good things about geeks.”

UMass Lowell’s part in meeting the future head-on is invested deeply in “nanotechnology, cutting-edge plastics, biodegradables and the like,” adds Lynch. “They’re forward-thinking things they are putting into the pipeline, and it is attracting people to the city.”

Like the \$70 million Emerging Technologies and Innovation Center rising on North Campus?

“That’s the idea,” says Malloy. “But you know, I don’t think of our students as ‘geeks’ in the least. There are some schools known as centers for such things that might fit the geek tag. I guess the term implies high-tech. I think of our students as scientists and engineers, people capable of understanding things and having an interest in things that not a lot of people understand. Our students may be smart, but they’re also ready to work in the mainstream, to work hard, to connect well with people.”

The End of an Era for NASA

Staffer Covers Last Shuttle Mission

Edwin Aguirre, the science and technology writer in UMass Lowell's Public Affairs Office, was in Cape Canaveral, Fla., when the space shuttle Atlantis embarked on its final 13-day mission with a picture-perfect launch this summer. Witnessed by hundreds of thousands of people gathered at NASA's Kennedy Space Center, as well as millions more glued to live TV and web broadcasts around the world, the launch marked the beginning of the end for America's storied three-decades long space shuttle program.

Atlantis's primary objective was to deliver the shuttle payload to the crew of the orbiting International Space Station (ISS). The cargo includes a multi-purpose logistics module filled with spare parts and nearly five tons of supplies for the space station, as well as a pair of Android smartphones that UMass Lowell alumnus Mark Micire '10 helped develop. The smartphones are designed to control a trio of miniature free-flying robots residing in the ISS.

Forty seconds after it left the launch pad for the final time, Atlantis was gone, but people could still hear the shuttle's rattling sound and follow the dark, curving shadow cast by its smoke trail on the cloud tops. "Squinting our eyes and craning our necks, we tried to catch one last glimpse of Atlantis in flight," Aguirre says. "Soon afterward, people cheered, hugged, shook hands and high-fived. Everyone had a big smile—Atlantis had just put on the most spectacular fireworks of the year, and we had a ringside seat to it!"



Photo: Edwin Aguirre/Imelda Josen

LONGTIME LIBRARY DIRECTOR RETIRES

UMass Lowell librarian Pat Noreau says that although much in her industry changed during her four decades at the University, one thing remains the same: "I've always felt that the most important thing for a reference librarian is to be good at customer service," she says.

Noreau would know. She joined the University in April 1970, when it was the Lowell Technological Institute. After the merger of Lowell State and Lowell Tech, she became the head of the unified serials department and subsequently was appointed head of technical services. She retired, as director, this summer.

For all of her years here, Noreau focused on addressing the needs of her customers: students. But how she and her co-workers addressed those needs changed drastically over the years.

For the first half of her tenure, the emphasis was on "how large your physical collection is—how many books and journals you have," she

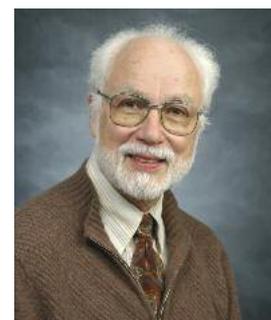


Newly retired Director of Libraries Pat Noreau enjoys a coffee at Starbucks, which recently opened in the space previously occupied by her office at O'Leary Library.

says. That changed, however, with the advent of the digital world.

Over the next decade, the library staff began building an online collection, with, for instance, the buying of robust, sophisticated databases.

"Under Pat's direction, the library developed one of the nation's first online digital collections with the journal collection growing from 2,000 paper titles to more than 40,000 online titles," says Interim Director Rosanna Kowalewski.



Prof. Emeritus Bodo Reinisch

PROFESSOR WINS PRESTIGIOUS PHYSICS PRIZE

"It was like winning the equivalent of the Nobel Prize for the field of radio science!"

That's how Prof. Emeritus Bodo Reinisch of the Environmental, Earth and Atmospheric Sciences Department described the news that the International Union of Radio Science has chosen him to receive the prestigious Appleton Prize for "outstanding contributions to studies in ionospheric physics."

Reinisch, former director of UMass Lowell's Center for Atmospheric Research, was cited for "revolutionizing radio sounding from ground and space."

Lynda Barry Wows as Artist-in-Residence

Renowned artist and writer Lynda Barry left her creative mark on campus as the fall 2011 Artist-in-Residence for the UMass Lowell Center for Arts & Ideas. For the last several decades, Barry has shared her passion for art, writing and life through “Ernie Pook’s Comeek”—a cornerstone of the alternative comic world—and numerous graphic novels, books and, most recently, creativity workshops.

“I’ve absolutely loved my time here at UMass Lowell and I’m jealous of everyone who gets to come here,” she says. “I would study here in a second, I would teach here in a second, it’s just an excellent place to be.”

Barry’s stay at the University included teaching several master classes, one-on-one meetings with students and professors, a standing-room-only lecture and a workshop for students and professors.



A self-portrait by Lynda Barry





Heather Jaffe practices her TV weather-forecasting skills in front of the “green screen” at the New England Cable News Network studio.

STUDENT, ALUM KEEP TABS ON NEW ENGLAND WEATHER

On the afternoon of June 1, an outbreak of tornadoes with winds exceeding 135 miles per hour struck western Massachusetts. Residents in Springfield only had about 10 minutes’ warning that a powerful twister was approaching their city. The tornadoes—the strongest to hit New England since the 1953 twister in Worcester—killed four people and left hundreds more injured or homeless.

Kristina Oakland, a 21-year-old student in UMass Lowell’s Environmental, Earth and Atmospheric Sciences Department, was on her first day as a meteorology intern at the New England Cable News (NECN) studio in Newton when the tornadoes struck.

“It was absolutely crazy!” she says. “I rushed the alerts from the National Weather Service to NECN meteorologist Matt Noyes for his live TV broadcast. I also answered the phone and took down information the viewers were sending in.

Watching the formation of the storms on the Doppler radar was amazing, but at the same time it was frightening to see the power of these tornadoes. I was one of the first to see pictures and videos from Springfield and neighboring towns before they were aired and I was speechless. It was a scary, exciting first day.”

Also interning at NECN is Heather Jaffe, who graduated from UMass Lowell in May with a degree in atmospheric sciences.

“I was in the studio two days after the tornadoes struck,” says Jaffe. “The aftermath was very devastating. Still, we are very fortunate we had such good coverage of these storms, giving people at least 10 minutes to take cover in their basements before the twisters touched down. This was my first experience dealing with tornadoes, and hopefully my last until I decide to go to the midwest to storm-chase!”

STUDENTS NAMED TRIPATHY FELLOWS

Two Ph.D. candidates—Abhishek Kumar in physics and Jisun Im in chemistry—were each awarded the 2011 Tripathy Memorial Endowed Graduate Fellowship in recognition of their academic accomplishments and multidisciplinary research in the areas of materials science and polymer science. Each received a \$6,500 research stipend for the summer.

Kumar received his master’s degree from the Indian Institute of Technology in Kanpur, India, in 2005. His current investigation deals with the development of a highly sensitive optical sensor that uses organic fluorescent materials to detect trace amounts of explosives in the air.

Im received her master’s degree from Pusan National University in South Korea in 2005. She is now working on developing the “Mini Mutt,” a chemical sensor designed to detect organic vapors and explosives using gold nanoparticles and conducting polymers.

MODEL U.N. TEAM WINS BIG IN TURKEY

Preparation and commitment paid off for UMass Lowell students who competed in the Model United

Nations competition held in Antalya, Turkey, recently. The team members, drawn from the Dean Bergeron International Relations Club, won six awards—taking honors in more than half the committees they served on, and winning more awards and honorable mentions than any other school at the conference.

“Being the only U.S. school was tough,” says the club’s faculty adviser, Jason Carter, adjunct professor

of political science. “Our students had to work a bit harder to overcome the negative stereotypes others had. More than one student was asked, ‘Are you a typical American? You’re the first one I’ve ever met.’ So they found themselves explaining the diversity of American culture.”

The UMass Lowell students faced 300 delegates from 20 other colleges and universities.



UMass Lowell grad student Molly Clay, center, conducts diffraction experiments in a physics class at Lowell High School.

Students Make Waves in Lowell and Lawrence Schools

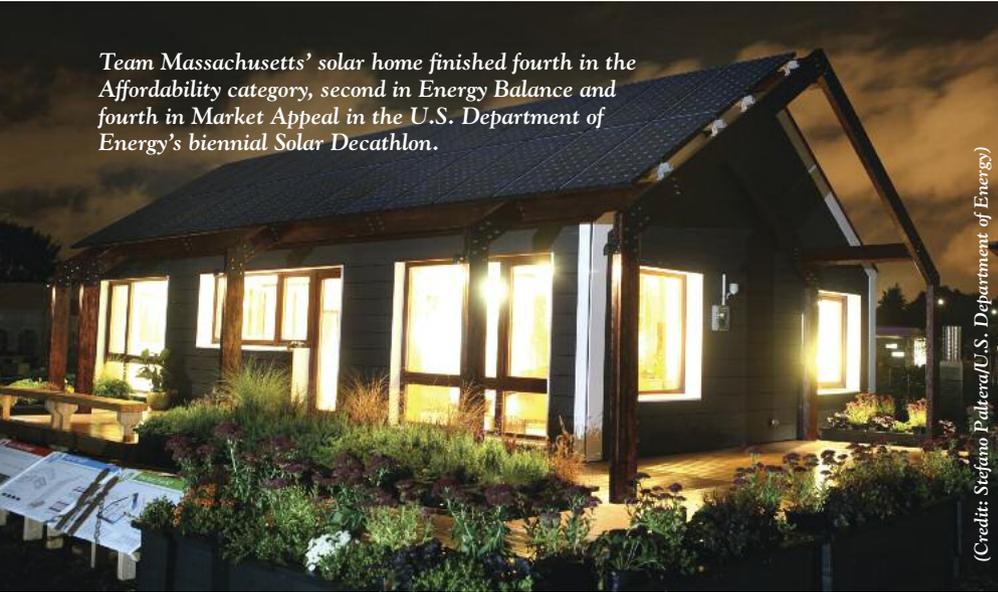
Eileen Montbleau says she loves watching science come alive for her ninth grade students at Lowell High School—thanks to graduate students from UMass Lowell. “It’s great to see my students have the opportunity to be engaged in different lab activities that I don’t have the resources or expertise to provide,” says the science teacher, referring to the Vibes and Waves program.

Since 2009, the program—which is funded by a five-year \$2.4 million grant from the National Science Foundation—has connected UMass Lowell graduate students in science, math, education and engineering with high school teachers and students in the Lowell and Lawrence school districts.

Vibes and Waves helps the grad students learn how to effectively communicate the nature and significance of their research to a diverse lay audience, and the high school students get a chance to hear about exciting university-level research they otherwise wouldn’t be exposed to.

“Being in the classroom and working with high-school students is very fulfilling,” says Molly Clay, a chemical engineering graduate student. “And being a role model for them and opening up their eyes to new ideas and research is wonderful.”

Team Massachusetts' solar home finished fourth in the Affordability category, second in Energy Balance and fourth in Market Appeal in the U.S. Department of Energy's biennial Solar Decathlon.



Students' Solar Home Places Ninth in National Contest

Team Massachusetts—made up of energy engineering students from UMass Lowell and architecture students from the Massachusetts College of Art and Design—won ninth place in the U.S. Department of Energy's biennial Solar Decathlon competition held in late September in Washington, D.C. The team beat 10 other collegiate teams from the United States, Canada, Belgium and China.

"This is the best showing ever by any Massachusetts team, public or private, in the history of the Solar Decathlon," says Engineering Dean John Ting. "I think we had one of the most livable, energy-efficient, thoughtfully designed and executed homes. As proof, I believe we were the first home to be sold to a private owner, with the proceeds going to help defray the institutional costs of this project."

A number of donors, sponsors and volunteers contributed materials and services to the project, including Epoch Homes, which fabricated the house at the company's factory in Pembroke, N.H., and Saint-Gobain North America, a global company with more than 190,000 employees in 64 countries, which donated about 30 different products used in the construction of the team's home. Other donors included Nordic Engineered Wood, Solectria Renewables, Sundrum Solar, Boott Hydropower and Enel Green Power North America.

The team's entry—designed to house a family of three and to be completely powered by the sun—finished fourth in the Affordability category, second in Energy Balance and fourth in Market Appeal (three of the 10 individual contests that formed the overall "decathlon"). Overall, the University of Maryland won first place, followed by Purdue University and Victoria University in New Zealand.

"It was a dream project for us," says Apurav Jain, who is pursuing a master's degree in solar engineering and plans to set up his own solar energy company in India after graduation. "We received a lot of practical experience and knowledge on how to go about installing photovoltaic panels and designing our system to comply with the national electrical code, among other things. It helped us better understand the concepts we learned in the classroom."

Other members of the 2011 UMass Lowell team included Christopher Bradley, John Connor, Milo DiPaola, Erik Jordan, Srilakshmi Kurmana, Tim Lee, Abdelwahed Nabat, Kemeng Peng, Raam Perumal, Matthew Polese, Julianne Rhoads, Walter Thomas and Anant Wadalkar. Their faculty adviser was Prof. Robert Parkin of mechanical engineering.

STUDENTS HELP SHARPEN SKATERS' SKILLS

By assessing the strength and power of 40 figure skaters at the Reggie Lewis Track Athletic Center in Boston, physical therapy and exercise physiology students applied classroom learning to the real world.

"It allowed them to use the skills they learned in the classroom in a real work setting," says Assoc. Prof. Cynthia Ferrara of exercise physiology, who serves on the Sports Medicine and Sports Science Committee for U.S. Figure Skating.

Second-year doctor of physical therapy students

Celine DeMaggio, Connor Ryan and Heather Jones and senior exercise physiology students Molly Nowill and Greg Titus, along with Ferrara, tested each of the skater's abilities using the standards set by U.S. Skating.

"Screening skaters helped me put to use some of the tests that we performed in our exercise physiology labs," says Nowill. "It was a positive experience that really helped me apply my knowledge of exercise physiology in a setting outside of classes."



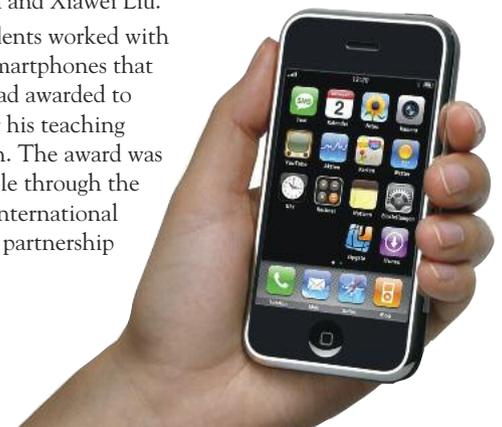
Standing, from left, second-year doctor of physical therapy students Celine DeMaggio, Connor Ryan, Heather Jones and senior exercise physiology students Molly Nowill and Greg Titus.

STUDENTS DEVELOP SMARTPHONE APPS

Imagine a smartphone app that helps drivers find parking spots on the UMass Lowell campus. Or one that lets you look up the location of the University's shuttle bus in real time.

These are just some of the cool, user-friendly programs developed recently by students in a computer science graduate course taught by Assoc. Prof. Benyuan Liu. The "UML Parking Finder" was created by Peng Xia and Shan Lu while the "UML Shuttle Tracker" was developed by Jason Chan, I-Hsuan Lin and Xiawei Liu.

The students worked with the dozen smartphones that Microsoft had awarded to Prof. Liu for his teaching and research. The award was made possible through the company's international educational partnership program.



Washington Internships Give Capital Gains

Recent UMass Lowell graduate Jeanna McCarthy likens her summer internship in Washington, D.C., to a stint on the reality TV show “The Apprentice.”

Quick-turnaround group projects and high-pressure presentations, complete with last-minute curveballs, gave McCarthy a taste of the real-world demands of the professional workplace, all crammed into a 10-week internship program.

“I learned so much more than I ever thought I could in 10 weeks,” says McCarthy, who interned in the District of Columbia’s Office of Contracting and Procurement. “It was really rewarding.”

McCarthy, an economics major, was participating in a program offered through the The Washington Center for Internships and Academic Seminars (TWC), the largest program of its kind in the country. For more than 10 years, dozens of UMass Lowell students have taken part in TWC’s programs, earning up to 12 credits while working for government agencies, media outlets, nonprofits, law firms, lobbyists and private companies in and around the nation’s capital.

In addition to doing internships at places like the White House, the Department of Homeland Security, the Washington Post and the U.S. Chamber of Commerce, students take a class and participate in a leadership forum, which features guest lectures, tours and panel discussions with government, military and business leaders. They also complete a community en-

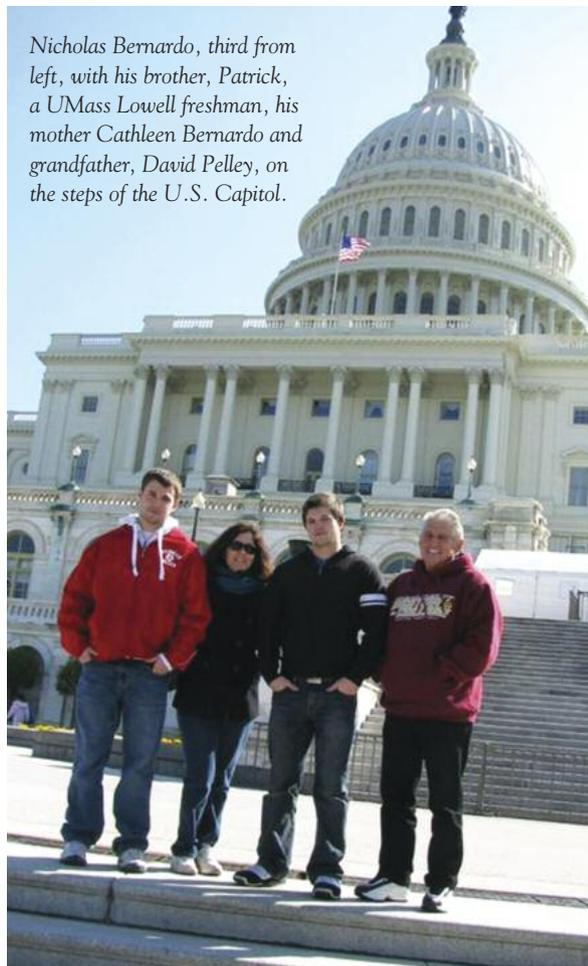
gagement project and prepare a final portfolio of all their work.

Nicholas Bernardo, a senior English major, spent last spring semester writing scripts, editing videos, crafting press releases and sharpening his social media know-how at a TWC internship with RedEye, a boutique video production company in Alexandria, Va.

He had previously done a communications internship at the Merrimack Valley Repertory Theatre, but wanted more experience to help him stand out in the job market. “I needed to give myself a competitive edge,” he says. “I thought,

if I can thrive in the nation’s capital, I can thrive anywhere.”

Bernardo took a class called Power, Politics and Prose, during which he studied documents such as the Declaration of Independence and the Gettysburg Address and then visited related historic sites. Looking back, Bernardo says he gained confidence in his abilities during the five-month experience. “I was challenged to constantly think outside the box,” he says. “When I started, I hated public speaking. Now I can get up in front of a group of people. I feel like a different person.”



Nicholas Bernardo, third from left, with his brother, Patrick, a UMass Lowell freshman, his mother Cathleen Bernardo and grandfather, David Pelley, on the steps of the U.S. Capitol.

FIRST STUDENT VETERANS SERVICES OFFICE OPENS ON CAMPUS

For the first time, veterans studying at UMass Lowell will have a space on campus to go to for assistance and to call their own. The Student Veterans Services Office in McGauvran Hall has study space, a kitchenette and private areas for conversation. On one wall hangs a map of the world with pins showing where the veterans served.

It’s a place for student veterans to meet and get help with college life. Janine Wert, newly appointed director of Veterans Services, says that the veterans on campus and in classes—more than 600—can offer UMass Lowell unique insight. “These are students with different needs, but they have experiences that other students don’t have,” she says.

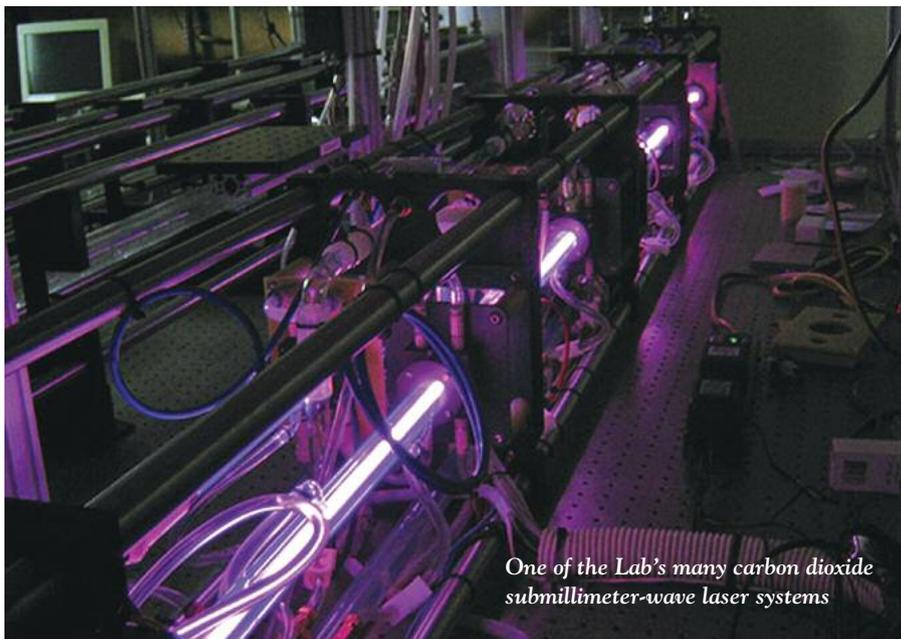


UMass Lowell ROTC founding colonel Walter Kelly, right, paid a visit to Lt. Col. Matthew McSwain on campus recently.

AIR FORCE ROTC NAMED BEST DETACHMENT IN REGION

The Air Force ROTC on campus, Detachment #345—which celebrated its 60th birthday in 2011—has been named the best small detachment in the Northeast. The award is for a two-year record of achievement in several categories, including cadet activities, university relations and education. “I am so proud of this team and our cadets, and all that these extraordinary young people are doing on campus and around Lowell,” says Lt. Col. Matthew McSwain, Det. #345 commander, noting that enrollment is the highest in 12 years, with a jump of 59 percent in the past two years.

A solemn Flag Retreat ceremony marked the 60th anniversary of Air Force ROTC Detachment 345 on campus, as alumni, cadets and guests gathered in memory and celebration. Among them was Col. Walter Kelly, founder of the University’s ROTC detachment 60 years ago.



One of the Lab's many carbon dioxide submillimeter-wave laser systems

Submillimeter-Wave Lab Awarded \$23 Million

In one of the largest single awards ever received by the University, UMass Lowell's Submillimeter-Wave Technology Laboratory (STL) received a grant worth \$23 million over five years from the U.S. Army's National Ground Intelligence Center.

"This grant is a continuation of our program to assist the government in acquiring and analyzing surveillance radar imagery," says Physics Prof. Robert Giles, who directs the STL. "Our research is focused on using terahertz frequency sources and receivers to scale the Army's millimeter-wave and microwave airborne radar systems."

For the past 30 years, the STL has been at the forefront of developing and applying technologies to help in military surveillance, homeland security, medical diagnostics and scientific and academic research.

In 1979, then-STL director (now science adviser) Prof. Jerry Waldman recognized that emerging terahertz source/receiver technologies could be used to simulate the military's sophisticated microwave radar systems in the laboratory. These simulations could then be used to obtain characteristic radar fingerprints of aircraft, ships, tanks, trucks and other tactical vehicles at low cost and very high accuracy. Such radar fingerprints are useful for quickly identifying whether an incoming object in the battlefield is a friend or foe.

Since then, the STL has used its unique capabilities to fulfill radar measurement requests from Department of Defense agencies as well as defense-related laboratories and companies, including MIT Lincoln Lab, Boeing, Lockheed-Martin and Raytheon. STL's efforts have also successfully spun-off to medical applications, especially in detecting non-melanoma skin cancer.



STL Engineering Director Michael Coulombe works on a solid-state, high-resolution Terahertz radar system.

MEDICAL DEVICE STARTUPS FILLING M2D2 INCUBATOR

The Massachusetts Medical Device Development Center (M2D2), a business incubator at UMass Lowell, has eight medical device startups already in residence in its laboratory and office space. The incubator is the result of a \$4 million renovation that has transformed 14,000 square feet of a former mill building into a state-of-the-art facility for emerging companies.

The University supports those companies with its expertise in engineering, business management, medical procedures, prototyping and clinical trials. M2D2 is a joint initiative of UMass Lowell and UMass Medical School in Worcester to help companies bridge the large gap between invention and production of new medical devices.

Over the past decade, Massachusetts' medical device exports have grown at more than twice the rate of the state's overall exports. The industry employs nearly 25,000 workers in the Commonwealth and is responsible for creating more than 80,000 jobs in related industries, according to a recent study by the business consulting company Deloitte Touche Tohmatsu Ltd.

Gov. Deval Patrick's administration provided funding for the renovation project, which was managed by the UMass Building Authority.

"This facility provides new opportunities for medical device startup companies," says UMass Lowell Prof. Stephen McCarthy, co-director of M2D2. "The wet labs, together with expertise offered by engineering faculty, can help

entrepreneurs design cutting-edge products that doctors and clinicians will want to use."



RESEARCHERS HELP STUDENTS BECOME 'DATA SCIENTISTS'

The National Science Foundation (NSF) awarded a grant totaling \$1.3 million to UMass Lowell and its partners to introduce young students to cyberlearning in the classroom and help prepare them for the deluge of data produced by modern science.

"We'll focus on training middle school and high school students to become 'data scientists' engaged in collecting, sharing and visualizing scientific data over the Internet," says computer science Assoc. Prof. Fred Martin, the project's principal investigator.

The project's core technology is an interactive web platform called the Internet System for Networked Sensor Experimentation, or iSENSE—which provides a shared repository of user-contributed classroom activities, such as tabletop science experiments, environmental analyses, engineering projects and surveys, together with the data generated by these activities.

Asst. Prof. Michelle Scribner-MacLean of the Graduate School of Education is co-principal investigator for the project.

Researchers to Develop Intelligent Humanlike Robots

A team of researchers from UMass Lowell, the University of Michigan and Tufts University recently received a two-year grant of nearly \$1.5 million from the National Science Foundation to create intelligent robot systems that will navigate more like humans.

For its part, UMass Lowell will receive nearly \$409,000 for the project, with Computer Science Prof. Holly Yanco as principal investigator.

“Our research will develop and evaluate an intelligent robot capable of being genuinely useful to a human and capable of natural dialog with a person about their shared navigation task,” says Yanco. “In particular, the robots will be able to ask for directions and clarifications to those directions.”

The team’s work will be tested in two areas: robot wheelchairs and telepresence robots. Robotic wheelchairs help people move to their desired destinations while telepresence robots serve as virtual eyes and ears for a remote human operator as the robots navigate within an environment.

Yanco says this research will create technologies for mobility assistance for people with disabilities in perception (blindness or low vision), cognition (developmental delay or dementia) or general frailty (old age).



Hugo, an augmented VGo Communications' VGo telepresence robot, is driven remotely by a human operator (visible on Hugo's screen). A light-up LED necktie indicates the robot's current status.



\$4.5 MILLION GRANT WILL IMPROVE EMPLOYEE HEALTH

The National Institute for Occupational Safety and Health (NIOSH) has committed \$4.5 million to renew funding of the Center for the Promotion of Health in the New England Workplace at UMass Lowell and the University of Connecticut.

Originally funded in 2006 with a \$5 million grant, the center is a collaborative research-to-practice program led by Prof. Laura Punnett of Work Environment at UMass Lowell.

“Our work has made a substantial difference to the health of workers in nursing homes, correctional facilities and other businesses across New England,” says Punnett. “We’re very excited that NIOSH has awarded this funding so that we can expand our research to uncover the root causes of how the workplace may be influencing negative health behaviors.”

For instance, the center is evaluating a program in a chain of more than 200 nursing homes that uses lift devices for residents to prevent back injuries and musculoskeletal disorders among aides and other caregivers. The team is measuring overall physical and mental health, employee retention, program costs and workers’ compensation claims.

TRACKING FLU EPIDEMICS VIA TWITTER

Fever. Cough. Sore throat. Runny nose. Body aches and headache. Fatigue. These are some of the classic symptoms of the flu, a highly contagious respiratory illness caused by influenza viruses. Seasonal flu epidemics result in about 3 to 5 million cases of severe illness and about 250,000 to 500,000 deaths worldwide each year.

A team of researchers from UMass Lowell’s Computer Science Department, the Harvard Medical School’s Department of Population Medicine and Scientific Systems Co. is now using online social networks such as Twitter and Facebook to help improve

the prediction of influenza levels within a population and keep track of its spread.

“Studies have shown that preventive measures can be taken to contain the outbreak, provided early detection can be made,” says computer science Assoc. Prof. Benyuan Liu, a member of the team.

Called the Social Network-Enabled Flu Trends, or SNEFT, the system uses a continuous data-collection framework that monitors all flu-related tweets. The team’s research is supported in part with a \$200,000 grant from the National Institutes of Health.

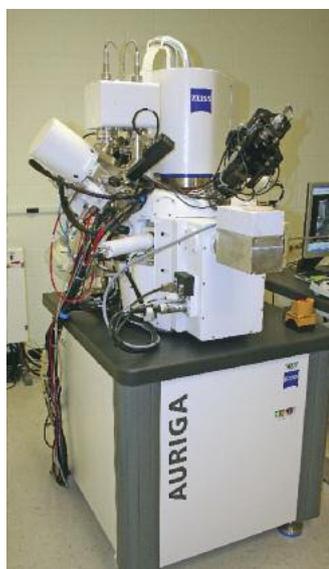


“We consider Twitter users within the United States as ‘sensors’ and the collective message exchanges they post describing their flu symptoms as early indicators and robust predictors of flu activities,” says Liu.

NSF Grant Funds \$1.3 Million Microscope

A brand-new, state-of-the-art microscope is further separating UMass Lowell from its peers. The Auriga focused ion-beam scanning electron microscope (FIB-SEM), manufactured by German optics leader Carl Zeiss, will greatly enhance the University's research capabilities in the areas of nano materials and biological sciences.

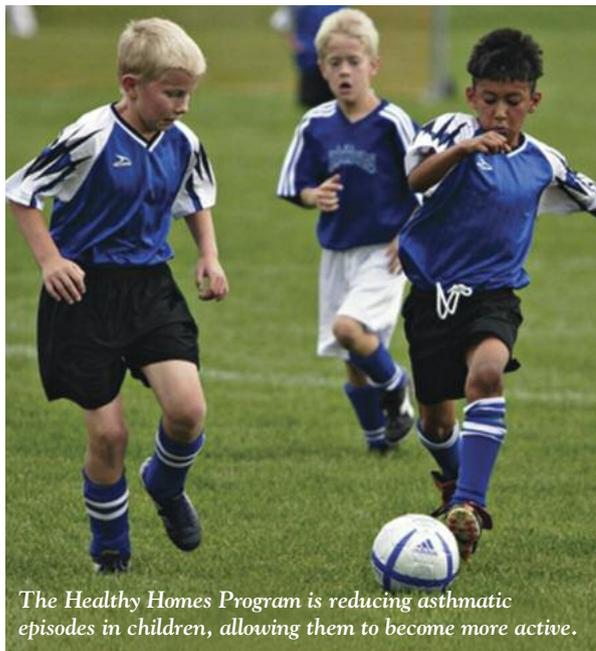
"This Zeiss FIB-SEM system can resolve details as tiny as one nanometer, or a billionth of a meter, and magnify views up to a million times," says Earl Ada, Ph.D., who manages the Campus Materials Characterization Laboratory, where the microscope is located.



UMass Lowell's brand-new Auriga focused ion-beam scanning electron microscope made by Carl Zeiss is located in the Materials Characterization Laboratory on North Campus.

"It offers the highest resolution in scanning electron microscopy today," he says. "UMass Lowell is one of only a handful of educational institutions in the Northeast that has this advanced capability."

The purchase of the \$1.3 million microscope was made possible by a \$1.15 million grant from the National Science Foundation (NSF). The University shouldered the rest of the cost.



The Healthy Homes Program is reducing asthmatic episodes in children, allowing them to become more active.

PROJECT FIGHTS ASTHMA

UMass Lowell researchers and community health workers have won a round in the fight against childhood asthma, thanks to The Healthy Homes Program. Funded with grants from the U.S. Department of Housing and Urban Development, the team recently released test results from its first two years of work to identify and eliminate asthma triggers in the home.

The findings? The team's efforts prompted a significant drop in the number of times a child experienced wheezing, had an asthma attack or trouble breathing, or visited a doctor's office or clinic for asthma problems.

"I was pleasantly surprised by the positive results and measurable improvements," says David Turcotte, the research professor who directs the

Healthy Homes Program. "These were significant changes."

Turcotte attributes the project's success to its intensive, multivisit approach. Two-person teams—a community outreach worker and UMass Lowell researcher—visited each household to explain the study and conduct an environmental assessment. The team then arranged for necessary interventions, from instituting pest management to arranging for repairs, industrial cleaning or installation of hardwood floors in place of carpeting. Four or five home visits over a one-year period helped families maintain their efforts.

More than 75 staff members of partner organizations have been trained on how to incorporate Healthy Homes knowledge and intervention during their own visits. In-home day care providers also received training. Partners include the Lowell Community Health Center, the Coalition for a Better Acre, Community Teamwork Inc., the Lowell Housing Authority and the Merrimack Valley Housing Partnership.

AWARDS & GRANTS

History Prof. **Robert Forrant** and Economics Prof. **Carol McDonough**: \$10,000 from the Verizon Foundation to continue a UMass Lowell partnership grant to expand access to high-speed Internet access for underserved populations.

Biology Asst. Prof. **Jessica Garb**: \$294,656 from the U.S. National Institutes of Health to research how the venom of black widow spiders became so powerful.

Asst. Prof. **Nancy Goodyear** of Clinical Laboratories and Nutritional Sciences: \$20,000 from the Toxics Use Reduction Institute to evaluate disinfection in homes and hospitals, with

a goal of limiting worker exposures to toxic commercial disinfection formulations.

Biology Asst. Prof. **Rick Hochberg**: \$598,976 from the National Science Foundation to study the biodiversity of the Cayman Islands, which has led to identification of a new species of worm.

Physics Prof. **Silas Laycock**: \$56,707 grant by the Smithsonian Astrophysical Observatory to study X-ray binary star systems in IC 10, a dwarf irregular galaxy 2.2 million light-years away in the constellation Cassiopeia.

Asst. Prof. **Ramaswamy Nagarajan** of Plastics Engineering: \$20,000 from the Toxics Use Reduction Institute to test safer surfactants for laundry detergents.

Physics Assoc. Prof. **Viktor Podolskiy**: \$261,265 from the National Science Foundation to develop a new approach to camera imaging and focusing of light to improve resolution and eliminate the need for components like lenses and mirrors.

Assoc. Prof. **Daniel Schmidt** of Plastics Engineering: \$20,000 from the Toxics Use Reduction Institute to develop and test a safer formulation for adhesives based on plant oils and other nonhazardous ingredients.

Chemical Engineering Asst. Prof. **Seongkyu Yoon**: \$150,000 from the UMass President's Office Science and Technology Initiatives Fund to create a biopharmaceutical process and quality consortium.

'We're Just Getting Warmed Up'

By Geoffrey Douglas



Women's Coach Makes Rowers of Middle-Schoolers, Wins Races Along the Way

“I feel like I've spent my whole life preparing for this,” says Veronika Platzer. This from a woman who already, at 48, has prepared for, faced and surmounted more challenges than most of us will ever consider.

Three-time NCAA discus champion. NCAA Female Track and Field Athlete of the Decade. World Cup rower. Coach of the U.S. Junior National rowing team. Coach of the NCAA National Champion University of Virginia Women's Four rowers. Gold medalist—with UMass Lowell alumna Ginny LaFreniere '81—in the 2010 FISA World Rowing Masters Regatta. And, for the past four years, head coach of the UMass Lowell Women's Rowing Program.

Still, it is something else altogether for which, she says, she has spent her life preparing.

Last summer, if you ever happened to be out on the Merrimack River on a weekday morning, you might have seen an oversize, ungainly but nearly untippable, flat-bottom boat—they call it the Barge—packed with a crowd of 12- and 13-year-olds, laboring over their oars. This was Platzer's brainchild: Year One of the UMass Lowell youth rowing program, designed to bring the basics of what Coach Platzer says too many still see as an “elitist sport” into the lives—and hearts—of the city's middle-schoolers.

“It's a hard sport to support,” she concedes. “It's expensive, for one thing. And the community-members have every right to ask, ‘Just what is this doing for me?’ Well, I'm trying to create a community rowing center—both to teach the sport and to make it accessible—not just for NCAA athletes, but for everyone who wants to learn, for citizens of the world.”

And so, working with Cheryl Saba, athletic director at the Ste. Jeanne d'Arc School, Platzer launched the new program at the end of the school year in June, drawing roughly 100 kids by summer's end. The cost for the four-day program was \$50 per student; David Cormier, president of the UMass Lowell men's crew, served as coach. At the end of every week's program, he told a reporter in July, he'd have several kids approach him to ask “if there was some high-school team or club they could join. Some of them even said they [wanted to] come back and row for UMass Lowell someday.”

“Giving our athletes [like Cormier] responsibility for coaching is an important piece of the program,” says Platzer. “It instills in them a real love, and respect, for the sport. It teaches the importance of doing things with purpose.”

“I'll tell you, I'm as proud of this program as I am of anything I've done with women's crew.”

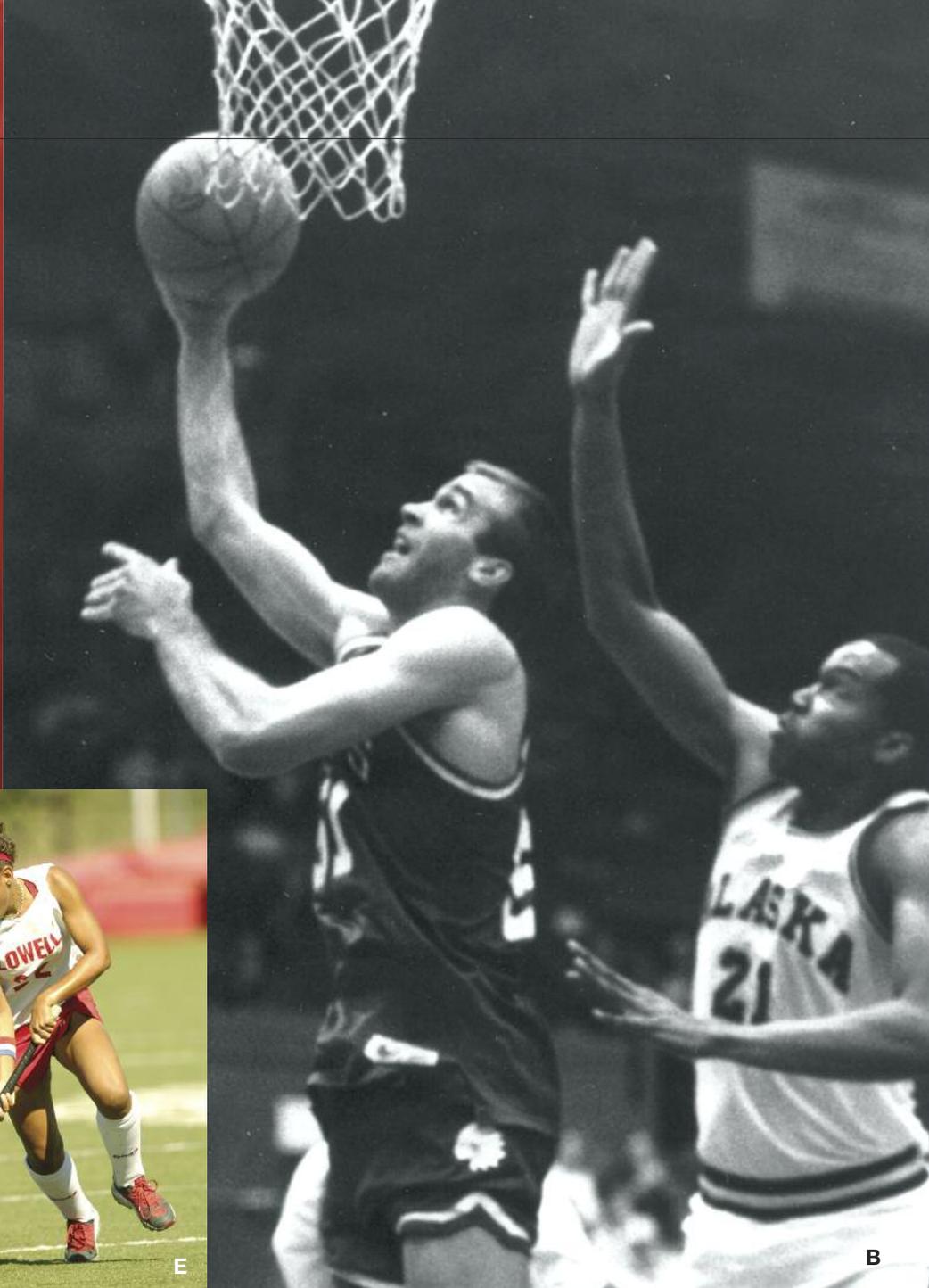
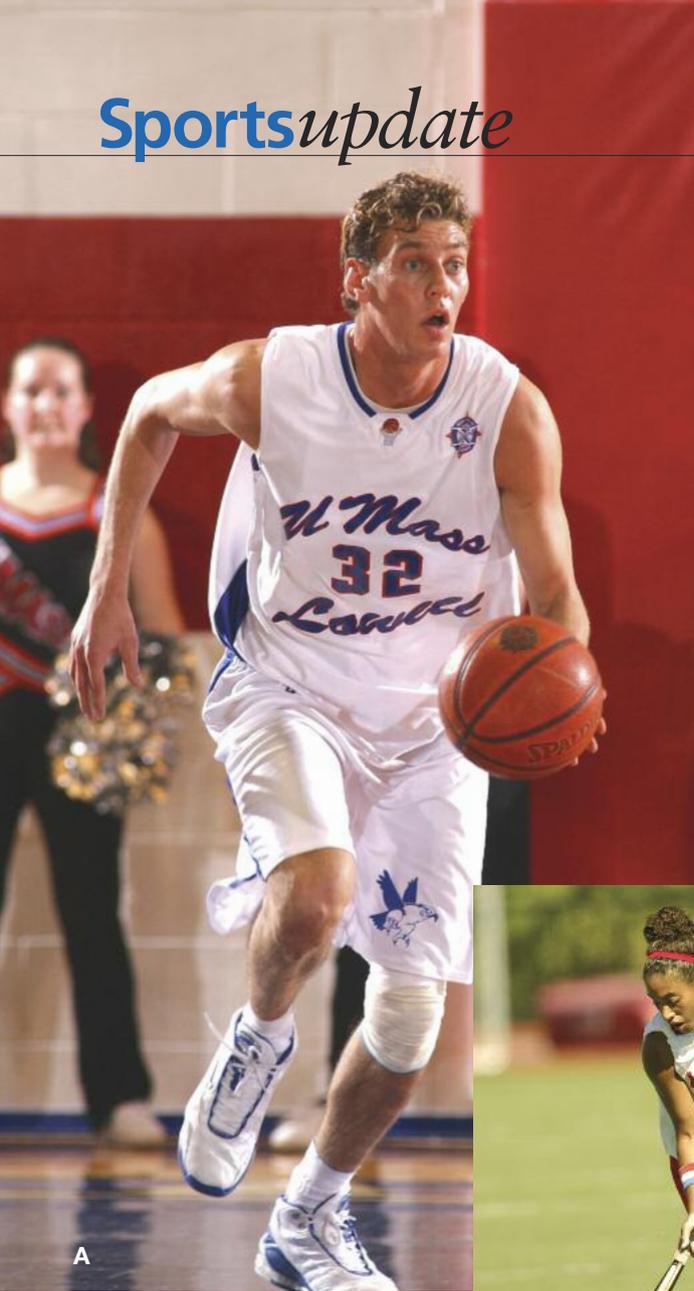
That's saying something—there's a lot to be proud of when it comes to women's crew.

A program that didn't have enough rowers to fill an eight-woman boat when Platzer arrived four years ago (following a \$1 million-dollar infusion of state funding for renovations to Belle-garde Boathouse in 2007, women's crew last year made the move to varsity status), now boasts a Varsity Eight as well as a Varsity Four—fulfilling the NCAA standard—with a Novice Four to serve as a feeder for the future. At this fall's 32nd annual Textile River Regatta—with 650 boats, the largest one-day rowing event in the United States—the Varsity Eight placed third, just 16 seconds behind the winning boat; in the women's novice sculling division, first-year student Erinn McLaughlin captured the program's first-ever gold medal.

The next challenge, as of press-time for this magazine, was to be the Head of the Charles regatta in Cambridge—with 56 events and more than 1,700 boats, among the largest and most prestigious in the world—to which UMass Lowell had been invited.

“I don't expect us to win anything this year,” Platzer conceded two weeks before Race Day. “We're still in a building mode. But in two or three more years? Look for us to have a very real chance.”

“Stay tuned. We're just getting warmed up.”



'Soaring With Pride'

By David Perry

E F F O R T L I F T S A W A R E N E S S

Meticulously curated and stretching along the long front lobby of Costello Athletic Center, the display of individual prowess is staggering. An Olympic silver medalist, a four-time Stanley Cup winner, All-Americans, record holders, outstanding student-athletes, even a father and son known for different sports in different eras.*

The father, a baseball pitcher and batting champ from 1955 to 1959 named Leo A. Parent, put up numbers that still make UMass Lowell Athletic Director Dana Skinner smile.

"Guy pitches 225 innings and strikes out 392." He pauses. "Imagine that."

The son, Leo J. Parent, played basketball here from 1986 to 89, and was named Most Outstanding Player of the 1988 NCAA Division II Final Four.

Skinner wants everyone to digest all of the individual accomplishments in the context of pride—they all happened at the place now called UMass Lowell. The "Soaring With Pride" display is intended to mend what Skinner calls "a disconnect," thanks in part to the name changes over the years. From Lowell Technological Institute, to Lowell State College, the University of Lowell and UMass Lowell, each era is represented as a way of creating one brand.

"We've come to understand that who we are is who we were," says Skinner, quoting John Quincy Adams, from his U.S. Supreme Court argument in the "Amistad" case.

And we have been good. Fairly amazing, in some cases. Consider the coaches.

Hockey coach Bill Reilly took the team from frozen folly to three Division II national championships over the course of 22 seasons (1969-91). Logging 363 wins, he also oversaw the team's transition to Division I and Hockey East.

Meanwhile, Jim Stone's tenure as baseball coach from 1966 to 2003 wasn't just a matter of longevity. Stone also amassed an 801-393-7 record.

Similarly, George Davis coached the University's cross country/track and field team from 1970 to 2002. He led the 1991 men's cross country team to a national title and during his tenure 78 All-Americans and 34 New England champions emerged from the ranks of Lowell's teams.

Shannon Hlebichuk wasn't just an outstanding field hockey player from 1994 to 1998, she was the University's first-ever NCAA Massachusetts Woman of the Year in 1997-98. After coming back to coach, she led the River Hawks field hockey squad to national titles in 2005 and 2010.

And sometimes it was the movers and shakers who broke through barriers.

Denise Legault and Claire Chamberlain began and nurtured women's sports at UMass Lowell (then Lowell State College), beginning in 1972 with volleyball, followed by basketball, tennis and softball.

But with all of the accomplishment, there was also a question of identity.

"I've been here 25 years now, and I've heard so many people talking about Lowell Tech, Lowell State, U of Lowell," says Skinner. "And there was a disconnect between people from different eras. Our goal here in everything we do is to make the University a better place to be, and a better place to be from."

Four years ago, five alumni approached Skinner. Bob Boehm, Gary and Jim Hunt, Hank Brown and Skip Roper asked him to support a fund-raising campaign for a trophy case named for Jim Ciszek and Rusty Yarnall. Legends of Lowell sports, the pair were each longtime coaches at various incarnations of the University, as well as UMass Lowell Hall of Fame members. The trophy case was the seed from which grew the Soaring With Pride campaign.

In addition to Costello, there are displays in the Tsongas Center and throughout other athletic buildings. It's been a year since the displays were hung, and Skinner says he's heard great feedback.

"Sometimes, at sporting events, I see people standing in the corridor, looking at the photos and reading the captions—captivated by reading about the past," he says.

**So who are these folks? They are among the best to emerge from the University's locker rooms. The Olympic silver medalist is Shelagh Donohue, who rowed here from 1984 to 1988, and earned the silver at the 1992 Olympics in Barcelona. The four-time Stanley Cup winner is Craig MacTavish, who played hockey at Lowell from 1977 to 1979 before beginning a long pro career with the Boston Bruins. All-Americans are numerous, but they include Ruben Sanca, who ran cross country and track and field from 2005 to 2008. In addition to being a four-time All-American, Sanca was a three-time New England champion. ■*

**"OUR GOAL
HERE IN EVERY-
THING WE DO
IS TO MAKE THE
UNIVERSITY A
BETTER PLACE
TO BE, AND A
BETTER PLACE
TO BE FROM."**

— Dana Skinner

Photos on Page 18

- A. Elad Inbar '04
- B. Leo Parent Jr. '89
- C. Nicole Plante '07
- D. Leo Parent Sr. '59
- E. Joanna DaLuze '06



Sole Man

By Chris O'Donnell

Runners Collect Shoes for Third-World Countries

When UMass Lowell junior Steve Fitzsimmons cleaned out his closet earlier this summer, he was overwhelmed by the number of old running sneakers he found. He counted 26 pair from high school and his first two years of college.

Fitzsimmons didn't want to just throw them away. By a distance runner's standards, they were tired, flat. But surely someone somewhere could use them. So he did a search online for donating used running shoes, and found a website called www.soles4souls.org. He was moved by the videos and photos.

"There was one child who was wearing his mother's shoes because those were the only shoes they had for the whole family," Fitzsimmons says.

The images stuck. The biology major thought about it more and did some math. He runs 85-90 miles in a typical week. The longevity of a pair running shoes is about 500 miles, so he figures anywhere between six to eight weeks, he needs a new pair.

"And I'm just one of 20 to 30 athletes on the men's [cross country] team," Fitzsimmons says.

The Methuen native factored in the 11 other women's and men's teams at UMass Lowell. The potential was overwhelming.

Over the summer, Fitzsimmons brought the idea to Joan Lehoullier, UMass Lowell's senior associate director of athletics who oversees the Athletic Department's fundraising and community service efforts. Usually, Lehoullier is the one pitching the community service ideas to UMass Lowell's athletes.

"I'm always excited when a student-athlete comes to us with an idea for community service," Lehoullier says, adding that she immediately registered the University as a drop location via the Soles4Souls website. Soon after, the collection boxes arrived.

At the 2011 annual River Hawk Games on Sept. 11, Lehoullier introduced the effort to UMass Lowell's 250-plus student-athletes: "A lot of kids came up to us right away and said it was a great idea," she says. "Once you get them started, they're on board. They're all looking for a way to help."

Four days later, the on-campus boxes were overflowing with everything from Texas to Bostonians to Nikes. Lehoullier and Fitzsimmons will pack them up and send them to one of the 10 Soles4Souls warehouses nationwide where they are cleaned and reconditioned.

"It is something that is relatively easy and does a lot of good," Fitzsimmons says. "These shoes are going to people in third-world countries, in crisis relief situations, people who have never owned a pair of shoes in their lives." ■

Sammy Macy Is Sticking Around

By David Perry

Field Hockey Standout Remains With UMass Lowell

Sitting in a downtown Lowell caffeine emporium, Sammy Macy pushes her sunglasses up onto her long brown hair and takes a sip of her iced coffee. Though the 22-year-old is a new graduate of UMass Lowell, she says she's doesn't plan to stray far.

Macy, recently named the nation's top collegiate Division II female athlete, isn't leaving the University or its field hockey team despite graduating with a 3.12 GPA in criminal justice last spring. The three-time first team All-American worked with the River Hawks as an assistant coach this past fall, after a summer of slinging ice cream at Dandelions in her native Tewksbury.

Macy is the first-ever New England recipient of the DII female athlete award, "which makes it even more special," says Athletic Director Dana Skinner. He credits Macy's "exhilarating play during the team's record-breaking 2011 season" with a large part in the River Hawks' 24-0 record, but also believes the "level of excellence she sustained over four years" was hard-won, the result of great dedication.

In February, she will begin a six-month stay in Australia to play field hockey with a team in Queensland.

Macy says her rifle-like field hockey shot—one of collegiate field hockey's most feared trajectories—was the result of years of playing softball and hockey. Her sharp, quick swing came from softball, while her stick-handling skill sprung from ice hockey. She sometimes played on three teams simultaneously, rendering her father a virtual taxi service.

Macy discovered field hockey as a high school freshman, shortly after she tired of soccer. Field hockey was, she says, "new and fun," and allowed her to put to good use her strong sense of competition. At 5'9", speed and reach are among her offensive weapons.



The 2005 Tewksbury High School graduate nearly didn't become a River Hawk. She was set to follow her older brother, Brian, to Northeastern, where she would play field hockey with scholarship money, but she opted for UMass Lowell the March before classes began. She sensed she would want "more balance" in her collegiate life than she'd get at Northeastern. Her high school coach suggested she talk to Shannon Hlebichuk, who was all too happy to make Macy a River Hawk.

"She'd come to some clinics I'd run, so I knew her a little bit," says Hlebichuk. "Sammy is such a hard worker, but she also wanted a balance between her work, social and academic lives. We could offer that."

"I found the perfect balance here," says Macy. "I am so glad I came." ■

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Accounting major Georgios Liakakis '14 enjoys the unseasonably warm weather on North Campus this past fall.

From Logan to LAX, From Safety to Security

By Geoffrey Douglas

Chief Operating Officer Steve Martin '78 Reflects on a Changing World

On the evening of Jan. 23, 1982, World Airways Flight 30, a DC-10-30 on its way from Newark to Boston's Logan Airport, skidded on an icy runway, broke apart and slid into the waters of Boston Harbor. Two passengers in the plane's front row were thrown into the water. Their bodies were never recovered.



“Our yearly budget, for security and safety, is in the hundreds of millions of dollars, probably greater than for any other single airport in the U.S. It's just a massive job.”

— Steve Martin '78



World Airways Flight 30 in Boston Harbor



Steve Martin '78, working at the time for the Massachusetts Port Authority, was at Logan as part of the team that investigated the crash. The memory has stayed with him—and informed him—ever since:



“It’s been like this little tape in my mind: ‘Did we do all that we could to prevent it?’ ‘What could we have done differently?’,” says Martin, today the chief operating officer at Los Angeles World Airports (LAWA), in charge of LAX and three other facilities. “The issue in those days was safety; in today’s world, it’s more geared to security. But the mindset stays with you: ‘Did we do this?’ ‘Did we do that?’ Have we done everything we can reasonably do?”

Martin, who’s been COO at LAWA since early 2008, is responsible for oversight of all the airports’ activities: security, administration, IT, budget, operations, maintenance, commercial development and more. LAX alone, he says (the world’s sixth-busiest airport, serving 59 million passengers a year) accounts for roughly 80 percent of his time. Of this, only 15 percent or so is devoted to issues of security. But it’s an incalculably critical 15 percent.

“There’s a high cognizance of this airport as a high-profile potential target,” he says by phone from his office at LAX. “All the federal agencies have a footprint here—the TSA, the FBI, all those—plus the LAPD, the airport police and private security. More people get arrested here than you’d ever imagine. Our yearly budget, for security and safety, is in the hundreds of millions of dollars, probably greater than for any other single airport in the U.S. It’s just a massive job.”

Before 9/11, Martin says, airport security was the provenance of airline contractors, and began and ended in one spot. No more.

“Now the TSA is in charge, the airlines are participants, not leaders, in the security business, and the goal is a layered, continuous surveillance,” he says, adding that this is especially the case at major airports like LAX.

The layers begin with checkpoints outside the airport, then continue inside with bomb-sniffing dogs, patrolling police and TSA agents, and finally the shoes-off, pockets-empty pre-

gate security checks—all augmented by the watch-lists and intelligence gathering that go on out of sight, and the exhaustive, never-ending background checks of everyone from pilots to baggage handlers and maintenance employees.

“It’s an endless, daunting, expensive process,” Martin says. “The passengers, or most of them, are barely even aware of a lot of it.”

Still, for all the sniffing shepherds, patrolling uniforms and sophisticated technology, in the end much of the job comes down to simple judgment calls, he says: “A passenger has a gun in his bag, or illegal drugs—is he a terrorist, a criminal or just a dumb kid? Is he truly a threat, or just a distraction? That’s a decision someone has to make.”

One day several years ago, Martin recalls, airport security officers observed a passenger with a backpack acting oddly. They approached him. “I have a bomb in here,” he told them, and dropped the bag on the ground.

“So what do you do then?” Martin asks. “Do you close the terminal? Do you close all nine terminals? Do you shut the whole airport down? Or is this guy just a distraction? That’s the call that trained people have to make.”

In the end, Martin says, there was no bomb in the backpack, and the crisis was defused. But it might have gone a different way: “A lot of people, including a lot of law-enforcement people, get their adrenaline-rush from reacting to that sort of thing. You can’t be swayed by that. You’ve got to go with the skilled people, the ones with training, who stick with protocol—which [in that case] was to bring in a bomb-sniffing dog, then, if necessary, to get a robot-device to dispose of the thing.”

For Martin, who brings to his job more than 25 years of airport and aviation leadership in both the public and private sectors, it isn’t so much the prospect of another 9/11, as the countless small things that go into preventing one, that keep him awake at night.

“In the end, I guess what I worry about most is that,” he says, “if something were to happen, would I be able to look in the mirror and say I’d done everything I could have done, everything within reason, to keep those people safe?”

“You can’t do it all—you can never do it all. You just aim to get better every day.” ■



Campus Gathers a Decade After 9/11

Memorial Honors Those Lost, Focuses on Unity

By David Perry

“UNITY ASKS US TO REBUILD AND REPAIR — REBUILD TRUST AND REPAIR RELATIONSHIPS ACROSS COMMUNITIES.”

— Campus Minister
Imogene Stulken

A decade after the Sept. 11, 2001 terrorist attacks on America claimed nearly 3,000 lives, UMass Lowell gathered to remember its own family members lost that day.

In the first of a few events planned to mark the anniversary, Chancellor Marty Meehan and 120 students, family members and community officials rededicated Unity, the 9/11 memorial designed by a trio of UMass Lowell students.

Set along the Riverwalk near Leitch Hall on East Campus and originally dedicated May 14, 2004, the circular stone sculpture was designed by UMass Lowell art students Gail Milligan and Rebekah Hermans of Lowell and Janet Wittlinger of Auburn, N.H.

The disc-shaped Unity overlooks the Merrimack River and carries the names of seven UMass Lowell alumni and friends lost in the attacks in New York and Washington D.C.: Douglas Gowell '71, of Methuen; Robert J. Hayes '87, of Amesbury; Brian K. Kinney '95, of Lowell; John Ogonowski '72, of Dracut; Patrick Quigley, husband of Patricia Quigley '86, of Wellesley; former student Jessica Sachs of Billerica, daughter of Stephen R. and Karen D. Sachs, both '69; and Christopher Zarba of Hopkinton, who studied here in the 1970s.

Christian Elwood, a senior finance student and resident of the Student Veterans Association, said the events of 9/11 convinced him to join the Marine Corps. During the ceremony, he read the biography of Ogonowski, a Vietnam veteran and the captain of American Airline Flight 11, the first of the airliners to be plunged into the World Trade Center towers by terrorist hijackers.

The day of the attacks was “many things to many people,” Meehan told the assembled. It was “a tragic day where Americans were brutally murdered, a call to arms and a turning point in American and world history. But above all, it will always be about the more than 3,000 Americans who were killed and the 30 families in the Merrimack Valley who lost a loved one that tragic day.”

However, the Sept. 8 ceremony also served as a rededication to moving forward and mending fractured relationships.

“How can we best honor their memory?” asked Imogene Stulken of the UMass Lowell Campus Ministry. “How might each of us commemorate this day with service? Unity asks us to rebuild and repair—rebuild trust and repair relationships across communities. Say to yourself when you visit, ‘to bring more peace to the world, I will...’” ■

Want to Stay in Touch?

4 Simple Ways!



1.

Alumni Network

This simple social networking site on UMass Lowell's website helps connect alumni to each other.

How to: Visit www.uml.edu/alumni.

2.

Facebook

Find long-lost friends, learn about events on campus and discover how to become an active part of UMass Lowell's growing River Hawks community.

How to: Go to www.facebook.com/umasslowellalumni.

3.

Twitter

Get updates about the University and alumni events — in 140 characters or fewer!

How to: Visit www.uml.edu/twitter.

4.

LinkedIn

Connect with other UMass Lowell alumni and expand your network, post discussions, learn about events and advertise job opportunities.

How to: Go to www.linkedin.com and enter "UMass Lowell Alumni" in the search field. Click "join."



LinkedIn





Raul Raudales sniffs arabica coffee beans as he and Richard Trubey (center) meet with Red Barn Coffee Roasters President Mark Verrochi to discuss the coffee drying process.

'We Could Create Huge Changes'

Brewing Coffee, Saving Forests, Bettering Lives

By Geoffrey Douglas

For Raul Raudales and Richard Trubey, an engineer and a technical writer who met at UMass Lowell as students more than 20 years ago, world change begins with the modest coffee bean.



Their story, like the story of the coffee they produce and the men and women who help to produce it, is a story in many parts: of innovation, technology, travel, teaching, research grants, and years and years of work. But it's as simple in its essence as that little bean at the heart of your morning cup.

It begins with a problem: throughout the countries of Central America, where much of the world's best coffee is produced, roughly 6,500 hectares—16,000 acres—of forest are cut each year to supply firewood for the drying of coffee beans.

"About three square centimeters," as Richard Trubey is fond of translating it, "for every cup we drink." It has been this way, he says, for at least a century.

So might there be a more efficient way? This was the question that Trubey '86 and Raudales, MS '93 began to consider together as students—and have been working on answering for most of the last 17 years.

Not long after they began, realizing they would need an entity through which to funnel their efforts, the pair created a non-profit, the Mesoamerican Development Institute, centered at UMass Lowell, to research new ways to dry the beans—and in the process, to create a more sustainable system. There were a lot experiments, and a lot of false starts.

"We were in the talking stage," concedes Trubey, "for quite a long while."

THE WORLD'S FIRST SOLAR COFFEE

What they came up with, once the talking was done, was a hybrid dryer that converts discarded coffee bean-husks into fuel pellets; these in turn were burned with heat from solar panels to dry the beans just picked from trees. Then came the hard part: taking the new system to the source.

The first piece of funding came from Sandia National Laboratories in New Mexico. Since then, support has come from myriad sources: the Inter-American Foundation, the World Bank, U.S. Fish and Wildlife, the Humanist Institute for Development Cooperation, and—most recently—the National Science Foundation.



MDI's new processing facility in Subirana, Yoro, Honduras. This will be the world's first coffee processing center to be powered entirely with renewable energy.



MDI's high-efficiency drying chamber in Costa Rica. MDI co-founder Raul Raudales is at left.

At this point, there is a dryer in place in a village in Honduras, where a cooperative of 150 farmers are sharing the coffee-production work. Once fully operational, there will no longer be a need to send the beans to remote locations—as far as 200 kilometers away in some cases, says Trubey—to dry in processing centers. The differences this makes can be measured on a lot of scales: better coffee, fewer trees lost, lower costs to the farmer.

"We could create huge changes," Trubey says.

The changes are happening on a second front as well. A five-member consortium of university partners—UMass Lowell, UMass Amherst and universities in Honduras, Costa Rica and Nicaragua—is enabling an exchange program of students and faculty, bringing the principles of sustainable development onto campuses on two continents.

Already, says Trubey, half a dozen engineering students and nearly as many faculty members have made the trip south, where they do their part in bringing the theories of solar energy come to life outside of the classroom.

Meanwhile, the product that results—Café Solar—is coming north: Roasted at Red Barn Coffee Roasters in Upton, it is now brewed and sold in UMass Lowell dining halls, the only coffee brand on the market, as far as anyone knows, produced using industrial solar dryers.

"This is a remarkable, incredibly rare opportunity," says UMass Lowell Professor Emeritus William Moeller, an environmental engineer who has been working with Trubey and Raudales for more than 10 years. "To be able to do all this, at the same time as you advance educational research and expand the prestige of the University—from an educator's point of view, that's about as good as it gets."

For Richard Trubey and his Mesoamerican Development Institute partners, it's barely the beginning:

"We want to create a model, and to keep it growing, until the big companies, the big coffee-makers out there, come around to adopting the process. That's the dream we're working toward." ■

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— William Moeller

Coverstory

Roots and Responsibility

The Generosity of Rob and Donna Manning



By David Perry

Robert Manning looked out over his audience at the Tsongas Center. It was a sea of black, swathed in mortarboards and gowns. As the crowd fanned out, there were parents, siblings and other relatives, friends and mentors.

Manning dressed like the grads. He was one of them.

He was different, too, of course. At 47, he'd just committed to a donation of more than \$5 million toward the newly named Manning School of Business and toward construction of a new school of business building. He hopes to inspire others.

Harvard has a long line of folks writing checks, he'll tell you, but Manning fears too many others believe that "state schools" are taken care of by the state. "Far from it," he says.

The lifelong UMass Lowell booster and former chairman of the UMass Board of Trustees would like to spark a "pay it forward"-style trend benefitting state universities. He is an ardent fan of the energy and dedication Chancellor Marty Meehan has brought to UMass Lowell.

And he married the former Donna Brown, who seemed destined to partner with Manning from the moment they met at Methuen High School. Growing up on a small farm in Methuen, Donna saw philanthropy before she knew it had a name.

In his May 28 commencement speech to the largest class ever to graduate from UMass Lowell, Manning spoke as one of them. Manning '84, knew exactly how they felt.

He drove to Lowell from Methuen in 1981 in a car his parents had bought for him, not sure what to expect but ready to buckle down. He forged a steely determination to get everything he could from the college's finance classes, earning a degree in business administration. Just for good measure, he added a minor in computer science. He did it all in three years.

After graduating, he got a job analyzing speculative grade debt at MFS Investment Management in Boston. The company was noted for establishing the first mutual fund. It turned out to be a good match for Manning. Now, as CEO and chairman of the global money management firm, he oversees \$224 billion in assets and 1,650 employees.

Manning is among the most accomplished of the University's graduates. Still, he wanted the Class of 2011 to know he had once been in their shoes. He assured them their accomplishments lay ahead, thanks to the preparation they got at UMass Lowell. They're ready for life, he told them, for work, for the world.

Preparation trumps luck, he told the Class of 2011 in a 14-minute commencement address: "You don't need good luck. The people you are going to compete against need it."

PAYING IT FORWARD

At home in Swampscott, Rob and Donna Manning and their black Labs, Rose and Willie, survey a very different scenario. From the dining room, the Atlantic Ocean is a reminder of how tides change, the water lapping at a seawall on the edge of the stunning property. Days earlier, Hurricane Irene tossed sea spray hard against the windows.

"An amazing show," says Manning of Irene's bluster. "You couldn't even see out there." He waves a hand at the windows showcasing a widescreen view of his vast watery backyard neighbor. This morning, a lobster boat bobs in the sunshine along the jagged coast.

Manning's life in finance has made him no stranger to shaping order from chaos and calm from tension, though the seaside Swampscott house is for "getting away from" stress, he says.

The well-equipped gym downstairs, the state-of-the-art sound system and the movie area are designed as refuge for the couple. They're up at 4:30 a.m. to exercise and usually in bed by 9:30. There's little time or yearning for TV. To really get away, there's a house in Bretton Woods, N.H., where Mt. Washington looms in the distance and ski trails beckon the Mannings, who are avid skiers and love to snowshoe.

Donna Manning '85, '91 also received an honorary degree at commencement. Donna, who earned nursing and master's of business administration degrees from UMass Lowell, has been an oncology nurse at Boston Medical Center for the past 27 years. She donates her salary to the hospital.

The Mannings previously endowed scholarships for business and nursing students, but this runs deeper. Donna says they usually don't like the fuss that surrounds philanthropy, but the notion that this donation might inspire others convinced them to shed anonymity.

Married 25 years, the Mannings are bookends, a pair. Soulmates. It's been that way since they went to high school together in Methuen. They'd seen each other in

Continued



Donna '85, '91 and Rob '84 Manning each received honorary degrees at the University's 2011 Commencement.



Rob Manning spends his days at 500 Boylston Street in Boston, home to MFS Investment Management.

“MY PARENTS DIDN’T GO TO COLLEGE, BUT IT CLEARLY MEANT A LOT TO THEM THAT WE COULD GO, AND WE DECIDED AT THIS POINT IN LIFE TO PAY IT FORWARD.”

— Donna Manning

passing, and in a class or two, but didn’t begin dating until they were seniors. That was 31 years ago. They’ve just never stopped.

They are childless “by design,” he says. “Our lives are so intense, that to do the few things we do outside of work, we need time with each other. And we knew it would be this way.”

Rob credits Donna with nudging him toward philanthropy.

“She’d give away everything I have if I let her,” he says, smiling.

Growing up, Donna only associated philanthropy with rich people. But she was part of it when she was 12, after the barn at the farm next to her parents’ farm burned to the ground. She and her dad loaded their pick-up truck with bales of hay. They drove them next door so the surviving animals could eat. She spent the better part of that summer bailing that hay with her dad.

“I was surprised how easily he gave it away,” Donna says, since we would probably run out ourselves.”

She remembers many such kind exchanges with neighbors.

“It almost never involved money,” recalls Donna. “Apparently, I was rich back then.”

Rob recalls one day a few years ago when he felt everything was good personally and professionally yet ... something was missing.

“Rob’s parents and my parents made a lot of sacrifices to send us to school,” says Donna. “We appreciate that, and try to pass it on to help those who need it. My parents didn’t go to college, but it clearly meant a lot to them that we could go, and we decided at this point in life to pay it forward.”

UMass Lowell offered quality of education at an affordable price, says Donna.

“Financially, I was able to work and pay for college, semester to semester,” she says.

Rob says he joined MFS with folks with pricey, prestigious sheepskins under their arms. His UMass Lowell education served him well. He ascended “not because I was smarter or worked harder, but because I was better educated than they were.”

When the Mannings decided to give to UMass Lowell, it was in part because of how comfortable they were with Meehan’s leadership.

‘WE HAVEN’T SEEN THE BEST OF ROB YET’

“I’ll tell you one thing,” says Kevin Perry, an adjunct professor of finance on and off from 1978 to 83. “There is no lacking for IQ points in that home.”

Rob Manning walked into Perry’s class “genuinely interested in the material, to the point where he wanted not just to learn it, but to *dominate* it,” says Perry, who returned to Boston-based Loomis Sayles Co. L.P. as a money manager in 1983.

“Listen,” he says, “Lowell is a place where working kids bust their asses trying to make something of themselves. I was pretty intolerant of people who were not there to learn. But Rob was exactly the kind of student you’d hope you’d have. It’s hard to look at someone and say, ‘He’s going to be CEO of a major financial company.’ But with Rob, you could think, ‘This is the kind of person with the ability to excel.’ He is still not arrogant in any way, but you could tell he was going to do something significant.”

As with other former students, Perry stayed in touch with Manning, at one point living up the street in Swampscott. He got Manning the job interview at MFS.

Perry imagines Manning will be active with his business school investment:

“I think Rob is committed to what is going on in the classroom. Some major institutions treat their undergraduates atrociously. That is not acceptable to Rob. He looks at Lowell and sees enormous opportunity. He values people who are smart and can hit the ground running, and a faculty that is committed to active partnerships in the business world.”

He pauses.

“I think that, quite frankly, we haven’t seen the best of Rob yet.”

FROM FOOTBALL TO FINANCE

Until he arrived in Lowell, academics hadn’t been a centerpiece of Rob Manning’s life, as they had Donna’s. He’d been a high school jock, captain of the Methuen High



Rob Manning received a Circle of Distinction award from Chancellor Marty Meehan, left, in October. See related story on page 40.



Rob Manning '84 delivered the commencement address in 2011—the largest class ever to graduate from UMass Lowell.

Rangers football team, playing middle linebacker and guard.

He was popular and “didn’t have any interest in grades or where they could get me,” he says.

“I had a lot of fun playing sports,” he explains. “But Donna was a good example for me.”

Manning says he initially chose UMass Lowell “because I had a lot of friends here and it was close to home.”

He had long been drawn to the world of finance, and quickly honed a focus on college academics. He was so driven he took eight to 10 classes a semester.

The couple point to a foundation built from “extraordinary” role models. Rob’s parents, Dick and Dolores, worked hard, especially to make certain he made it to college. His father worked for 38 years at Raytheon Corp., earning his engineering degree at age 45, from Fitchburg State. Part of his career was spent working on the Patriot Missile project.

Donna and her sisters were also first to attend college in their family. Her father, Frank, was a machinist.

“They gave us values, including working for everything you had,” says Rob. “They taught us that work gives you a sense of pride, a feeling of being accomplished at something. And they taught us honesty and integrity. And they gave me the greatest gift in the world, an education. That’s what drives us toward UMass Lowell with philanthropy. We both lived at home, and we couldn’t afford to go just anywhere. It was up the street and it turned out to be an excellent school.

“Most private universities are research-driven. The professors have to publish articles, and that’s what they’re worried about. At UMass Lowell, it’s always about the students. I had phenomenal professors who were hands-on. Every one of them truly cared about the students. They put their energy and passion into their teaching. It was amazing. And there was a lot of opportunity to meet with your professors one-on-one. It wasn’t a case of, well,

I guess I could ... they were there *every time*. They brought so much real-world experience into the classroom. There was just a culture of caring about students and being around when you needed them. I hope that still exists.”

‘ONE OF LIFE’S GREATEST GIFTS’

Manning’s soulmate helped him see what was missing. She always has.

“Donna always puts everyone else’s needs before her own,” he says. “Part of what has driven our philosophy is her belief that helping others is something you do. I’ve been lucky enough to make good money. Some folks are born with a bad hand of cards and we have a responsibility to help.

“Listen, I saw what UMass Lowell did for me. Affordability and accessibility are two of the greatest gifts students can have in an education, and an education is one of life’s greatest gifts. So I figured it was time to give back money to other people. I have all I need with Donna and we have all we need and more.”

When word broke of the Mannings’ donation, the reaction was satisfying.

“The outpouring of people, you just would not believe,” says Manning. “Not just people from UMass Lowell but from around the state. Emails, handwritten notes, conversations with people. It’s a case of trying to get individuals and groups to give back. That’s our challenge.”

Rob Manning wanted to tell the graduates what they really got from UMass Lowell.

“Not only did you learn the subject matter and pass the tests,” he told the Class of 2011, “you learned how to be great human beings.”

Maybe they didn’t know it yet. Maybe he was the first to tell some of them that. But it’s clear Rob Manning believed in them. He was, at least that day, one of them. ■

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— Rob Manning

New Building for the Manning School: ‘The Critical Catalyst’

Roughly 15 months from now, in the spring of 2013, ground will be broken on North Campus for what will be the third jewel in the University’s evolving crown of new construction: a new building to house the newly named Manning School of Business. The school will take its place adjacent to the also-new Emerging Technology and Innovation Center (ETIC), on the site of the present Eames Hall.

The planned site, says Manning School of Business Dean Kathryn Carter, will enable business students and faculty—already located on North Campus—to continue working closely with those in science and engineering programs.

The new building for the Manning School of Business will complement the ETIC and the new, \$40 million Health and Social Sciences Building on South Campus, both of which broke ground in 2011—the first new academic buildings to arrive on campus in more than three decades. At 65,000 square feet, with a bold, tiered façade rising four stories overlooking University Avenue, its cost is estimated at \$30 million, roughly a third of which will be raised from private sources, according to Steven Rogers, senior major gifts officer in the University’s Advancement Office. The single largest endowment, \$5 million, is the result of an endowment from Robert and Donna Manning, both UMass Lowell graduates (see accompanying story), whose name the School will carry.

Other major donors to the new building’s construction include Richard Grande ’72, senior vice president at Morgan Stanley; Kathleen Allen ’77, formerly vice president of Millipore Corp. and James Regan ’88, CEO of Digital Credit Union. As of mid-September, more than \$1 million of private funding had been raised—in addition to the \$5 million from the Mannings—with another \$10-12 million being sought from the School’s alumni and friends. While the business school will carry the Manning name in recognition of the couple’s gift, the building itself—and very likely some of its features—will be named to recognize one or more other donors.

“Its coming is long overdue,” says Morgan Stanley’s Grande, “and couldn’t possibly be more welcome. Along with other things, it’s likely to attract additional strong faculty, which in turn will attract better students. The result

of this, over time, I think will be predictable—a marked upgrade in the visibility, quality and culture of the business school, and of the University in general.”

The Manning School’s dean is another who believes, like Grande, that the building will play an inestimable role in ushering in a new era:

“The construction of an appropriate and competitive professional business school as a home to our activities is the catalyst that will visibly advance us,” says Carter. “We’ve been at a tipping point for a few years now—actively improving our faculty and student profile, developing new, relevant academic programs, expanding and deepening our corporate partnerships and adding experiential learning opportunities for our students.”

Even before the announcement of the Mannings’ gift, says Carter, the college—which has graduated more than 13,000 students in its 53 years and carries an annual enrollment of roughly 2,200—was already well into the process of a strategic realignment. At the undergraduate level, the School has increased its honors opportunities, expanded its study-abroad opportunities and added research scholarships—at the same time expanding and formalizing its students’ options for experiential learning. Undergraduate enrollment, as a whole, will remain stable; the freshman class will be slightly smaller and more selective.

At the graduate level, a planned shift in student population—to be achieved through the addition of the master’s program in Innovation and Technological Entrepreneurship, the launch of the full-time, day MBA program and the fall 2012 kick-off of a master’s program in accounting—will result in a significant expansion of master’s level enrollment.

Also, and most importantly, says Dean Carter: “We expect final approval of our Ph.D. in business administration, with concentrations in technology management, international business, finance, MIS and leadership. This program should launch within the next two years, with an entering class of nine full-time and nine part-time students.”

This improved enrollment profile, the dean says, with its larger graduate enrollment and better-quality undergraduate population, “will



Donna and Rob Manning visit with Kathryn Carter, center, dean of the Manning School of Business.

support our ongoing efforts to recruit high-quality faculty and students and strengthen our research capabilities.”

The new building will provide the features and spaces required for a competitive business school today. On its ground floor alone: a fully active trading room, enabling students and faculty to conduct real-time research on global companies, industries, economies and currencies; a business development center, located very visibly nearby, to serve as a hub for interactions and active group learning; as well as a home for a limited number of incubator companies. And anchoring it all, a coffee shop/meeting space, located within sight of both the trading room and the business center—allowing for collaboration, networking and socialization.

“I believe the first floor of the new building will be an energetic destination space for many students and faculty on North Campus, perhaps the most vibrant space North Campus has ever seen,” says Carter.

The upper floors will be no less impressive: office space for faculty, staff and graduate students; work space for undergraduates, classrooms and meeting spaces for faculty and students—as well as dedicated space for various student initiatives, such as the honors and study-abroad programs.

“The new building,” says Carter, “will reflect and support our priorities for high-quality education and research, student and faculty interaction and interdisciplinary, experiential learning. I see it as the critical catalyst to propel us to excellence.” ■

The Kindness of Strangers

By Sheila Eppolito

Surprise Donor Gives Haitian Student the Opportunity of a Lifetime

Pouchon Jean Amazan isn't a gambler—he is, instead, a logical man of science. But even Amazan has to admit that the chance encounter 30,000 feet up in the air that changed the course of his life was an astounding stroke of luck.

Amazan—the son of Haitian farmers—showed promise in math and science early on, catching the notice of private school instructors and one compassionate scientist—Prof. Bob Giles—from the United States. Giles joined his daughter as a chaperone on her youth group's trip to Haiti in 2003, and was forever changed by what he saw.

"Haiti is the poorest and most densely populated country in our part of the hemisphere," says Giles, chairman of the Physics Department. "Aggravated by soil erosion, drought and famine, the country has been identified with fourth world status by the International Banking System."



Haitian student Pouchon Jean Amazan, third from left, meets his benefactors Cumberland Farms Director George Haseotes, second from left, and Kristen Williams, right, who learned about Amazan during a plane ride with Prof. Bob Giles, far left.

Despite the brutal conditions, Giles saw possibility in the faces of the Haitian people, and set his mind to doing something to help.

Amazan is but one of dozens of students Giles has supported—educationally and financially—since his life changing trip. Giles met Amazan through a network of American colleagues, travel companions and advisors in Haiti. He provided mentoring—and personal investment—for Amazan for five years before encouraging him to apply to the University to pursue a degree in physics.

Amazan was accepted, but fell \$8,000 short of the funds he'd need to attend.

Enter Kristen Williams.

Fresh from a cruise with her children with several stops in countries that struggle to meet basic needs, Williams, who was "disgusted by the contradictory overall excess and waste of food on board ship," struck up a conversation with the man in the airplane seat next to her.

"We got to talking, and I realized I was sitting with a prestigious educator who was committed to training young people to change the world," says Williams, who, along with husband George Haseotes, runs a charitable foundation committed to improving education.

"My husband's Greek immigrant family founded Cumberland Farms, and through generations of hard work and dedication, the company has enjoyed financial success," says Williams. Cumberland Farms' family founders are quintessential believers in and examples of, the power of hard work and education in realizing success.

Out comes the checkbook.

Williams was so moved by Giles' story—and Amazan's potential – that she wrote a check on the spot. Not for the praise the gift might earn—in fact, she is downright reticent when her generosity is touted.

"My interest in philanthropy is in helping people who can affect real change in the world," says Williams. "When Prof. Giles described the work he does, and the kind of improvements in basic human needs a man like Pouchon can make, it was a no-brainer for us to support the cause."

Amazan has settled in nicely at the University, and is excited about his future. He also was delighted to see snow for the first time, sharing the moment with his mother during one of the calls Giles encourages him to make on Giles' phone.

For Giles, helping dozens of students isn't enough—he's working on developing a University research program to further expand student and faculty involvement in Haiti. As for Williams, she continues her quiet, dogged pursuit of investing in causes and people like Pouchon who can use their minds to improve the world.

"There's something very exciting about helping students get excited about turning problems into solutions," she says. ■

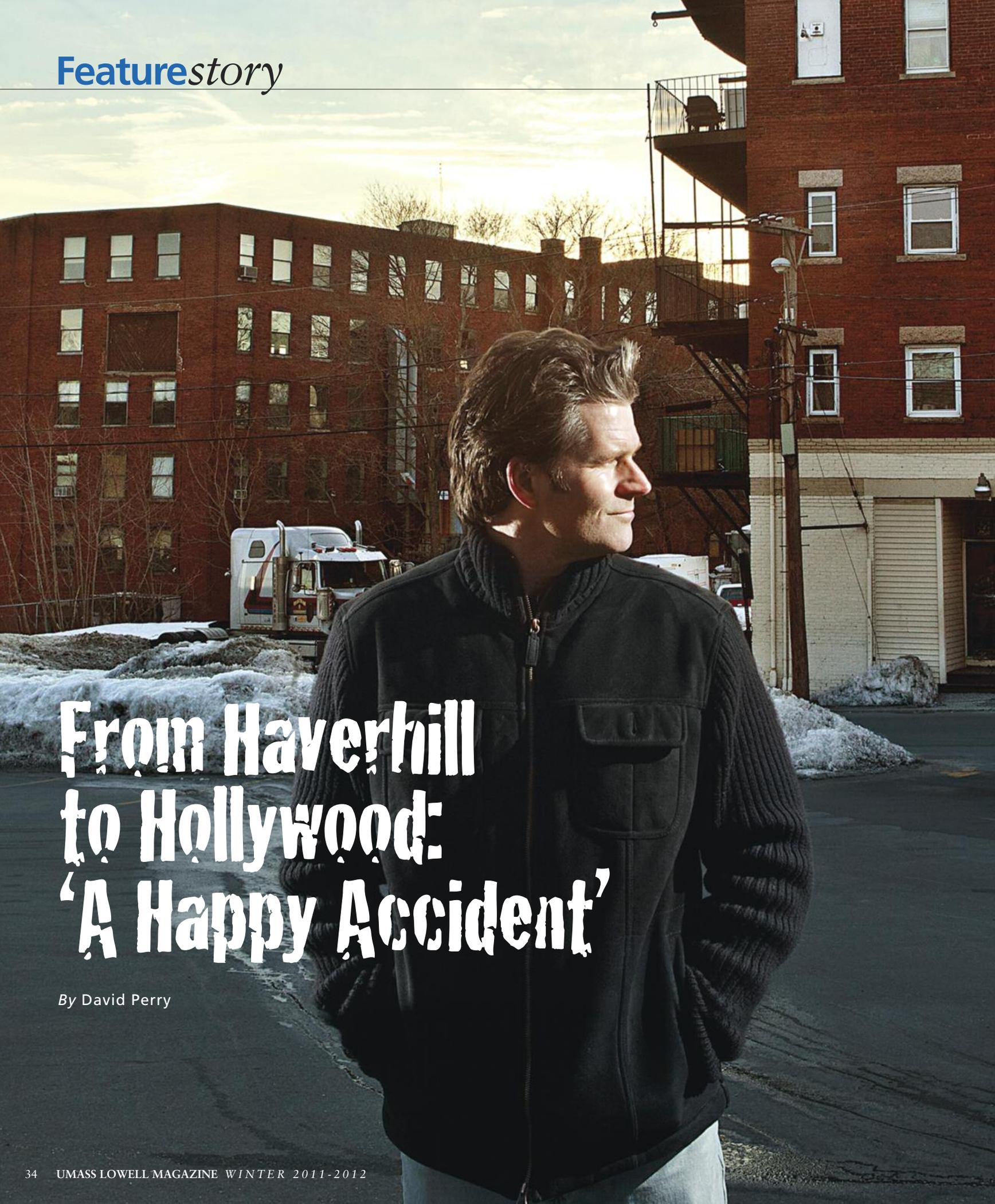


"MY INTEREST IN PHILANTHROPY IS IN HELPING PEOPLE WHO CAN AFFECT REAL CHANGE IN THE WORLD."

—Kristen Williams



Children in Haiti

A man with short brown hair, wearing a dark, quilted jacket, stands in profile on a city street. The street is partially covered in snow. In the background, there are large, multi-story brick buildings with many windows. A white truck is parked on the street behind him. The sky is a mix of blue and orange, suggesting a sunset or sunrise.

From Haverhill to Hollywood: 'A Happy Accident'

By David Perry

Despite Best-sellers and Film Deals, Andre Dubus III Is Staying Put at UMass Lowell

In his youth, author and UMass Lowell English professor Andre Dubus III built his body into a fortress of muscle, blood and tissue. Relentlessly pumping weights and adhering to a strict diet, he carefully cultivated musculature to better proffer violence in the bars of Haverhill and Newburyport. He refined his technique in the boxing ring.

The physical walls he erected hid a scared, bullied and abandoned young man, whose tale is spread across the pages of Dubus' acclaimed memoir, "Townie."

It was in the world of letters that Dubus found his soul, his profession and his obsession. Now 52, still fit and looking much younger, Dubus has built words into a string of best-selling books.

He calls his career a "happy accident." In 2001, he became the University's first Kerouac Writer-in-Residence. For the past seven years, he has shared his wisdom with classes of UMass Lowell students, last semester teaching a pair of Creative Writing classes that meet Tuesdays and Wednesdays.

"I really love being around young people, and I love the Lowell scene," Dubus says. "All kinds of students, including the kind of people I grew up with. I feel attuned here."

Despite a growing fame, a demanding schedule and overtures from other colleges and universities, he isn't going anywhere soon.



BUILDING A LIFE

While gradually building a literary career, Dubus also built a home. Literally. Not just any home, but a 6,700-square foot beauty, near which much of "Townie" took place. A mix of art and athleticism, the home he built with his own hands has proven roomy and sturdy enough to withstand games of football catch from the kitchen into the family room. Its dimensions may be palatial, but the huge living room with the dramatic stone fireplace is built for comfort.

Downstairs is where he writes, in a room five feet wide, six feet from floor to ceiling, 11 feet long and sound-proof.

"The prison," he says, chuckling. "It's like a jail cell."

He sentences himself to write there, six days a week, "until my concentration starts to fade."

He is a proud Luddite, who writes in longhand. He answers emails from time to time, but laughs at the notion of riding the "digital train": "Facebook? Twitter? Ha!"

As Dubus—son of the celebrated short story writer Andre Dubus—has cultivated his career in the classrooms of UMass Lowell, fame and critical and popular acclaim have followed the release of each new book.

"I REALLY LOVE BEING AROUND YOUNG PEOPLE, AND I LOVE THE LOWELL SCENE. ALL KINDS OF STUDENTS, INCLUDING THE KIND OF PEOPLE I GREW UP WITH. I FEEL ATTUNED THERE."

And when Oprah Winfrey named Dubus' "House of Sand and Fog" a selection of her book club, he became even more popular.

He has been serenaded by other colleges and universities near and far to teach their prospective writers. The previous week, he says, stretching out his legs to prop the heel of a pointy boot on a coffee table, a Lone Star State university called waving a Texas-sized offer.

Dubus is flattered but says he isn't going anywhere: "I love it where I am now. UMass Lowell has been great to me."

He still can't believe he made a career of this. He wasn't trying, he says.

His kids attend private school. The house is big, though hardly one that announces itself to the world. His name is big. But a fan of junkyard piano poet Tom Waits, Dubus treats writing like workaday labor. He strives to hang on to his blue-collar roots.

DEATH THREATS AND MOVIE DEALS

In Haverhill, where Dubus grew up, "Townie" is known as "the book." It is a naked recollection that the writer struggled to get right. He even

called old friends and family members to cross-check details.

When he did a book signing there, 600 people showed up. The author says "Townie" has spawned three basic reactions: "I can't believe how perfectly you nailed this place!" is the most pleasant.

"Then there's 'I don't know what Haverhill you're writing about,'" he says. "And the third: threats on my life."

The Haverhill Dubus writes about is one he'll never forget. His roots are there, he explains, and they are excavated in "Townie," which recounts in painstaking detail Dubus' hardscrabble youth in 1970s Haverhill and Newburyport.

A lot has changed since those days.

When Dubus received Chancellor Marty Meehan's Medal of Recognition during last May's Commencement ceremony, he told students not to worry so much about "success." He told them to find something unique about themselves and cultivate it—and then success will follow.

It's a formula that's worked for him.

"Townie" has been optioned for the silver screen by Gina Amoroso, co-producer of 2008's "Revolutionary Road." Amoroso also helped bring "Being John Malkovich" to the big screen in 1999.

Dubus will write the script with a veteran English scriptwriter.

"There's just too much at stake for me not to be involved," he says. "This is me, my family, my friends."

Son Austin is in his first semester at Miami University in Ohio, having left Dubus and his wife of 22 years, Fontaine, with Ariadne, 16, and Elias, 14.

Fontaine is owner and director of The Dance Place, a studio in Newburyport where Ariadne dances. The boys are dedicated "and pretty damn good" baseball players, according to their father.

In a room off the kitchen, Dubus has stacked hundreds of his father's books in vertical piles, as if there are ghosts in the room.

"I finally took them out of storage," he says. "I thought I could give them away, but ..." He couldn't. He will soon build shelves. ■

Saving Lives and Growing Grapes

Forty Years After Graduation, This Chemical Engineer is Still not Slowing Down

His dad was a truck salesman, his mother a psychiatric social worker. It was the late '60s; there were three children in the house, and not much extra to go around. So when the time came to think about colleges, Bob Ward remembers, the decision pretty much made itself.

"I think the tuition [at Lowell Tech] was something like \$200 a semester," he says. "Whatever it was, it was a bargain—which was the number-one factor in my mind."

He had a job on weekends, another in the summers. And the family lived in Reading, which made for a long commute. So between classes, studies, job-time and drive-time, there weren't a lot of hours left in the week. "To be honest," he says, "it was a drag sometimes."

Somehow, though, he found time to pursue two of his passions: the bass guitar ("when I probably should have been studying instead") and a young Merrimack College student named Gail, who was studying to be a microbiologist.

He graduated in the spring of 1971 with a degree in chemical engineering. He and Gail were married three weeks later. Only weeks after that, he began his first real-world job: at the Avco-Everett Research Laboratory in Everett, a division of the Avco Corp. It was the start of an extraordinary career, in a field—biomaterials—that was itself only then getting its start.

He stayed until 1978. By the time he left, as director of research in Avco's Medical Products Division, he had helped oversee the commercial development of a pioneer product: the intra-aortic balloon pump, the world's first, commercially available cardiac assistance device. Still in use today, it has been used worldwide on 3 million people, saving countless lives.

Bob Ward had found his niche—and his next employer: Thoratec Laboratories in Berkeley, Calif., a start-up that designed, manufactured and sold products for heart-failure patients—and that had just completed financing for yet another pioneer product: the first commercial Ventricular Assistance Device (VAD), a mechanical invention used to replace the circulatory functioning of a failing heart.

By the time he left Thoratec 10 years later—as president of its Biomaterials Division—the VAD was in full-scale commercial develop-

ment, well on its way to becoming the world's most popular cardiac-assistance device. Today, Thoratec is a publicly traded, global corporation, with 1,100 employees and yearly revenues of more than \$300 million.

MATTERS OF THE HEART

Ward's next career step was his boldest. In 1989, he founded Polymer Technology Group (PTG). For the next 19 years, as founder and CEO, Ward oversaw the Berkeley, Calif.-based company's growth, guiding the application of PTG polymers and specialty chemicals for use across myriad specialties: in pacemakers, orthopedic implants, catheters, stents, implantable sensors and artificial hearts. Its early work in the development of contact lenses made from a mix of silicone-hydrogel polymers set the standard for such lenses worldwide—and made a fortune for the company.

The world, of course, had taken notice. In the spring of 2008, PTG was acquired by the Dutch giant Royal DSM, a global life-sciences company with 22,000 employees and more than \$6 billion in sales. Ward was asked to stay on as president and CEO of the newly formed DSM PTG.

Yet another major move came at the start of 2011: the chairmanship of the PTG spin-off Emergence, founded in 2007 to provide inventors and entrepreneurs with both technical expertise and initial seed money to bring new medical products to market. It wasn't long before the venture was proclaiming an early success.

ExThera Medical Corp., a company within the Emergence incubator, announced early this summer the development of a new product, Seraph, for the treatment of sepsis (or blood poisoning). While other medical treatments for sepsis rely on antibiotics and are only partially successful, Seraph—based on a blood-cleansing process known as apheresis—aims to empower the body's immune system to fight the disease. Early laboratory studies, Ward said when news of the breakthrough was first announced in June, "strongly suggest the likelihood that [Seraph] may become an effective treatment."

And so it is that, 40 years after earning his diploma as a bass-playing LTI commuter student, Ward has built a name for himself at the very top of his no-longer-new profession:

"Bob Ward is without peer in manufacturing polymeric biomaterials for application in the hostile environment of the human body," wrote James M. Anderson, a Case Western professor and editor-in-chief of the Journal of Biomedical Materials Research.

But his contributions aren't confined to the biomaterials field. The Wards recently committed nearly \$1 million in support of University initiatives. When \$2 million was gifted last year to UMass Lowell to create professorships in science and engineering—part of a \$14 million anonymous gift to the UMass system from the sale of land on Nantucket—Bob was one of five alumni to put up the funds to match it, creating the \$600,000 Robert and Gail Ward Endowed Professorship in Biomedical Materials Development. Gail was born on Nantucket, he says, "so that gives this gift special meaning." He has also given \$250,000 toward funding for the new Emerging Technologies and Innovation Center, creating the Robert and Gail Ward Biomedical Materials Laboratory, and another \$100,000 to create an endowed scholarship fund for engineering students.

"Support for public education is such an important priority," he says. "Public universities are a critical antidote to the concentration of wealth in the hands of a very few, something, I think, that's getting worse as time passes. It's really so important that anyone from anywhere who wants it has access to an education."

Meanwhile, as active as he is, Ward still finds time for the guitar, now as part of a group near his home. But his real passion these days—outside of scouting the life-science companies of tomorrow—is something else entirely: the growing of grapes for Syrah (or Shiraz) wine.

"We bought a house and small vineyard, two years ago, in Orinda [Calif.], where we have about 70 vines," he says. "Gail's even more involved than I am—she's taking courses in viticulture at Napa Valley State College. She good at it, being the microbiologist she is. For me, it's kind of an extension of the beer-making I used to do as a kid. Just more involved, and a lot more expensive.

"It's fun, though. And this year looks like it's going to be a great yield." ■

“Public universities are a critical antidote to the concentration of wealth in the hands of a very few, something, I think, that’s getting worse and worse as time passes. It’s really so important that anyone from anywhere who wants it has access to an education. So whatever I’m able to do toward that goal, I’m happy to try to do.”

— Bob Ward '71

Bob '71 and Gail Ward

KILLING FIELDS SURVIVORS TELL THEIR STORIES

By Sarah McAdams



Raymond Kong, left, and Sidney Tang helped paint a mural depicting Cambodian history at the Bartlett Middle School in Lowell.

UMass Lowell Educators Team Up With Cambodian Students and Their Families for StoryCorps Project

George Tang was 5-years-old when Khmer Rouge leader Pol Pot launched his brutal “cleansing campaign” in Cambodia in the 1970s.

For the next five years, the young Tang watched as the world around him crumbled—as death camps, starvation, executions and mass graves became everyday sights. In that time, an estimated 2 million Cambodian people died, about a quarter of the country’s population; among them many members of Tang’s own family.

Now a 43-year-old accountant living in Lowell, Tang says the painful memories will never leave him:

“I saw people lying down and get shot. You could see people get hacked in the head with an axe. You could see dead bodies—and they smell terrible. You’d see people being whaled, maybe 20 or 100. I saw people killed—I saw it with my own eyes.”

Tang’s teenage son, Sidney—who was named after a character in the film “The Killing Fields”—heard about this for the first time while sitting in a room on UMass Lowell’s South Campus.

He nervously asked his father more questions about the Khmer Rouge, about where he grew up, about family members he never met.

As the elder Tang recounted the gripping stories from his past, understanding dawned in his son’s eyes. This is why you are the way you are, he seemed to think.

And it’s why, more than anything, George wants Sidney to understand this about the United States:

“This is heaven for you. You’re lucky to be born here. Be a productive citizen.”

The Tangs were invited to campus by Pat Fontaine, an assistant professor of history education in the University’s Graduate School of Education.

Fontaine was talking to a friend one day when the latter, a literary specialist at the Bartlett Middle School in Lowell, mentioned that she was worried about a particular group of Cambodian students.

“She said, ‘This is really bothering me ... It looks like these eighth-graders are joining gangs,’ recalls Fontaine. “She said that after talking to them, it was clear that the main reason was that they lacked a certain identity.

“They were born here, and their parents and grandparents haven’t told them anything

about their heritage—especially the time during Pol Pot’s reign.”

Thus, the kids were turning to gangs for a sense of belonging and shared heritage, she says.

A light bulb went off in Fontaine’s head—and a short while later she applied for a UMass Lowell service-learning grant to work with Cambodian children in the Bartlett School, helping them understand their history.

During the resulting after-school program, Fontaine asked the middle-school students if any of their relatives had experienced the horrors of that time (“the majority said ‘yes,’” the professor says) —and whether they would be willing to share their stories with the class.

Three of the Bartlett students’ parents agreed to do so; Tang was one of them.

It occurred to Fontaine that interviews with these survivors might make great additions to StoryCorps, one of the largest oral history projects in the world. The stories—which millions of people listen to every week on NPR’s Morning Edition—are archived in the American Folklife Center at the Library of Congress in Washington, D.C.

And so earlier this year, Fontaine and a team of her graduate students spent a Sunday morning on campus, recording interviews with three men who had lived through the killing fields in Cambodia. Bartlett students each helped interview his or her own father.

The recordings are now archived in Washington, D.C.

MIDDLE SCHOOL AND GRAD STUDENTS TEACH ONE ANOTHER

The after-school program that bore the StoryCorps interviews began when 12 Bartlett students in grades five through eight volunteered to participate because, Fontaine says, “they just wanted to learn about their country.”

The professor, along with a handful of her graduate students who were hoping to teach secondary history upon graduation, met with the students in 10 afternoon sessions to teach them about Cambodia—its geography, historical sites, cultural customs and political history.



“I plan to follow three of the Cambodian students through high school, mentoring them and helping them script their lives.”

— Pat Fontaine

The group had the students read the memoir “First They Killed my Father: A Daughter of Cambodia Remembers” by Loung Ung, and view portions of films like “New Year Baby,” “Monkey Dance” and “The Killing Fields.”

“My students, for the most part, didn’t know anything about Cambodia—and for many of them, this was their first time teaching,” says Fontaine. “So they learned just as much as the Bartlett students.”

Julie Mangan, who graduated in May and is now teaching in Chelmsford, says the experience taught her a lot about considering the cultural perspective of one’s students.

“This was the first time I realized it’s important to consider the students’ personal history,” she says. “When you keep that in mind, you can see them become more interested.”

Following the 10-week program, the entire group of 12 students, with the help of a Bartlett School art teacher, created a mural of remembrance depicting Cambodian history and heritage. That mural hangs in the middle school’s entrance hall today.

The program is over, but Fontaine says her connection the young students is not.

“I plan to follow three of the Cambodian students through high school,” she says, “mentoring them and helping them script their lives.”

Each of the students is close to people in gangs, Fontaine says—whether a family member or good friend—and she wants to help ensure they don’t follow suit.

“I see enormous potential—they’re so funny and so bright,” she says. “They each touched my heart.”

Her biggest hope is that they each eventually attend college—ideally UMass Lowell, and she plans to give each a scholarship if and when that day comes.

The prospect sounds good to her young friend Raymond Kong.

“Going to a great college—that was always my dream,” says Kong, now a freshman at Lowell High School. “My future is yet to be discovered ... the world holds a lot of opportunities.” ■



Circle of Distinction award recipients, top row from left: Gururaj “Desh” and Jaishree Deshpande, Charles Hoff ’66, John Kennedy ’70, George Leahey (accepting on behalf of his mother, Mary Jo Leahey ’37), Mark Saab ’81, Gail and Robert ’71 Ward; bottom row, from left: Vice Chancellor of Advancement Edward Chiu, Chancellor Marty Meehan ’78, Executive Vice Chancellor Jacqueline Moloney ’75, Robert Manning ’84, Deb and James Dandeneau ’80. Not present: Josephine Hoff, Donna Manning ’85, ’91, David Pernick ’41, Elisia Saab and Roy Zuckerberg ’58.

Circle of Distinction

The Few, Whose Generosity Lights the Way



It is a rare thing, in this era of trillion-dollar deficits, default threats and mortgage foreclosures, to hear talk of new economic frontiers. Which makes the news celebrated here in October that much more remarkable.

Today, four years into the chancellorship of Marty Meehan—and thanks in good part to his efforts—there are nearly a dozen high-level benefactors. In fact, fundraising has grown by 84 percent—gifts and pledges have grown by \$7 million since 2007, from \$8.2 million to \$15.2 million.

Ten of the men and women responsible for much of that growth were honored on Oct. 27 at the UMass Lowell Inn & Conference Center. During the Chancellor’s inaugural Leadership Society reception, all 10—whose collective support of the University exceeds \$35 million—were formally welcomed into the University’s newly minted Circle of Distinction, a society of top benefactors who have made generous contributions over their lifetimes.

The support of these 10 donors, much of it recent, has resulted in the creation of many hundreds of scholarships, endowments, professorships and infrastructure improvements—which in turn have directly touched the lives of UMass Lowell students, and will continue to do so for decades to come.

“The generosity of these few men and women has literally transformed the University,” says UMass Lowell Vice Chancellor for Advancement Edward Chiu. “On the strength of their gifts, we are able to achieve goals that will take us to the next level. Their impact on our students, through the scholarships, facilities, professorships and faculty chairs they have endowed, is almost beyond measure.”

Perhaps the most recent arrivals to the group have been Robert and Donna Manning, whose gift toward the creation of a new home for the University’s business school is outlined in the cover story of this issue. Other outstanding examples of support, some of them nearly as recent, have likewise added to the University skyline.

These include gifts by alumni John Kennedy ’70, Bob Ward ’71 and Mark Saab ’81 and his wife Elisia, earlier this year, to finance parts of the University’s new, \$70 million Emerging Technologies and Innovation Center (ETIC), slated to open in the fall of 2012. The Saabs are responsible also for the creation of an endowed professorship in green plastics, gifted to the University in 2008. A second gift, received the same year from James Dandeneau ’80—another of the 10—likewise endows a green-plastics professorship. Ward, in addition to his support for the ETIC construction, was also the source of a gift in 2010 to create a professorship in biochemistry. (He, like the Mannings, is the subject of a separate story in this issue.)

The gifts from other members of the 10, though less visible from the air or roadside, are every bit as critical to the University’s long-term future—and to the future of the larger world. The contributions, for instance, of David Pernick ’41, endow a Plastics professorship; provide scholarships to students in both management and



1 Vice Chancellor of University Advancement Edward Chiu presents David Pernick '41 with a Circle of Distinction Award. **2** Students thank donors during the Chancellor's Leadership Society Reception, during which benefactors who have made generous contributions over their lifetimes were inducted into the Circle of Distinction. **3** Chancellor Marty Meehan '78 presents Roy Zuckerman '58 with a Circle of Distinction Award.



4 Members of the Circle of Distinction who are graduates of the Francis College of Engineering: Robert '71 and Gail Ward, Mark Saab '81, and Deborah and James '80 Dandaneau. **5** Robert Manning '84, Professor Emeritus and Founder of the School of Management Stuart Mandell '11, Charles Hoff '66, John Pulichino '67, and Dean of the Manning School of Business Kathryn Carter '78.



6 Chancellor Marty Meehan '78 presents Jaishree and Gururaj "Desh" Deshpande with the Circle of Distinction Award. **7** Kennedy Family Merit Scholarship recipients Courtney James (l) and Michael Staub (r) with John Kennedy '70. **8** A Circle of Distinction ice sculpture, surrounded by honorees' awards, served as a centerpiece.

plastics; and fund the continuing exchange of doctoral students and faculty, between UMass Lowell and the plastics program of an Israeli university.

Roy Zuckerman '58 has helped fund the recruitment of exceptional out-of-state students; endowed the Zuckerman Chair in Leadership, rewarding faculty and staff for outstanding leadership in their departments; and supported the Assistive Technology Program within the Department of Electrical Engineering.

The name Charlie Hoff '66 might be familiar to more students at the University than that of

any other of the 10. Hoff, over the past 20-plus years, has been responsible for scholarship funds for at least 551 UMass Lowell students—many he and members of his family have met with personally—as well as aid to other UMass campuses. The numbers continue to grow.

Gururaj ("Desh") Deshpande, the only one of the 10 not an alumnus, is unique as a benefactor in other ways as well. A native of India, he has donated to support the advancement of business and technology in his country, including a large gift to help UMass Lowell to advance collaboration between United States and Indian engineering

students, and support grants to promote entrepreneurship in the Merrimack Valley.

Mary Jo Leahey* '37, the only one among the 10 who could compete with Charlie Hoff for name recognition among current students, was a legend among those with a longer history here. She has supported scholarships for local high school student-musicians at a yearly, week-long residential summer band camp on the UMass Lowell campus. The camp, headed by Deb Huber, associate director of University bands, has been a summer highpoint for many hundreds of area youngsters since its founding 16 years ago. ■

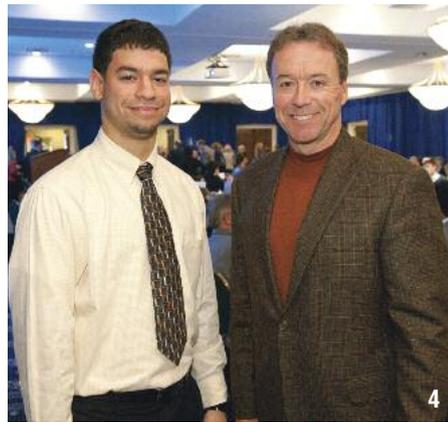
*Note: As the magazine went to press, the University received the sad news that Mary Jo Leahey '37 died at her home in Florida. Look for a profile on Mary Jo in the next issue.

Legacy of Giving Luncheon

First-ever Event Brought Together Students and Their Benefactors



1 Dean of the Francis College of Engineering John Ting, Thomas '64 and Josephine Hughes, Aruna Vedula, Tonita McKone, Professor and Dean Emeritus Krishna Vedula and Francis McKone '56. **2** Director of the MBA Program Gary Mucica '71 (middle) with Gary and Sally Mucica Endowed Scholarship recipients Vanessa Kent (l) and Brianna Mahoney (r).



3 Carole Barrett, Sarah Treacy, recipient of the Margaret Holland Barrett Teaching Scholarship, and Edward "Ned" Barrett '58. **4** Recipient of the PL '80 Plastics Engineering Endowed Scholarship Ezequiel Ortiz with James Dandeneau '80. **5** John Pulichino '67, with Alyssa Brooks, recipient of the John V. Pulichino Scholarship.



6 Arakelian Endowed Scholarship recipient Jacqueline Bradley, with Bruce Arakelian '82 and Dean of the School of Health & Environment Shortie McKinney. **7** Charles Hoff '66, with student recipients of the Charles J. Hoff Scholarship.

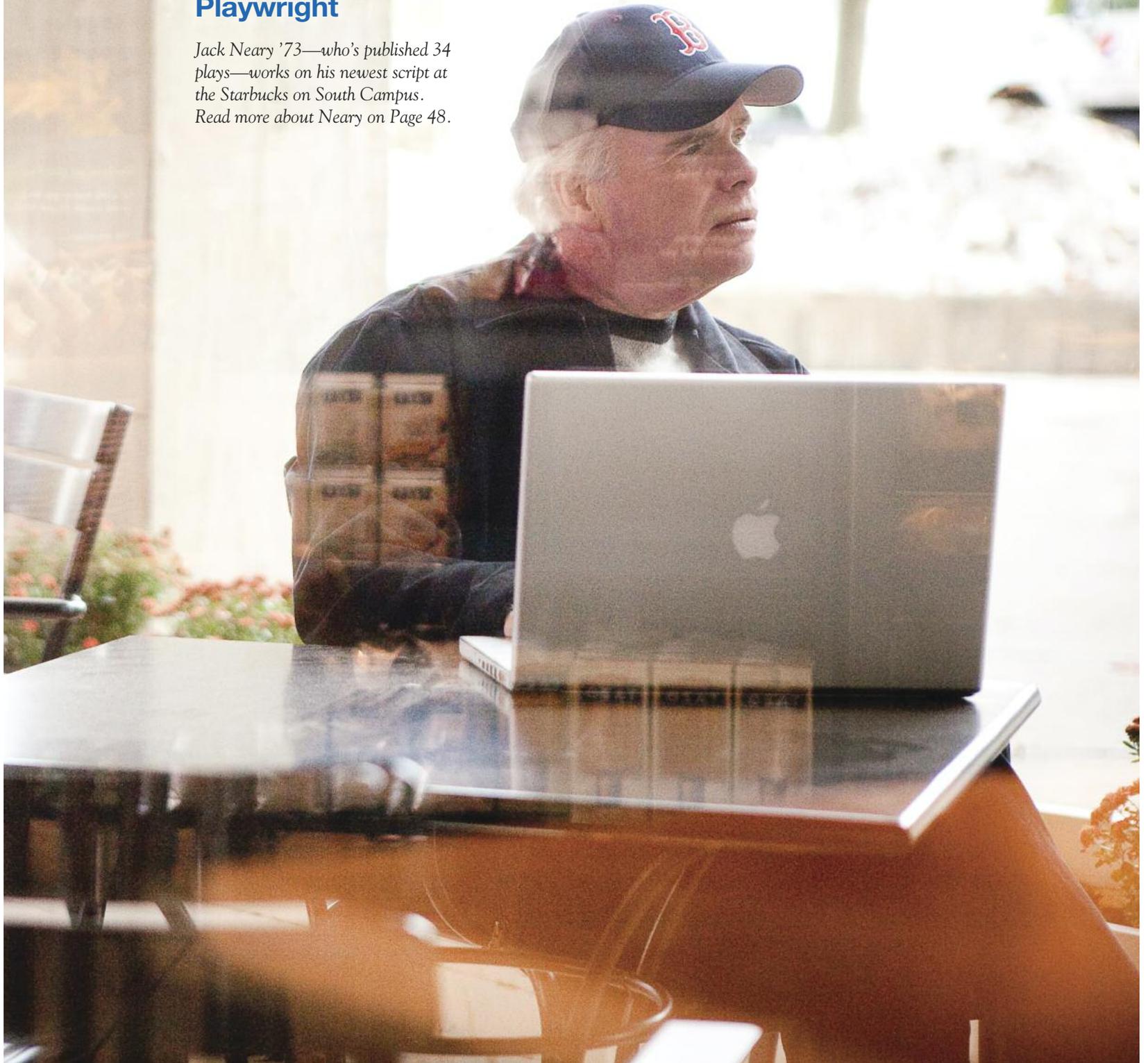
Alumni Life

Inside...

- 44 ALUMNI EVENTS
- 47 CLASS NOTES
- 55 IN MEMORIAM

The Unpretentious Playwright

Jack Neary '73—who's published 34 plays—works on his newest script at the Starbucks on South Campus. Read more about Neary on Page 48.



Fall Festival 2011

Alumni Reconnect During Weekend Celebration



1 Alpha Sigma Tau alumnae at Fall Festival's Fraternity and Sorority Reunion.



2 Chatting at the Fraternity and Sorority Reunion are, from left, Richard Lockhart '67 and Mary and Walter '59 Dawson.



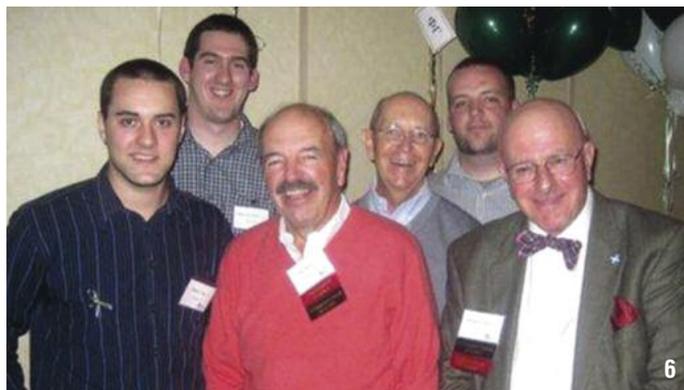
3 Racers meet at the Jennifer's Run starting line.



4 Track team athletes Craig Bennett and Evan White with Chancellor Marty Meehan after Jennifer's 5k Run.



5 Kappa Delta Phi alumnae at the Fraternity and Sorority Reunion.



6 Omicron Pi alumni at the Fraternity and Sorority Reunion.



7 Meeting up at the Student Leadership Reunion at Fall Festival are, from left, Monica Leureat, Jemica Cropperpam, Sade Jean-Jacques, Marck Clerveau, Marie Aka, Ike Iloputaise, Foffi Selom Egbeto, Ariane Egbeto and Amy Liss.



8 Delta Kappa Phi alumni, from left, John Tardelli '64, '70, George Dixon '69, Yena and Bernie '56 Shapiro.



1 The 50th Reunion alumni of classes of 1961 from Lowell Tech and Lowell State march in commencement, from left: Leonard Bennett, LTI; William Moylan, LTI; Hubert Bonfili, LTI; Sandra Harvey, LTI; JoAnne Connolly, LSC; Charles Mitsakos, LSC; Sally Trice, LSC and Barbara Kinnaird, LSC.

2 A team of Plastics Engineering Alumni, faculty and current undergraduate students participated in the annual New Hampshire "Reach the Beach" relay race, with help from sponsor Synventure Molding Solutions of Peabody. Top row, from left: Asst. Prof. Meg Sobkowicz-Kline; Jonathan Wilk '03; Rob Duncan, student; Jim Biggins '03; Stephanie Dubay '05; Prof. Robert Malloy '79; Prof. David Kazmer; Brian Beaudoin, senior. Bottom row, from left: Melissa Siopes '03; Melissa Egan '03; Bill Siopes '03; Cristina King '03.



3 Children's Hospital Boston Director of Radiation Safety William (Rusty) Lorenzen '90 and a group from UMass Lowell were invited to observe a "Longwood Thunder" counterterrorism exercise, held by the National Nuclear Security Administration and the Federal Bureau of Investigation in Boston in October. Front row, from left: students Thuquynn Dinh, Alexandra Robinson and Erin Sole and UMass Lowell Asst. Radiation Safety Officer and Laser Safety Officer Steven Snay. Back row, from left: Student SuHan Kim, radiological science faculty Mark Tries and Clayton French, Lorenzen and students Warnie (Sonny) Gick and Thompson Joe. **4** Atlas Venture Partner Peter Barrett '74, third from left, who spoke to a chemistry class on campus, with, from left, College of Sciences Assoc. Dean Fred Martin, Provost Ahmed Abdellal, Chemistry Department Chair James Whitten, Vice Provost for Research Julie Chen and Dean of Sciences Robert Tamarin.



5 From left, Ken Pickering, David Vario, Larry Acquarulo '81 and Tony Listro '88, '89 enjoy the 2nd Annual Plastics Golf Tournament at Connecticut National Golf Club. **6** Turnout was great for the First Annual Sigma Phi Omicron Golf Tournament at Merrimack Valley Golf Course in Methuen.

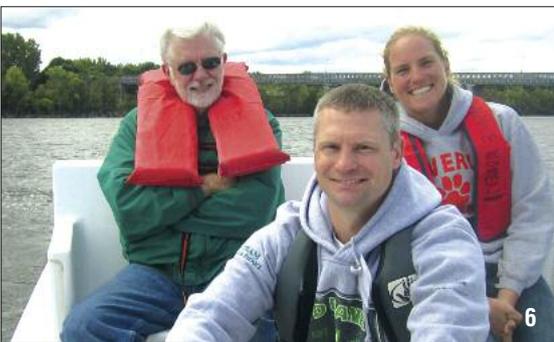
Alumni events



1 Scott Huennkens, CEO of Volcano Corp., wears the UMass Lowell corporate rowing shirt for his hike up Mount Fuji in Japan with a friend. **2** Getting caught up at the Delta Kappa Phi Reunion are, from left, Walt Brown '69, Jim Denuccio '69 and Dave Healy '69. **3** Jose Pino '08 and Jineyda Tapia '06 relax at the Young Alumni Professionals River Walk at Salvatore's in Lawrence.



4 Participating in the Rowing Alumni Day at the Bellegarde Boathouse are, from left, David Cormier '12, Hengky Susanto '04, Brian Legg '07, Robby Walters '10, Robert Pitkin '04, Bridget Mahoney '13, Katrina Walthers '11 and Denny Wirth, current doctoral student and captain of men's team. **5** Rowing Alumni Day supporters, from left, Catherine Curran '84, Karen Scammell '85 and Steve Curran '82.



6 Sitting in the Alumni Rowing Day coach's launch boat, from left, are Bob Bowles '67, Chad Moore '97, and Asst. Coach Leigh Eubanks. **7** Field hockey alumnae enjoy a Sunset Social at the Bellegarde Boathouse, from left: Sara Hohenberger '06, Asst. Coach Chelsey Feole, Lizzy Ales '11 and Erin Stewart '01. **8** Linda Carpenter '90 and Larry Ardito '69 at the Ninth Annual Wine & Dine at the UMass Lowell Inn & Conference Center.



9 Attending the Ninth Annual Wine & Dine are, from left, Mary Anne Durand, J.P. Durand, Stacey Hubbard '91, Dana Hubbard, Beth Doyle and Matthew Hubbard. **10** Al Peterson '55 throws out first pitch at the Annual Alumni Night at the Lowell Spinners game.

DON FINEGOLD writes that, in 1953, he was the first graduate of the Leather Engineering program and that he has many fond memories of the school. He hopes to attend the next reunion.

1963

Ron Lafond played third base for the Wilmington (N.C.) Port City Pirates slow-pitch softball team that won the 2011 championship in the 65-69 age group division at the National Senior Games in Houston, Texas.

1964

Two recipes from **Ann Fox Chandonnet's** cookbook, "Gold Rush Grub" (University of Alaska Press), have been selected for inclusion in a Parks Canada smart phone app for the Chilkoot trail site. The recipes are for Sourdough Starter and Sourdough Flapjacks. Parks Canada has been compiling phone apps about that country's food and heritage for all its national historical sites.

George Perrone conducted concerts and lectured in Spain and St. Petersburg, Russia, throughout the 1990s and part of the present



decade. In 1994, he was the first American to conduct the new Russian National Anthem at the Palace of Peter The Great in St. Petersburg and, in 2011, he was inducted into the Italian-American Hall of Fame. With George in the photo is his son, Alexander, a musician and basketball player at Loomis-Chaffee School, who accompanied his father on trips to Russia and Spain.

Marilyn Pinschmidt has moved to North Carolina

where husband Bob is employed by the University of North Carolina, Chapel Hill. She moved her piano studio to the area and is very active in local music groups. One of her high school students won first place recently in the Chapel Hill Music Teachers Association piano auditions, playing Kabalevsky and Liszt. In December 2010, Marilyn brought Netherlands concert pianist Misha Fomin to a Raleigh venue. She also is active in local book clubs and occasionally does freelance writing. She says she would enjoy hearing from former classmates.



1966

Carol Baldwin is entering her 42nd year of teaching elementary music in Vernon, Conn., and says she thoroughly enjoys every day with the kids and her colleagues. She was named the Vernon Teacher of the Year in 1985, received Connecticut's Celebration of Excellence Award in 1986 and was included in Who's Who Among America's Teachers in 2004, 2005 and 2006.

1967

Donna Lane Nelson's latest novel, her sixth, is "Murder in Argeles: A Third Culture Kid Mystery."

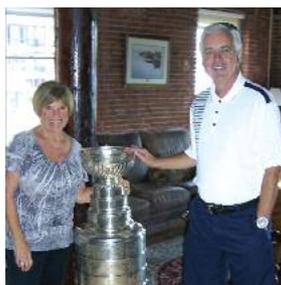
1970

Richard J. Lynch retired this past summer as executive vice president for Enterprise-Wide Strategic Technology Initiatives at Verizon Communications Inc. after 39 years of service at Verizon and its predecessor companies. He had

earned bachelor's and master's degrees in electrical engineering at Lowell Tech.

1971

A piece by **Vince Bennett** has been included as one chapter in the book, "Young Scientist Journeys." The book is the first of a trilogy written for those aged 12 to 20 who are inspired to pursue careers in science or to use science in other careers. Vince's chapter details his journey from an engineer focused on improving the papermaking process to one viewing life as a process focused on improving his corner of the world by making every interaction positive. Vince is now semi-retired and focused on consulting and contract engineering.



Mark Coccozza and his wife **Susan (Scanlon) '69** visited the Stanley Cup in the home of their neighbor, Boston Bruins' player Zdeno Chara, after the Bruins 2010/2011 season.

Betty Yokell, director of Performing Arts for Fall River public schools, has retired after completing a 40-year career. Husband Louis, a music teacher in the city, retired at the same time and the two say they will keep busy traveling and dabbling in digital photography. Betty also will continue to put her French horn to good use as a member of the Fall River Symphony Orchestra.

► CLOSE-UP CLASS OF 1980

Inspired by Catastrophe, Today She Makes Music for Peace

Opportunity, as we all know, sometimes comes in unlikely guises. But few unlikely than the one it took for Gael Berberick '80 in the spring of 1995.

She was living with her husband and their four children in Fort Sill, Okla., where her husband had then been stationed for two years. It was the day after the Oklahoma City bombing; she was on her way to a sing-along at her daughter's school.

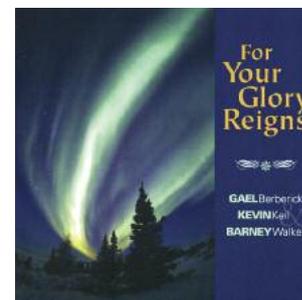
"I didn't have a song to sing," she recently told a reporter in Rhode Island, "but all of a sudden this beautiful song just came [to me]."

She wrote down its beginning in the car on the way to the school, the following four verses later at home. The next day, "Hope for Peace" was performed at St. John of God's Parish in Fort Sill, where she worked as a church musician. Not long after, it started airing on local radio—and is still heard regularly on stations throughout the Midwest. The song earned her \$3,500, which she donated to a scholarship fund for the children of some of the bombing victims.

It was the first of many such songs Berberick would publish, though she had been involved with sacred music for years—beginning as a young girl in Marshfield, singing and playing the guitar for her local parish. Writing songs, though, had begun later for her: inspired by the day, in 1989 in Fort Leavenworth, Kansas, when she'd discovered liturgical music. "It was the most uplifting music I had ever heard in the Catholic Church," she would remember later. [From that moment on] I wanted to write music for the Church."

And so she did. Not long after, she began composing songs and sending them off to liturgical publishers; but until "Hope for Peace," none would see the light of day.

The rejection letters, though, are long behind her now. As of early this year, Berberick had published more than 50 songs with liturgical-music publishers—including the recent "Mass of the New Covenant," co-written with Barney Walker, which was introduced in Catholic parishes beginning in November. "You don't make a living doing this kind of work," says Berberick, who is orchestra director at Tiverton High School in Rhode Island. "You have to have some higher calling—a vocation."



► CLOSE-UP CLASS OF 1973



Actresses, from left, Sheriden Thomas, Ellen Colton and Cheryl McMahon perform Jack Neary's "The Porch" at the Stoneham Theatre.

Jack Neary: The Unpretentious Playwright of Lowell

Precisely at 9 a.m.—the appointed meeting time—actor, director and playwright Jack Neary '73 is outside the River View Diner, checking his phone to make sure I haven't canceled or gotten lost. Signature Red Sox hat perched atop an engaging Irish mug, his handshake reveals a bit of shyness.

Without looking at the menu—it's clear he's been here before—he orders up an omelet. I do, too, but I skip the home fries, explaining that I'm trying to "behave." He tells me he's behaving, too, by skipping the bacon.

I tell him I'm awestruck—this man has published 34 plays, in addition to his storied career directing, acting and serving as artistic director of the summer theater programs at Mount Holyoke and Northampton's New Century Theatre, which he co-founded at Smith College. His work has been widely produced; perhaps his best-known work, "Jerry Finnegan's Sister," was performed all over the country, played in Paris and toured France. "To Forgive, Divine," professionally introduced at the Merrimack Repertory Theatre, was purchased for film by Walt Disney Pictures.

I confess that I've read every available excerpt online. "Jesus Christ!" he responds. "Seriously?"

This reaction is indicative of a special kind of Irishman. The antithesis of the often typecast Lucky Charms rogue, Neary is a man who won't—for a single minute—get too full of himself.

"My great uncle was right off the boat from Ireland. I remember him sitting with

my uncle at the table, going on about how he was hit by 'the very first automobile ever driven in Ireland!' He goes on and on with the story, and my uncle is just looking at him straight in the eye. At the end of the story, my uncle simply says, 'That is a lie.'"

His favorite playwrights include Neil Simon, whom he describes as a master at creating characters who ring true, and are funny. They aren't forced—they feel real, and absent the phony sitcom laugh tracks. Neary strives for the same in his characters, mining his own truth to present fully formed, fallible people. The inspiration for "The Porch" came from none other than his own mother and her two porch-sitting friends.

"I know what to give actors, I know how to sell an audience," he says.

He's not making empty boasts. "The Porch" earned wide critical acclaim. Dick Flavin, Emmy-award winning author and humorist said, "'The Porch' is everything theatre should be. It is endearing, drop-dead funny, heart-breaking and, in the end, triumphant. I left the theater thinking to myself, gee, I wish I'd written that."

Perhaps more importantly, audiences loved it—68 of the 72 performances at the Stoneham Theater ended with standing ovations. "But standing O's are easier to get these days," Neary cautions. "You know, the lights go up, and people stand up to leave, then one person claps and everyone sort of joins in."

But for all his success as a playwright, Neary's art has a deeper foundation. "I spent

By Sheila Eppolito

many years acting and directing, so I have a good sense of what will work," he says.

In fact, Neary was 35 before he wrote his first play, "First Night." A member of the Dramatists Guild, the Actor's Equity Association and the Screen Actors Guild, he recently had a role in Ben Affleck's Boston-based movie "The Town" and auditioned for the role of Alice Ward's husband in "The Fighter." Earlier roles include both Felix and Oscar in "The Odd Couple," Clarence in the musical "A Wonderful Life," Amos in "Chicago" and Maurice in "Beauty and the Beast." On network television, he has appeared in "Spenser: For Hire" and, more recently, on "Law and Order" and Showtime's series "Brotherhood." He also directed Cindy Williams from TV's "Laverne and Shirley" in 2009 in his play "Kong's Night Out" at the Meadow Brook Theatre in Michigan.

As far as the writing process goes, Neary says, "I often begin with an idea about a play with a particular actor in mind—'First Night' started with a role I knew would be perfect for Maryann Plunkett."

Plunkett—a Tony-Award winning actress who attended Lowell State with Neary—very nearly played the role off-Broadway in 1994, but had to bow out when she learned she was expecting. "First Night" was first produced professionally at the MRT.

So, what's next for this man of many talents? Two things: children's plays, and a book proposal.

"Lately, I've been writing a lot of stuff for kids—a lot of parodies of classic stories," Neary says.

He's also forayed into another creative outlet: developing a book proposal for Jeanne Stawiecki, a remarkable woman who has completed marathons and climbed the highest peak on every continent—including Everest on her third try.

And he has high hopes for his most recent play, "Auld Lang Syne," a two-character comedy that is currently being considered by an Emmy Award-winning TV star and a Tony Award-winning actress.

Oh yeah, and then there's the summer musical theater program he'd like to create for Lowell.

While many would rest upon such accomplishments—boast about them, even—Neary isn't that guy. ■



1972

Michael Paloian, an instructor at UMass Lowell, is a recognized expert in plastics part design. His vascular imaging device, VeinViewer, which won the 2011 Medical Design Excellence Award, uses near-infrared light and other patented technologies to project a real-time digital image of patient vasculature directly onto the surface of the skin.

1976

Ted Stokes has published a book about entrepreneurship.

1977

Pervez Qureshi has been named president and chief executive officer of Epicor Software Corporation, an international business with customers in 150 countries. Pervez had been president and CEO of Activant Solutions from 2006 until that company and Epicor were combined. He brings to his new post more than 20 years of management experience in the software and technology industry.

1978

Jerry Colella, vice president and COO of MKS Instruments, joined other senior management of MKS in ringing the NASDAQ opening bell on June 15, 2011 in recognition of the 50th anniversary of the founding of the company. Jerry also serves as a member of the Manning School of Business Advisory Board.

Gale Pemberton was remarried in March 2011, to Robert Knowles, a retired teacher from Michigan. Her grandson, Joseph Beagley, is a freshman at UMass Lowell.

Susan Laite Tansey is an elementary music teacher in Wareham, where her duties include classroom music for grades 1-5 as well as directing the chorus and two bands. Susan also participates in local chorus and woodwind ensembles.

1980

Joseph Carelli, executive vice president for commercial lending at Citizens Bank, has been named president, heading up the bank's New Hampshire and Vermont operations.

Barbara Balch Packales recently became technology chair for the North Carolina Music Educators Association. She continues to participate as a board member of both the TI:MENC Chapter and of the National Association for Music Education Society for General Music. Her current assignment is at Olds Elementary School in Raleigh, teaching K-5 music and technology integration.

1981



Bonnie Comley, and husband Stewart Lane, recently visited campus to attend the Chancellor's Leadership Society reception at the UMass Lowell Inn & Conference Center.

1986

Michael McGovern has been vice president of Information Technology at the Cambridge Trust Company for the last eight and a half years. He has been in the IT field for more than 25 years.

DARLA HANLEY '86, dean of the Professional Education Division at Berklee College of Music in Boston, has been elected to the Jazz Education Network board of directors. This national organization is in its third year and replaces the former International Jazz Educators Association.

1987

Stephen Russell is a senior talent acquisition manager for CVS Caremark Corp., a Fortune 25, \$100 billion healthcare company with more than 200,000 employees and 7,200 stores across the United States. He manages national recruiting efforts to identify, attract and secure top business, healthcare and retail professionals. Steve, the son of Richard Russell, '61, began his career with Citizens Financial Group and Fidelity Investments. He lives in East Providence, R.I., with his wife, Rosa, and their children Zachary, Christopher and Monica.

1989

Rich Cusolito, vice president of Sales, North America for Technicolor, has been named a director of business development for Pelican Products, a manufacturer of high-performance protective case solutions and advanced portable LED lighting systems. Rich brings more than 15 years of business development, sales and customer relationship management experience to his new post.

1992

Susan Dirks '92, '95 is co-owner of North Shore Nurse Practitioners LLC, which provides mental health services.

1993

Tina Santos has been named vice president for patient care and chief nursing officer at Heywood Hospital in Gardner. Prior to this appointment, Tina was director of adult and in-patient services at Lowell General Hospital.

Dante Varrasso has been named head coach of the varsity wrestling team at McQuaid Jesuit High School, a private Catholic college preparatory school in Brighton, N.Y. Dante, who has taught history at McQuaid Jesuit High since 2004, also coached wrestling at various other levels during that time.

1996

After a 13-year career in financial services, **Steve DeSimone** began classes this fall at Bentley University to pursue a Ph.D. in accounting. Steve has also been teaching a Financial Accounting course at UMass Lowell since January 2010.



Cheryl J. Henry is chief branding officer and senior vice president of Ruth's Hospitality Group Inc. (RHGI), the company that owns the Ruth's Chris Steak House, Mitchell's Fish Market, Mitchell's Steakhouse and Cameron's Steakhouse. Cheryl is responsible for developing and executing the company's marketing and branding strategy, enhancing existing sales initiatives and developing new revenue centers for all RHGI brands. Prior to joining the RHGI team, Cheryl was the chief of staff for the mayor of Orlando, where she was instrumental in the development of \$1.2 billion in downtown entertain-



ment venues, including a performing arts center and new arena.

1997

Adam Miloro has been named a vice president of Longfellow Advisors, a Boston-based retirement plan consulting and advisory firm. Adam previously had served as a senior consultant and has written for the Employee Benefit Plan Review. He recently was granted the Certified Financial Planner (CFP) designation by the Certified Financial Planner Board of Standards. CFP is the industry's top designation for financial planners.

1998

Jodie Minahan is the senior placement specialist for the Youth Villages Intercept Intensive In-Home services program in Woburn and throughout Middlesex County. The organization helps children with emotional, behavioral and mental health issues and their families. Jodie now lives in Haverhill.



2003

Kate Hanson Foster has had her first book of poems, "Mid Drift," published by Loom Press of Lowell. The compilation of 38 poems reflects the drama of family life and other subjects she observed while growing up in Andover and,



later, while attending UMass Lowell. Kate holds a master of fine arts degree from the Bennington Writing Seminars at Bennington College.

Rosalind Gendreau and her wife, Nicole, celebrated the birth of their daughter, Dillon May, last July 9.



2004

Amy Berdos, who spent the last 15 years in the Norton Public School system—first as an elementary school teacher and most recently as K-12 director of Curriculum and Instruction—has been appointed assistant superintendent of Foxboro Public Schools. Amy, who topped a field of 34 applicants for the position, holds a doctorate in Leadership in Schooling from UMass Lowell. She also earned a degree in architecture and building construction from Texas A&M and considered working on Boston's Big Dig project before her love of math, science and children pointed her toward the teaching profession.

Ali Bogdan has joined Avison Young, a commercial real estate company in Boston, as a brokerage assistant, a post in which she leads various marketing projects and supports the company's suburban brokerage team. She came to Avison Young from Noble Wealth Management, an independent financial planning firm.

2005

Isa Cann is a director, website designer and website video producer at Media Architects, which serves clients in the New England area.



Greg Maloney, an SRT major, has been working in Los Angeles as technical music supervisor for Oscar-nominated film composer Danny Elfman for the past three years. His most recent project was "IRIS," a new Cirque du Soleil show that will be featured at the Kodak Theatre in Hollywood. Greg is currently working with Elfman on the film scores to "Hunger Games" and "Men in Black 3."



Beth Odian graduated cum laude from Marquette University Law School in May 2011. Following graduation, she accepted a temporary position clerking for federal magistrate judges William Callahan and Patricia Gorence in the Eastern District of Wisconsin. Her clerkship ended in November. Although she does not currently have job plans following the conclusion of her clerkship, she is excited to begin the next stage of her career. A native of Wenham, Beth graduated magna cum laude from UMass Lowell in 2005 with a degree in business. While at UMass Lowell, she was a member and two-year captain of the women's varsity soccer team.



2006

Mandy Whittier Breton was married in July 2010 to Jeremiah Breton. She is working toward a master's degree in elementary education at Salem State University and expects to graduate in May 2012.

Cam Preciado, who earned his degree in graphic arts, is using the talent acquired in that discipline to provide free design work for nonprofit humanitarian organizations. His first "customer" was Living

▶ CLOSE-UP CLASS OF 1992 AND 1993



The Odd Couple: Sharing a Home and a Marriage, From Different Sides of the Fence

To all those who lament the incivility of our society, who bemoan that we've grown too polarized as a people to any longer see past the differences between us—there is a living, breathing rebuttal:

Dwight Robson and Lena Robinson, husband and wife.

Robson '93 and Robinson '92 are the James Carville and Mary Matalin of Massachusetts politics, but without the fanfare. She's a consultant to Republicans, he to Democrats; her values run to low taxes and small government, his are rooted in more help for the little guy. He wrote a check last fall to the Deval Patrick campaign; she canceled it out with a bigger one to Charlie Baker. When it comes to politics, they don't agree on much.

And yet.

And yet they've been together since they met at ULowell—where she was left-wing as he was ("of the ACLU card-carrying persuasion") until she read Ayn Rand. They have two children together, share a home on the North Shore, and only rarely give way to screams. ("Occasionally I lose my cool," she told a reporter last fall. "Dwight really doesn't.") They made it through last year's election by agreeing on no lawn signs.

But there are moments. There are flash points.

Mitt Romney is one. ("Dwight has a personal thing with that," Robinson told the reporter.) Al Sharpton is another. ("Don't even go there," she said to her husband; "he's kryptonite to me.") And he's never been happy with her membership in the NRA.

Still, there is common ground—which is something they work hard to stress. She is friends with Shannon O'Brien, former Democratic candidate for governor; he's worked on behalf of charter schools, which have strong Republican backing.

"I never did see things in black and white," he said last year. "Democrat, good; Republican, bad—I don't see politics [that way]."

So the next curmudgeon you come across, arguing that we're too divided to get past our differences, or that Congress is too partisan to ever get anything done?

Send him out to Marblehead to take a lesson from Lena and Dwight. ■ —G.D.

Continued on Page 52

► CLOSE-UP CLASS OF 1987

From a Teenager's Passion to a Lifetime Career

It began as a volunteer summer job, more than 30 years ago. She was 15, a high-school student with an interest in science. But somehow, the job never ended.

"It just kept on expanding," says UMass Lowell Education Asst. Prof. Michelle Scribner-MacLean '87, '90, '99 of her relationship with Boston's Museum of Science. "I just kept going back—working different jobs, at the front desk, in the library, just about everywhere you could work. I finally did leave to teach elementary school—but I came back to work in the summers."



Over the years, her jobs there grew more diverse, and more responsible: "I did the research for my master's degree in the butterfly lab. There I was, with the keys to collections of butterflies going back to the 1800s. There's almost no way to describe the things I learned."

Recently, the museum produced a video, "The Heart of the Museum," which profiles four people whose lives have been touched by their exposure to it. New York Mayor Michael Bloomberg, who grew up in Medford, was one of the four; another was Scribner-MacLean. "It was a real honor," she says, "to be able to talk about how important, how truly special, the place has been for me." ■ —G.D.



Waters Center of Hope in Lowell, which needed new logo and design work when it changed its name from “ministry” to “center.” Cam and his fiancée have launched Christian Hill Studios, a graphic arts and apparel business.

2007

Marine 1st Lt. **Matthew White**, of East Bridgewater, who earned his degree in sound recording technology, returned from Afghanistan this past summer after deploying with the 8th Engineering Support Battalion as a battery communications officer.



Matt says he’s going to stay in the Marine Reserves and is looking for a job in the audio visual, audio engineering or television fields. Meanwhile, he says he’s trying to become adjusted to civilian life.

2008

Amanda Coffey, a board-certified physician assistant, has joined the Amherst (N.H.) Family Practice. Amanda is affiliated with Foundation Medical Partners and is on the staff at Southern New Hampshire Medical Center. After earning her bachelor of science degree summa cum laude from UMass Lowell, she earned a master’s in physician assistant studies at the Manchester campus of the Massachusetts College of Pharmacy and Health Sciences.

2009

Saoran Roeth, an administrative support assistant at the National Park Service in Lowell, sailed aboard the Friendship of Salem, a replica of a 1796 cargo ship, from

Salem’s Derby Wharf to New York City this past summer along with more than three dozen members of SCIP, the Park Service’s Student Career Intake Program. The program gave the Massachusetts participants an opportunity to bond with other SCIP students from New York and Baltimore. Saoran, who had been in the program for three years, is the first SCIP student from Lowell to secure a permanent position with the Park Service.

2010

Ryan Cahill has graduated from the U.S. Navy Officer Training Command in Newport, R.I., and was commissioned with the rank of ensign.

2011

Sara Shipley, a certified family nurse practitioner, joined Family Practice of South Nashua. Sara is affiliated with Foundation Medical Partners and is on the active staff at Southern New Hampshire Medical Center.

► CLOSE-UP CLASS OF 2010



Alum Stars in Microsoft Video

In a new video produced by Microsoft, Mark Micire, who received his doctorate in computer science from UMass Lowell, demonstrates how his DREAM controller can command a swarm of robots by using his fingertips. Computer Science Prof. Holly Yanco and her Robotics Lab are also featured in the video.

► CLOSE-UP CLASS OF 2011

Pair Win First Place in National Design Contest

Adam McLaughlin and Jordan Tye met as middle-school students at the University’s summer Design Camp. Nearly a decade later, the pair were part of a team that won first place in a national design contest. The recent graduates—both working as teaching assistants at the University as they each pursue their master’s in mechanical engineering—took top honors in the recent Design for Direct Digital Manufacturing Competition, beating 11 other schools from across the country. Their entry (created along with current students Lisabet Sizer and Mark Damplo) was a custom forearm handgrip that allows people using crutches to comfortably and effortlessly control an iPod while walking. “With such a large number of crutches sold, if this product could reach even just a small

fraction of crutch users, the product would still make a huge positive impact on the lives of people with physical disabilities,” says McLaughlin.



▶ CLOSE-UP CLASS OF 1989

Fear and Fulfillment

By Sheila Eppolito

At 6-years-old, huddled in an attic apartment in Vienne, Isere in German-occupied France, Marguerite Waldron '89 was terrified. She sat in darkness—strict curfews meant lights out at an early hour—and heard the clicking of German soldiers' boots as they marched down her cobblestone street. She hoped they weren't coming for her—they knocked at the door of her neighbor instead. Today, life is much different for Waldron, but a part of her never forgets.



After putting her husband through MIT and her three children through college (one at UMass Lowell) she cast around for something for herself.

"When the children were grown, I had the luxury of more introspection," says Waldron.

She'd always been interested in painting and, at the urging of a friend, took a class at the DeCordova Museum. Following that, she began lessons with Lowell art instructor Ann Schecter, and she was on her way.

She enrolled in the University's art program at 50, and her official love affair with art began.

"I love abstract expressionism—it is an active kind of communication; the person viewing it has their own personal, individual reaction to it," she says.

She doesn't like art that is simple, or too literal. "I don't like pretty little pictures," says Waldron.

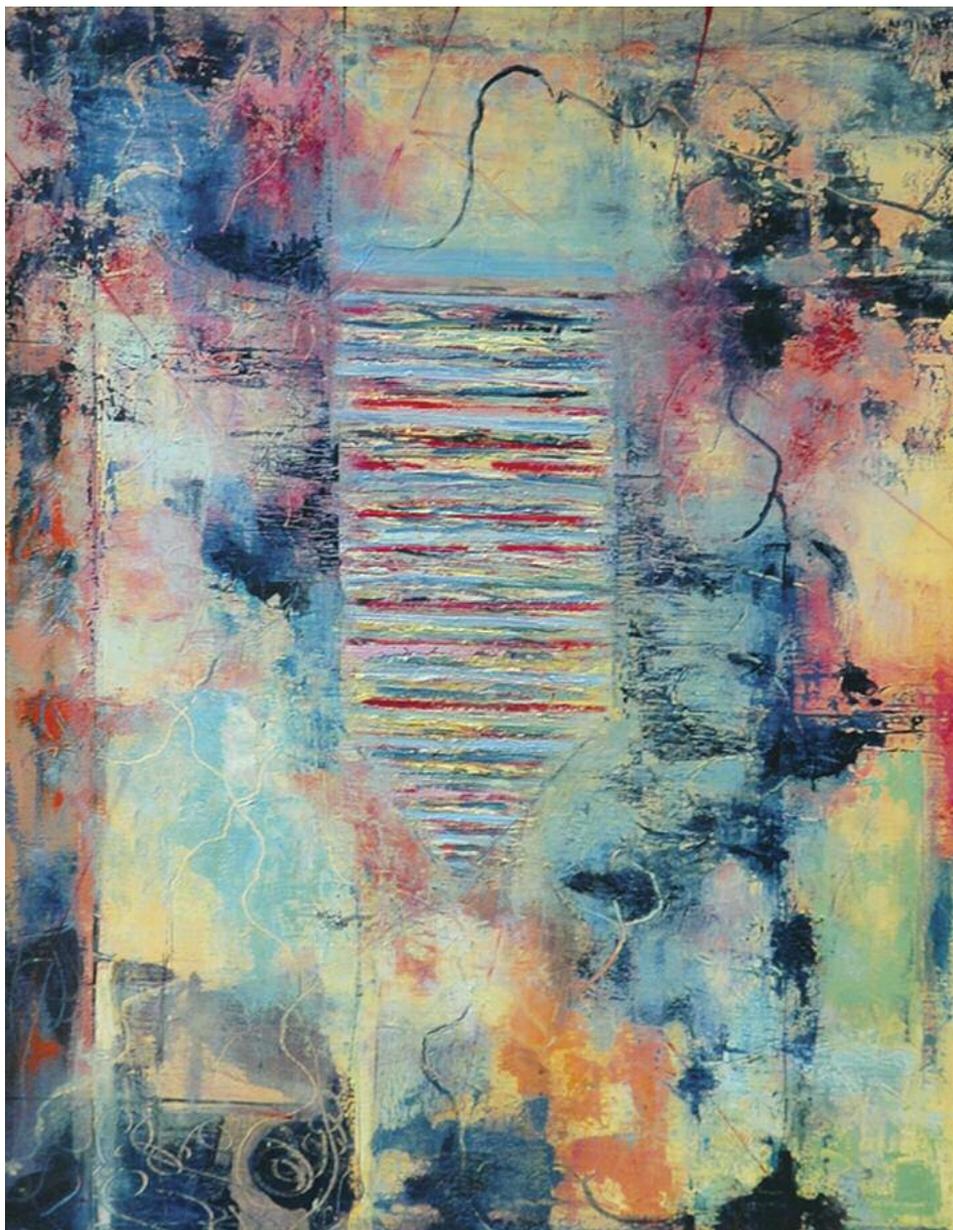
Her canvases are typically filled with vibrant colors, and often contain images of ladders and doors, a throwback to her fearful childhood. "I think the ladders may represent trying to get out—a means of escape, and the doors evoke fear of who might be behind them," she says.

After graduation, Waldron exhibited work at the Kingston Gallery in Boston before moving to York, Maine.

Recently, in a moment of serendipity, her daughter, Nicole, invited her to a wine tasting and art exhibit at The Clown in York. After surveying the featured artist's work, Waldron felt a renewed confidence in her own abilities, and approached the Clown's manager, Monique Meadows.

"I asked her if she would consider showing my work, and she asked what kind of medium I use," recalls Waldron.

"When I told her I paint abstract, she nearly jumped out of her skin! She said 'I love abstract!'" And a friendship was born.



"Ajmer" by Marguerite Waldron

"I visited Marguerite's studio, and I imagine I felt the way Alfred Stieglitz did upon discovering Georgia O'Keeffe," Meadows says. "I was absolutely blown away with the quality and quantity of her work—I wanted to yell at her and say 'Where have you been?'"

A showing of 28 of Waldron's pieces soon followed, with critical acclaim and sales. But selling her work isn't a huge motivator for Waldron. She says, "If a work sells, so be it. If it doesn't, I get to have it back, and look at it on my wall."

She credits Meadows' enthusiastic reaction with a new commitment to her work.

"She has reenergized me to continue to work—I value her friendship enormously," she says. ■

► CLOSE-UP CLASS OF 2000

Harish Hande Wins 'Asia's Nobel Prize'

Harish Hande, who earned a master's degree in renewable energy engineering in 1998 and a doctorate in mechanical engineering (with a concentration in energy) in 2000, was chosen to receive the 2011 prestigious Ramon Magsaysay Award.

The co-founder and managing director of Solar Electric Light Company (SELCO) India was recognized for his "passionate and pragmatic efforts to build a social enterprise that brings customized, affordable, and sustainable electricity to India's vast rural population, encouraging the poor to become asset creators."

SELCO has pioneered access to solar electricity for rural families living below India's poverty line through a combination of customized home-lighting systems and innovative financing.

The annual Magsaysay award—widely considered to be Asia's equivalent of the Nobel Prize—is named in honor of the former Philippine president who died in a plane crash in 1957. Awardees receive a cash prize of \$50,000. ■ —E.A.



Leo King, Remembered: a Legacy of Caring

Leo King, who died this fall at the age of 81, was a man who touched lives. And, nearly as often, changed them.

The memories that trailed his nearly 30 years as dean of students—beginning at Lowell Tech in 1967, finally retiring from UMass Lowell in 1996—are vivid.

“He was definitely pro-student,” remembers Ellen Duggan, who served as his assistant dean for years, then took over upon his retirement. “He was absolutely devoted [to them].”



“A 24-hour policeman, a 24-hour chaplain, and 24-hour friend of the students,” said Larry Martin, who was dean of admissions through much of King’s tenure, to a reporter earlier this year. “He had the hardest job in the University, without question.”

A former student, writing from Florida, remembers a crisis 30 years ago: “I asked your secretary for five minutes with you to explain a problem. You gave me an hour. You extended a hand, and held me accountable. You made an impact on my life, an impact I am still [feeling] today. I thank God for you.”

Today’s Dean of Students, Larry Siegel, who says he came to UMass Lowell in large part because of King, remembers the phone calls he made to arrange student loans, or credit at the bookstore for a student who couldn’t afford his texts, or a proper graduation ceremony for a prison inmate who’d completed his coursework through the mail. At least once, says Siegel, he remembers King taking out his wallet to give a student money for food.

“Hundreds of students owe their college degrees to him. He would spend a lot of his time meeting with [those] who felt they were at dead ends – whether it was personal, academic or financial. He really felt like they were his kids. He used to refer to them like that.”

Donations in Leo’s memory can be made to the Leo F. King Scholarship Endowment Fund. Checks, payable to UMass Lowell, can be sent to the Office of University Advancement, One University Avenue, Southwick Hall 250, Attn: Kristen Walsh.

Marianne Heimburg Knowlton: Teacher, Writer, Artist

Marianne Heimburg Knowlton, who taught English at the University for 35 years, was a devoted student of the artistic and the literary.

“She sought out places her favorite authors knew and loved in order to know the writers better,” says Martha McGowan, a retired English professor and longtime friend. “I have photos she took of one of Jane Austen’s homes, and of a café Hemingway frequented in Spain.”

Knowlton’s family—including former husband Ted, daughters Polly and Liza and son Larry (another son, Kned, predeceased her) recently held a memorial service for her following her death at 81.

“Whether deeply immersed in a popular page-turner or a dog-eared classic, my mother was perhaps happiest when surrounded by stacks of beloved books,” says Polly.

Knowlton found common ground with students in challenging the status quos of the ’60s and ’70s.

“Students flocked to enroll in her course, *The Modern Lyric*, where Joni Mitchell and James Taylor songs were played and discussed in their cultural contexts,” says Polly.

Prof. Rudolph Deanin: Plastics Hall of Fame

Prof. Rudolph Deanin of UMass Lowell’s Plastics Engineering Department died on Aug. 7 in Lowell. He was 90.



A member of the Plastics Hall of Fame and a fellow of the Society of Plastics Engineers, the longtime Westford resident taught at the University for 41 years, until his retirement in 2008 at age 87. He authored more than 300 technical papers and 12 books and held 36 patents.

“Rudy’s greatest accomplishment was establishing the Plastics Engineering Graduate Program, which has elevated the status of the department and has attracted graduate students from around the world,” says department chair Prof. Robert Malloy. “He served as the program’s coordinator throughout his academic career. He will be missed by all.”

“I still remember when I applied for the M.S./Ph.D. program in Plastics Engineering, Dr. Deanin provided me with all the necessary information promptly via email or via letter typed using his favorite typewriter,” says former student Rahul Panchal. “When I met him for the first time, I was amazed that at 80+ he was so active, prompt, polite and down-to-earth.”

Donations in Rudy’s memory can be made to the Professor Rudolph Deanin Blending and Compounding Laboratory Fund. Checks, payable to UMass Lowell, can be sent to the Office of University Advancement, One University Avenue, Southwick Hall 250, Attn: Kristen Walsh.



Moonchild by Brenda Atwood Pinardi

Brenda Atwood Pinardi: Portrait of Generosity

Every once in a while, a teacher comes along who changes lives. From all accounts, Brenda Atwood Pinardi was one of these. Pinardi was a fixture in the Art Department—as both professor and chair—for 35 years before her death in 2011.

Pinardi and her husband, Enrico (Henry), an art instructor at Rhode Island College, each went beyond the traditional role of teacher, and became—to a lucky group—more like parents. Doug Bell, a former student of Henry’s, describes spending time at the couple’s Hyde Park home:

“A few of us would visit them for the weekend, and in return for yard work, Brenda would prepare wonderful meals for us. We’d stay up until all hours working on our artwork in their studios. My father died in the ’80s, and I turned to Henry. Then my mother died a few years later, and I turned to Brenda. Since then, I have considered them my parents.”

Former Art Dept. colleague Jim Coates remembers Pinardi as a mentor: “Brenda was chair when I was hired. She was extraordinarily generous with her time and showed genuine patience and compassion. I’ve often described her as the glue that held the department together.”

For former student Jay Kamins, Brenda’s voice is a powerful memory. “Whenever I think of Brenda, it’s her voice that first comes rushing back—her tone was buoyant, relaxed and accepting,” he says.

“Last week, I spent some time in her old studio, seeing everything as she left it a year before. Collections of every sort filled the room—including playful assemblages of shells, old dolls, and unusual objects found from years of hunting with Henry. On her desk, CDs of Elvis, The Doors, Bob Dylan. Off to the side, brushes are lined up, well cleaned and ready to go,” he says.

Colleagues and former students honored Atwood Pinardi at two recent exhibits, both of which benefited the Brenda Atwood Pinardi Scholarship. ■

Russ Willingham '06: Died Serving the Public

Russell Willingham Jr. used to work multiple security shifts at a hospital on weekends to make his UMass Lowell dream come true. While also holding down a job as an RA on the ninth floor of Fox Hall, he wanted desperately to earn a criminal justice degree. And he did, in 2006.



But it was the dangerous profession he loved that claimed his life. Willingham, 28, died in the line of duty on July 30, during a shift with the Winston-Salem (N.C.) police department. Willingham was responding to a call regarding a possible drunk driver when he crashed into a tree and became trapped in his patrol car.

A native of Framingham, Willingham is survived by his wife, Courtney, in addition to his parents, two brothers and a sister.

“The first time I met him, he was the resident advisor in Fox Hall, and I was director of Fox Hall,” recalls Nicholas Piscitello, associate director of Parking and Transportation for the University. “He was an easygoing guy, but very passionate about criminal justice. He really wanted to be an officer.”

Catherine Goodwin '43: Drawing Life Out of Gravestones and Old Canvasses

Lowell was her life, and her lifelong love. She was rooted in its present, but made of herself—above all other things—a curator of its past. When Catherine Goodwin '43 died, in June at the age of 89, she took with her a knowledge and intimacy with the city that may never be seen again.

“She always struck me as someone who straddled two worlds,” says Richard Howe, a local attorney and blogger who, sadly but willingly, will now carry on the tradition of leading the cemetery walking tours that Goodwin made her calling for nearly 30 years. “She was a very modern person, with one foot squarely in the 21st century, but so immersed in the history of the city, it’s as if she had her other foot planted firmly in the 19th.”

She was a researcher, historian and scholar of all things Lowell. Beginning in the mid-1970s and continuing until near the end of her life, she choreographed exhibits at the city’s museums and galleries that put the city’s



past—its artists, mill workers, silversmiths, city fathers, the clothes they wore, the fabrics, china and portraits they crafted—vividly and memorably on display. Her cemetery tours, beginning in the early '80s and informed by her exhaustive and loving research, revived, for thousands of today’s residents, the long-dead men and women who made the city what it is. Her 1992 book, “Mourning Glory: The Story of the Lowell Cemetery,” brought many of these figures to the page.

“She always found the human connection,” says Irene Finneral, office manager of the Lowell Cemetery, “and translated the stories in a way her audience could feel.”

Deceased

YEAR*	NAME	YEAR*	NAME	YEAR*	NAME	YEAR*	NAME	YEAR*	NAME
1922	Gertrude Kenney Buckley	1942	Irene Lidwin	1958	Mona Griffin	1973	John Crosby Jr	1983	Daniel Ryan
1922	Julia Canty	1942	Josephine Peary Sankus	1958	Thomas Stanton	1973	Arthur Driscoll	1983	Michael Ackerman
1922	Lillian Cohen	1942	Janet Kenney Duffy	1958	Elizabeth Haggerty Gunnery	1973	Miles Robinson Jr	1984	James Patton Jr
1922	Dorothy Griffin Evans	1943	William Haggerty Jr	1958	Sherman Spiegel	1973	William Gallagher	1984	Jennifer Thomas
1923	Leon Davieau	1943	Catherine Hill Goodwin	1958	Catherine Lee Kimball	1973	Frederick Greathead	1984	Anthony Cavaliere
1923	Helen Powell Dorsey	1945	Margaret Morgan Cunniff	1959	Emile Genest	1974	Bruce Cecere	1985	Mark Krawczyk
1923	Earl Hoffman	1946	Allen Sideman	1960	Rene Gaillardetz	1975	William Pelosi	1986	David Flaherty
1923	Henry Macher	1946	Robert Bent	1961	Edward Anderson	1975	Thomas Toner	1986	Monique Ledoux Hines
1924	Charles Bachelder	1947	Kalman Kobrin	1962	Shalaby Shalaby	1975	Bruce Fitzpatrick	1987	Patricia Jacques
1924	Samuel Burger	1948	M. Dorgan	1962	William Hadley	1975	George Vetter	1989	Joseph Vincent
1924	Winthrop Cody	1949	Parker Downing	1962	Charles Como	1975	Douglas Jenkins	1990	Thomas Gleason
1924	Eleanor Costello	1949	Charles Sheehan	1962	Kenneth Jacobs	1976	Fred Heselton	1991	Karen Lacasse
1927	Mary Lynch Fisher	1949	Seymour Lash	1963	David Preston	1976	Jacob Eyssi	1991	Francis Trowbridge
1927	Mary Lenihan Fairbanks	1950	Joseph Weldon	1963	James Rice	1976	William Gallagher	1992	Monica McGuire
1927	David Currier	1950	Robert Sloan	1964	James Nicosia Jr	1976	Douglas Abbott	1992	Ruth Saltman
1928	Edna Berry Learned	1950	Angela Orlando Russotto	1964	Carlton Clark Jr	1976	Henry Croteau	1993	Frederick Wheeler
1928	Thomas Connor	1950	Richard Fifield	1965	Raymond Lord Jr	1976	Helen Sable	1993	James Winter
1928	Paul Fasig	1950	Charles Squire	1965	Ronald Lareau	1977	Irving Anderson	1994	Gordon Feltman
1929	Marion Bustead Howard	1950	George Spicer	1965	Donald Beede	1977	Karen Zaccardi	1994	William Peacock
1929	Paul Evans	1950	Norman Brunelle	1965	Wayne Liptak	1978	Nancei Radicchi	1994	Michael Szufnarowski
1929	Patrick Hetherman	1951	Morris Socransky	1965	Robert Twigg	1978	Paul Cavanaugh	1994	David Birchenough
1929	Fred Kennerley	1951	Paul Cushman	1966	Carl Pitasi	1978	Robert Dwyer	1994	James Leonard Jr
1931	David Taft	1951	John Knight	1967	Lois Choquette Sergi	1978	Pauline Michaud	1995	Edward Lavigne
1931	Ruth McKeon Kierstead	1952	Harold MacLean	1967	Janice Thiel Leahy	1978	Michael Savastano	1996	Burton Coburn
1932	John Meehan	1952	Charles Mack	1968	Sandra Dlugosz Boileau	1978	Stanley Haney	1996	Marc Couture
1933	Marie Powers	1952	Margaret Peters Smith	1969	Neil Vallencourt	1979	Vivian Moores	1996	Alexander d'Arbeloff
1933	Mildred Shanahan	1953	Lucinda Silk	1969	Joyce Scherer	1979	David Phinney	1998	Mary Dunn
1935	Faustina Hall Dorr	1953	Michael Dielendick	1969	George Zinkus	1979	Catherine Evans LeClaire	1999	Charles Waldner
1936	Edna Steele Rittershaus	1953	Charles Flamand	1969	Walter Jones	1979	Patricia Blake Fuller	2000	Paul Becker
1936	Loretta Gorman Francis	1954	Donald Nichols	1970	Frederick Matthes Jr	1979	Robert Roche	2000	Richard Orto
1937	Barbara Thompson Havercamp	1954	Harry Woessner	1970	John Bielat Jr	1979	John Johnston	2000	James Smith
1937	Clinton Grossman	1954	Lloyd Whitney Jr	1970	Donald Samowski	1979	Kin-Chan Chen	2002	Mary Gillis
1937	Mary Jo Leahey	1954	Joseph Iannazzi	1970	Francis Sevigny	1979	Peter Gagne	2002	Sheri Nilsen
1938	Dorothy Welch Breen	1954	Charles Sturm	1970	Yu Wang	1980	Karen Page	2003	Joanne Lindmark
1939	Estanislao Ocoma	1954	David Austin	1971	Judith Ozdemirer	1981	Edwin Zale Jr	2006	Charles Panek
1940	Helen Fiske	1955	Margaret Thomas Doyle	1971	Robert Moran	1982	Gary Richard	2006	Russell Willingham Jr
1940	Alice Foye	1955	Ellen Lyons Martin	1972	Gary Federici	1982	Catherine Privitera	2008	Kim Forte
1941	Phyllis Pidgeon Colucci	1955	Barbara Slavin Axon	1972	James Fiore	1982	Gerald Halstead		Rudolph Deanin
1941	D. Ethel Cleary	1957	Terry Husson Kadir	1972	Peter Mazur	1982	James McCaffrey		Brenda Pinardi
1941	Sidney Saltsman	1957	Sultana Poulos Daoulas	1972	James Pelletier	1983	Petra Grant Kivikoski		Leo King
1942	Ellen Tierney O'Toole	1957	Lewis Miller	1973	Robert Coleman	1983	William Cooper		

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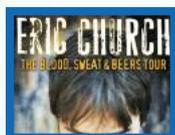
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