

UMass Lowell

MAGAZINE FOR ALUMNI AND FRIENDS

125

Reasons Why There's No Place Like UMass Lowell



The people, places and passions behind our first-ever fundraising campaign

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A Message from Jacqueline Moloney '75, '92

When you work at a university, you're surrounded by stories.

Every day at UMass Lowell, I hear stories that inspire me—about students who are the first in their families to attend college; about faculty members whose research is changing their fields; about advances our new, first-rate facilities are making possible; about athletes who overcome all the obstacles in their paths and inspire us to do the same.

You'll find many amazing stories in this issue of the magazine, which features 125 things that make this university a truly special place. But the truth is that all of us at UMass Lowell are part of an amazing story, because we are part of a place that changes lives.

Changing lives is the heart of Our Legacy, Our Place: The Campaign for UMass Lowell, which had its public launch in April. This campaign is our chance to write the next chapter in our story, by providing the support that today's smart, hardworking students need to succeed. And by changing their lives, we will transform our region, our country and our world.

Every one of you has a place at UMass Lowell, and in this campaign. Thank you for being part of our story.

Sincerely,

Handwritten signature of Jacqueline Moloney

Jacqueline Moloney '75, '92



UMass Lowell MAGAZINE FOR ALUMNI AND FRIENDS

Cover Story



125 Reasons Why There's No Place Like UMass Lowell 04

The number 125 is pretty significant around here. Not only has the university been around for nearly that many years, it's also the number of dollars—in millions—that UMass Lowell aims to raise in its first-ever comprehensive fundraising and engagement campaign. But Our Legacy, Our Place isn't really about the money. It's about the people, places and passions that make this university special. In this issue we share 125 of them.

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EDITOR'S NOTE: Please send comments to Editor Sarah McAdams Corbett at Sarah_Corbett@uml.edu. Submit class notes at www.uml.edu/advancement/classnotes.



The UMass Lowell Magazine for Alumni and Friends has been honored with multiple Hermes Creative Awards, a Silver Bell Ringer, a CASE District I Silver Excellence Award, an APEX Award of Excellence, a Higher Ed Marketing Award and honorable mentions in the PR Daily Awards and the PR Daily Nonprofit PR Awards.

LOWELL TEXTILE SCHOOL • MASSACHUSETTS STATE NORMAL SCHOOL • STATE TEACHERS COLLEGE AT LOWELL • LOWELL TEXTILE INSTITUTE
LOWELL TECHNOLOGICAL INSTITUTE • MASSACHUSETTS STATE COLLEGE AT LOWELL • LOWELL STATE COLLEGE • UNIVERSITY OF LOWELL

FLOW RIDERS

A group of UMass Lowell Outdoor Adventure Program student trip leaders and staff traveled to Maine for a few days of kayak touring and job training. The group members carried everything they needed—food, fresh water, clothes, tents and equipment—in and on their boats, shown here on Casco Bay.

“For a few days we used our phones only to take pictures,” says Kevin Soleil ’05, assistant director of outdoor and bicycle programs. “By the end, the group was exhausted but also satisfied, refreshed and inspired—and ready to share that experience with the students of UMass Lowell.” The Outdoor Adventure Program will visit the Maine Island Trail again this May.



125

Reasons Why There's No Place Like UMass Lowell



Take your place today at uml.edu/ourlegacy-ourplace.

The people, places and passions behind our first-ever fundraising campaign

BIG fundraising campaigns always involve BIG numbers.

That's certainly the case for *Our Legacy, Our Place*—UMass Lowell's first-ever comprehensive fundraising and alumni engagement campaign, which officially launched this spring.

Our campaign goals: To raise \$125 million by Jan. 1, 2020. To become the third-largest public university in New England, with 20,000 students enrolled. To grow our sponsored research to \$114 million, and our endowment to \$115 million.

But here's a secret: *Our Legacy, Our Place* is really all about our stories. Yours is one of them.

Maybe you were the first in your family to attend college, and you worked two or three jobs to pay your way through.

Maybe your family was newly arrived in this country, and your parents knew that college was the key to your future.

Maybe you met your mentor here—the professor or coach who inspired and challenged you and changed the course of your life.

Maybe you wrote your first software application here—or your first novel. Headlined your first concert. Won your first championship title.

Our place is made of our stories, and our stories make our place what it is—a place of opportunity and achievement, determination and innovation. And that's been our story since our founding 122 years ago.

Our Legacy, Our Place is our chance to continue that story—to extend the proud legacy we've inherited to a new generation of achievers and innovators.

By investing in student scholarships, our first-rate faculty, our growing campus and our Division I athletics program, we can change lives. You are an essential part of this story, and this campaign.

On the following pages, we share 125 things that make UMass Lowell worth supporting—one for every million dollars we're aiming to raise.

And now, in no particular order ...

11 We've always been an ambitious university—and we still are.



Here's *Our Legacy, Our Place* by the Numbers.

\$125 Million
Our goal.

\$78.5M
Commitments that donors have already made to the campaign—pretty awesome, right?

5 Campaign priorities:
• Increase student scholarships
• Invest in our first-rate faculty
• Enhance our facilities and campus
• Bolster our Division I athletics program
• Strengthen alumni engagement

21% The portion of UMass Lowell's current operating budget that is state funded.
DOWN from 70 percent two decades ago.

450 Our total number of endowed funds.
Close to one-third of them have been created in the past three years.

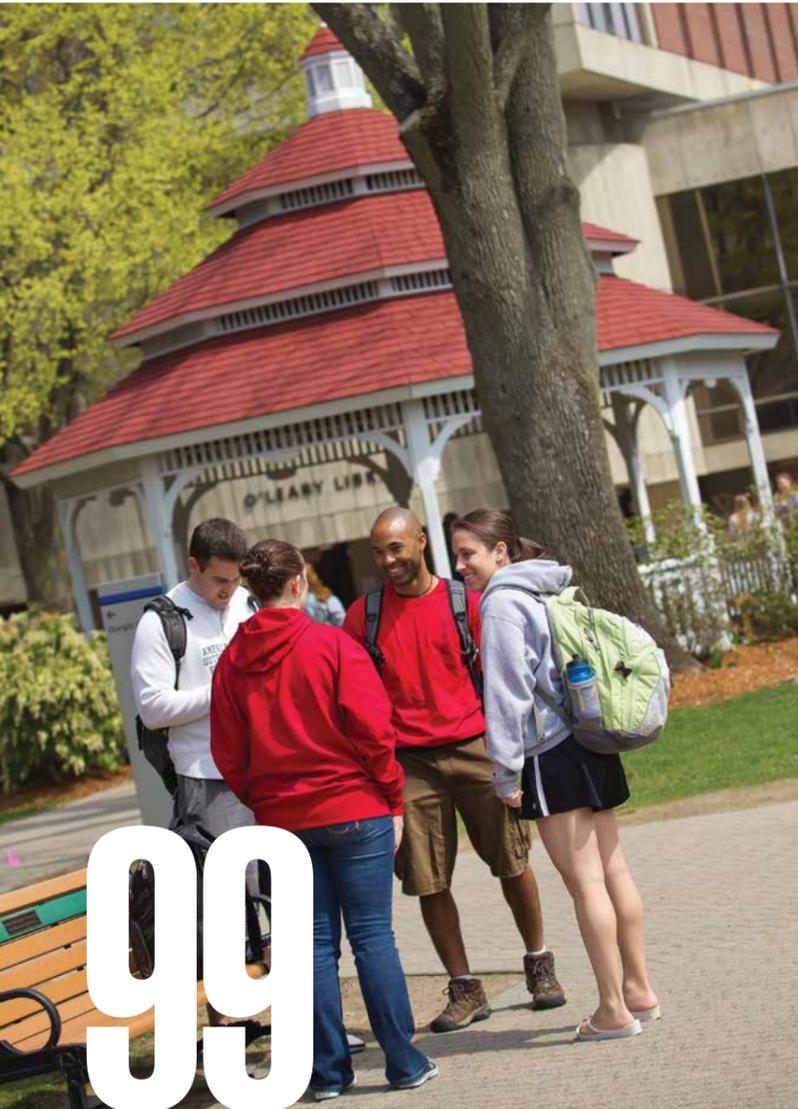
90% The portion of demonstrated student need UMass Lowell currently meets. *That's a gap we can close.*

62% The increase in alumni giving since 2009. *Can you feel the momentum?*

2020 Also, our 2020 Strategic Plan, which articulates a vision for UMass Lowell in the year 2020 and establishes the campaign priorities that will help us get there.
OUR DEADLINE: Midnight, Jan. 1, 2020.

12,580 Total number of donors who gave last year.

You see, every gift—*no matter the size*—creates an even greater legacy.



99

Once you're here, you tend to want to stick around.

Eighty-six percent of UMass Lowell freshmen continue on to their sophomore year—a higher rate than the national average of about 77 percent.

16 We're the fourth-most-underrated college in the country, according to Business Insider magazine (and we take that as a compliment).

81



Our online programs are some of the best in the nation.

U.S. News & World Report ranks UMass Lowell's online programs as some of the best in the United States for 2016. The university's online bachelor's degrees are ranked 39th among those offered by all public and private institutions in the U.S. and its online graduate degrees in education are ninth in the nation.



59

We're certified tree-huggers

In a city synonymous with the Industrial Revolution, and on a campus comprised of century-old academic halls, historic mills and gleaming glass structures, we still treasure our trees.

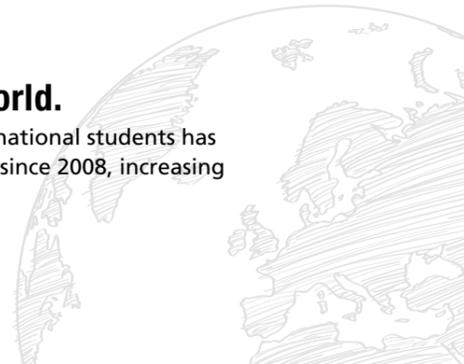
In March, the university received "Tree Campus USA" status from the Arbor Day Foundation. The national program recognizes institutions that effectively manage their campus trees, connect with the community to foster healthy urban forests and engage their students with service-learning opportunities.

On National Arbor Day, observed on the last Friday every April, students work with the Office of Sustainability to plant new trees for future generations of River Hawks to enjoy.

5

We are the world.

Enrollment by international students has more than doubled since 2008, increasing from 504 to 1,401.



112

We know disabilities don't limit people.

"Without your belief in me, I would not be the man I am today," Ernesto Maurissaint '15 wrote to School of Nursing faculty shortly after he passed the state's nursing board exam on his first try. Maurissaint's road to success

was not an easy one. Diagnosed in elementary school with a learning disability, he struggled throughout middle and high school, feeling ashamed that he wasn't smart enough.

However, his dream of becoming a nurse never wavered ever since he witnessed the compassionate care his mother received as she suffered from kidney disease when he was 10 years old. With support from UMass Lowell's Bring Diversity to Nursing program—an initiative that provides scholarships, stipends, technology equipment, tutoring and mentoring to diverse students—Maurissaint recently realized his dream.

He wrote: "I chose UMass Lowell because of the supportive faculty and endless resources. I feel that you shaped me to be an extraordinary nurse and I thank you for all the kindness I've seen from you all." Always seeking opportunities to improve, Maurissaint decided to continue to build his skills in the Collaborative New Post-Graduate Residency Program through UMass Lowell in partnership with Lowell General Hospital and Genesis HealthCare. "I want to be the best nurse I can be before these patients' lives are in my hands alone," he says.—KA

75

Our students can do research almost from day one.

Our research and community co-ops allow select freshmen to work alongside a professor on a significant project during the summer following their first year. Bonus: They earn money to help pay for school.



One word: plastics.

40

Plastics are said to be the most versatile materials on Earth—but there are only two accredited undergraduate plastics engineering programs in the United States. UMass Lowell has one of them.

Founded in 1954, the Plastics Engineering Department is an internationally recognized leader in plastics engineering education. Focused on research, the

department offers the only ABET-accredited plastics engineering program in the country.

More than 3,000 of the university's graduates are working in the plastics industry in leadership positions worldwide. Feedback from those alumni has been critical to helping the department stay on the forefront of plastics manufacturing and design technologies.

The department has 20,000 square feet of dedicated laboratory space. Industry leaders and university partners have supported the program through the generous donation of equipment, machinery, materials and software—exposing students to all of the major plastics manufacturing, design, and testing technologies.



52

The Honors College at UMass Lowell

We're honorable.

UMass Lowell elevated its honors program to an Honors College as of the fall 2014 semester. Since 2008, the number of honors students has increased from 298 to 1,080.

We're helping make the workplace **Lovely**.

43

A bachelor's degree in industrial management from UMass Lowell in 1992 helped Bill Lovely launch his career as an environmental scientist. For the past 13 years, he has been working for the U.S. Environmental Protection Agency in the Boston office overseeing the cleanup of hazardous waste sites in the federal Superfund program. Before that, he was an environmental project manager at Gulf Oil, where he oversaw the underground storage tank program in four northeastern states.

Now he's back at UMass Lowell pursuing a master's degree in work environment with a concentration in cleaner production and pollution prevention. His goal? To move from cleanup to prevention.

He came to the right place. UMass Lowell's Work Environment program is considered

the nation's leading graduate program in designing safe and healthy work standards.

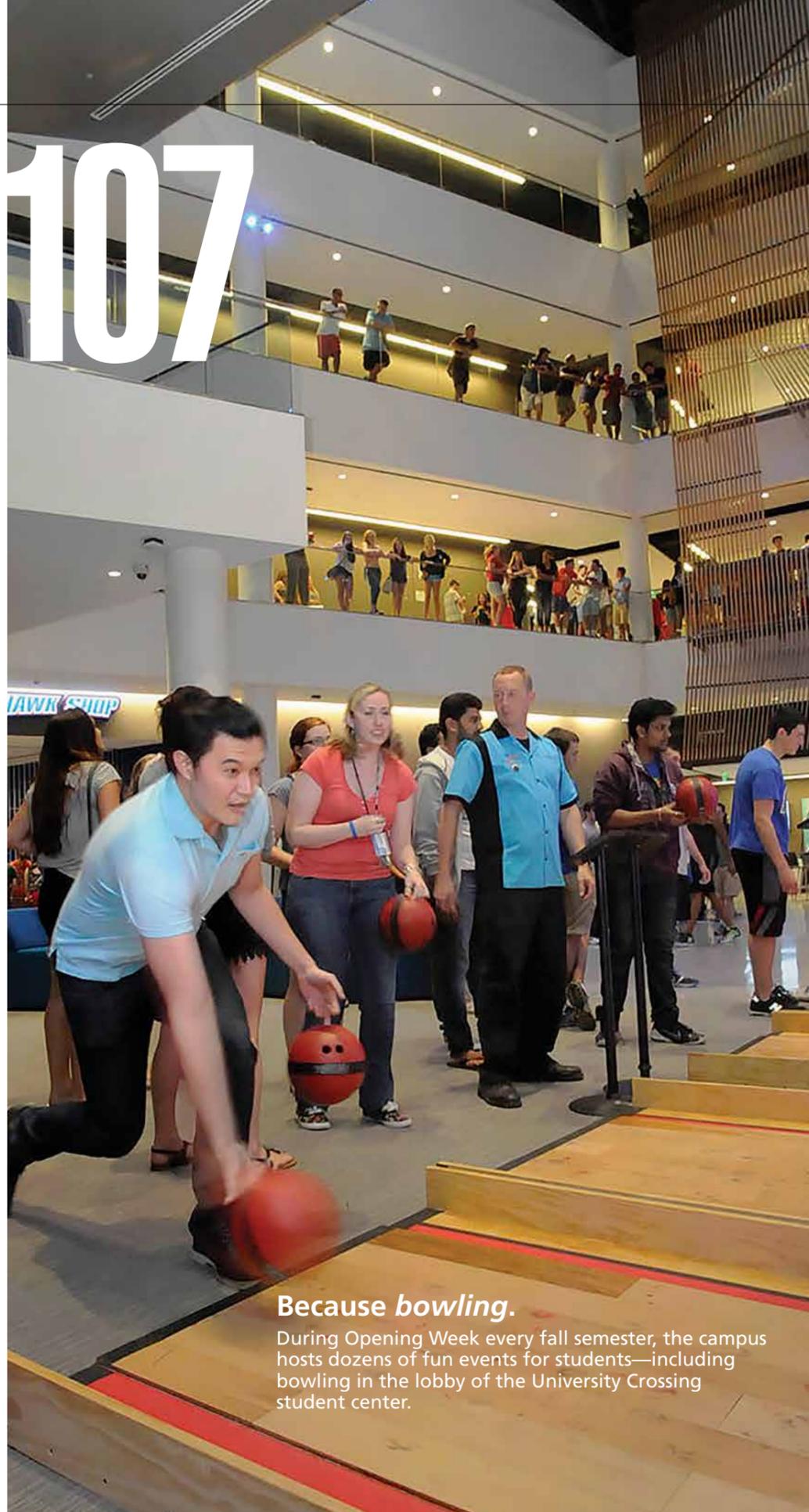
But Lovely wouldn't be able to take advantage of it without the financial support he's receiving from the W. Hardie Shepard Memorial Endowed Prize. Lovely faced financial challenges to gain the skills to keep him current in his job.

"As a divorced father with two children, I am trying to balance my financial responsibilities as a father with my academic and career goals, particularly in light of the fact that I must bear complete financial responsibility for funding my professional development," he says. "The Hardie Shepard award has allowed me to continue my education and avoid making the difficult decision to leave the program." —KA

37 Our fans rock.

UMass Lowell ranks No. 8 in the NCAA for annual hockey attendance and averages more than 5,000 fans per game.

107



Because bowling.

During Opening Week every fall semester, the campus hosts dozens of fun events for students—including bowling in the lobby of the University Crossing student center.



13

We use art as a tool for peace.

The news is filled with it. Terrorism in Paris. Shootings in schools and movie theaters. Lockdowns in cities like Brussels and Boston. For children, these events can be especially frightening, and UMass Lowell graphic design Asst. Prof. Ingrid Hess is determined to use art to help young people cope and understand these dangerous days.

"Art is a particularly effective tool when educating young children about peace," she says. "Even when children can't read, they are able to understand visual images and create their own. Exposing children to images and teachings about peace helps them become peacemakers themselves."

This winter, Hess had a solo exhibit "Why Peace?" in Ohio, at the Dayton International Peace Museum. Founded in 2004, the museum honors the 1995 Dayton Peace Accords that ended the war in Bosnia. Her exhibit presented 22 cut-paper prints, each of which focuses the child's attention on a subject—flowers, for example—that is accompanied by a verbal description of how a child might use the subject in peacemaking, like giving a flower to a friend.—SE

69

Our trading room.

One of the most anticipated features of the new Pulichino Tong Business Center is the Finance Lab and Trading Room, a high-tech space where Manning School of Business students will learn and work on Bloomberg terminals, surrounded by scrolling stock tickers and big-screen TVs reporting the latest industry news.

But students don't have to wait for the new building to open next year to get their hands on Bloomberg terminals, the industry-standard computer system that more than 320,000 business professionals in 160 countries around the world use to access real-time market data, as well as powerful analytics, news and research tools.

With the opening of the Bloomberg Center this semester in Pasteur Hall, students and faculty from across the Manning School now have access to 12 brand-new Bloomberg terminals—along with training resources to help them get the most out of the system.

"I couldn't be more excited for our students," says Manning School Interim Dean Scott Latham, who thanked Rob Manning '84 for providing the financial resources necessary to help the school subscribe to the Bloomberg Professional service. In addition to the 12 twin-screen computer terminals, the service includes free web licenses that allow faculty to access the system remotely on almost any device.

According to Prof. Yash Puri, Finance Department chair, the investment is worth every penny.

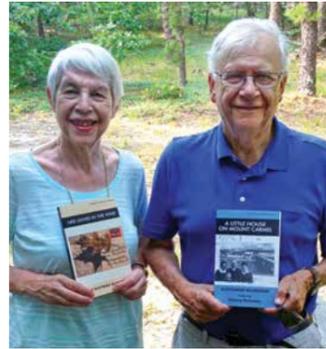
"This gives our students a competitive advantage in the marketplace," he says. "Bloomberg terminals are used throughout the industry, and the idea was to build that into the curriculum. We want to get all students Bloomberg-certified so that when they go to an employer, they have the tools necessary to hit the ground running."—EB



Our professors touch the lives of thousands of students.

72

Although she is now in her 80s, Rita Blumstein still recalls the advice her mother, Anna Blattberg, gave her as a small child: "You will never regret what you have done for people. But you will always regret what you have not done for them."



What makes that advice remarkable are the circumstances in which it was offered: Blumstein's family were Polish Jews living under occupation—first by the Nazis, then the Soviets.

What makes that advice poignant is how thoroughly Blumstein and her husband, Alexandre—like her, a Holocaust survivor—have taken it to heart. As chemistry professors at UMass Lowell for more than three decades, the Blumsteins touched the lives of thousands of students. And though they've been retired for more than 20 years, they've just endowed a scholarship that will benefit a new generation of students.



The Blumsteins were born in Poland in the years immediately before World War II. Unlike the vast majority of Polish Jews, their immediate families survived the war, but not without great hardship: Rita was sent with her family to a Soviet work camp, and Alex's family spent 18 months in hiding in a cramped, earthen cellar in a rural village close to the front lines.

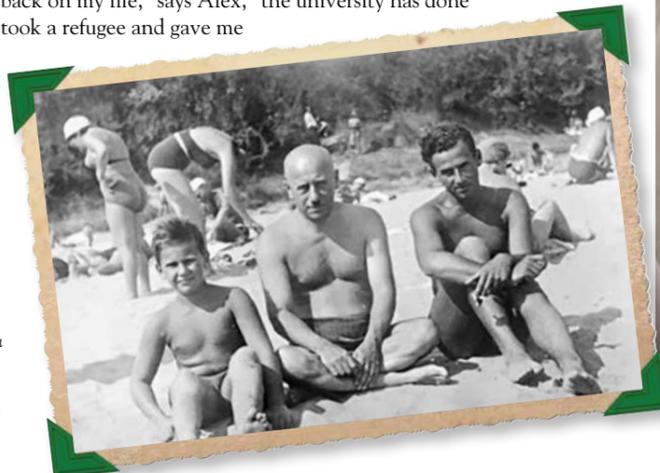
The war took a considerable toll on their schooling, and yet they both went on to become educators, earning their degrees at the Sorbonne and eventually immigrating to the U.S.

In 1964, Alex was offered a position at what was then Lowell Technological Institute. As the first faculty member to receive a National Science Foundation grant, Alex became something of a founding father of the chemistry department's research efforts. Rita, who joined the department in 1974, worked to bring more young women into the sciences.

Lowell is a world away from Poland, and yet the Blumsteins felt a kinship with their students. As Rita told the Lowell Sun, "It's the kind of school where a lot of kids are first-generation students or from an immigrant background. It's something we can relate to."

"When I look back on my life," says Alex, "the university has done so much for me. It took a refugee and gave me an opportunity."

Now, with their new scholarship, they can pass that opportunity along, and make good one more time on Anna Blattberg's sage advice.—BB



Rita and Alex Blumstein with their book, top, Rita as a child, middle, and Alex as a child at the beach with his father and older brother, bottom.

27
62
49

We develop life-saving technologies.

Founded in 2007 as a partnership between UMass Lowell and UMass Medical School, the Massachusetts Medical Device Development Center—or M2D2—helps early-stage startups take new products and technologies from the drawing board to the marketplace. M2D2 has worked with more than 100 companies that have secured more than \$40 million in external funding for their ventures.

In 2011, M2D2 opened a business incubator at UMass Lowell and expanded it in 2015 to a second location—UMass Lowell's Innovation Hub in downtown Lowell—to serve even more entrepreneurs. The Donahue Institute estimates that M2D2's total economic impact on the region was \$75 million in 2014.



27

We have Marty on our side.

He went here, he led here—and now, as president of the UMass system, he has even more influence as a tenacious champion for public higher education across Massachusetts. We're pretty glad to have Marty Meehan '78 in our corner.



If Meryl Streep believes in our students ...

18

When actress Meryl Streep visited the campus two years ago, her talk at the Tsongas Center raised more than \$230,000 for two endowed scholarship funds. The Streep scholarship supports outstanding English majors; the Joan Hertzberg scholarship, which memorializes a former college classmate and friend of Streep's, assists students who excel in math, as Hertzberg did. The first recipients are high-performing students with a strong work ethic.

One of them—English major Kelsey McDonough—says the Streep Scholarship relieved her of the need to find a second part-time job. Instead, she was able to participate in the Emerging Scholars program, researching the role of domestic objects in modernist women's literature with Prof. Marlowe Miller. McDonough has been invited to present a paper based on her research, "From a Shawl to a Shield: Domestic Object as Self Protection," at the 2016 Virginia Woolf conference in Leeds, England, this June.

Fittingly, she also loves to act. "I audition a lot, but I find a way to get involved, whether or not I get a role in a show," says McDonough, who is treasurer of the Off-Broadway Players, the campus theater club.—KW



62

We're pole-vaulting to success.

Freshman pole vaulter Vladimir Poposoi broke his own university record in January, clearing the bar at 15-feet, 9-inches at a meet at Boston University. (Fourteen days earlier he had crossed Garrett King's name off the leader board and replaced it with his own.) Not a bad metaphor for UMass Lowell's own flight path.



We're searching for Earth 2.0

Our astrophysicists led by Prof. Supriya Chakrabarti has been awarded \$5.6 million by NASA to look for Earth-like planets orbiting sun-like stars in the Milky Way that are capable of supporting life.

The instrument they are developing and testing—dubbed the Planetary Imaging Concept Testbed Using a Recoverable Experiment – Coronagraph, or PICTURE C—is scheduled to be launched on two separate flights, in the fall of 2017 and 2019, from the Columbia Scientific Balloon Facility in Fort Sumner, N.M., where it would be carried aloft to the edge of Earth's atmosphere using helium balloons several stories tall.

96

12

LOOK WHAT WE'VE DONE WITH THE PLACE!

UMass Lowell has invested more than \$600 million in construction and acquisitions since 2007, opening 12 buildings—including six in just a year's time. But we've also made extensive renovations to existing buildings, added green space, improved all signage and installed innovative classroom technology across campus.

1. UMass Lowell Inn & Conference Center (2009)
2. Tsongas Center at UMass Lowell (2010)
3. Mark and Elisia Saab Emerging Technologies and Innovation Center (2012)
4. North Campus parking garage (2012)
5. Health and Social Sciences Building (2013)
6. South Campus parking garage (2013)
7. University Suites (2013)
8. Riverview Suites West (2013)
9. University Crossing (2014)
10. Charles J. Hoff Alumni Scholarship Center (2014)
11. Riverview Suites East (2015)
12. McGauvran Center (2015)
13. Pulichino Tong Business Center (2017)



RIP South Campus Dining

Opened in 1972, South Campus Dining provided a welcoming spot for students to nosh, study and socialize. But with the recent \$34 million renovation of the McGauvran Center, the old dining hall was rendered obsolete.

Before swinging a ceremonial sledgehammer to commence the demolition of the building, Chancellor Jacquie Moloney flashed back four decades to her undergrad days, when she wielded a spatula there to flip burgers for hungry classmates. "I had friends in Dining Services and every once in awhile they'd need extra help," she recalls. "I had worked in a diner, so I knew all about getting behind the grill and flipping burgers."

When the bricks and rubble are cleared and South Campus Dining is nothing but a memory, in its place will be "this beautiful mall, right up to the grand dame of all buildings, Coburn Hall," Moloney says. "We're very excited."

12



24

Your generosity is ever widening.

As of 10 years ago, the university had only received one million-dollar donation in its history—thanks, Mary Jo Leahey '37 (deceased). Today, we count more than two dozen in our Circle of Distinction, including:



We love our veterans.

There are currently 1,600 veterans enrolled at UMass Lowell, a more than 300 percent increase since 2011. In 2015, U.S. Veterans Magazine named us among its top veteran friendly schools in its annual Best of the Best awards. In the Military Times' 2016 Best for Vets ranking, meanwhile, UMass Lowell is the only Massachusetts institution ranked among the 100 top four-year colleges and universities in the nation.

97

- Gerald '78 and Joyce '77 Colella
- Jeffrey Cosiol '67
- James '80 and Deborah Dandeneau
- Gururaj Deshpande '08 (H) and Jaishree Deshpande
- Richard* '91 (H) and Nancy Donahue '13 (H)
- Charles '66, '04 (H) and Josephine Hoff
- John F. Kennedy '70
- L. Donald '59, '07 (H) and Gloria LaTorre
- Mary Jo Leahey* '37, '08 (H)
- Robert '84, '11 (H) and Donna '85, '91, '11 (H) Manning
- Francis '56, '00 (H) and Tonita McKone
- David Pernick * '41, '06 (H)
- Barry '68, '15 (H) and Janice Perry
- John V. Pulichino '67, '14 (H) and Joy Tong '14 (H)
- Mark '81, '13 (H) and Elisia '13 (H) Saab
- Anil and Abha '88 Singhal
- Robert '71, '12 (H) and Gail Ward
- Roy J. Zuckerberg '58, '99 (H)

* deceased

61

Our ROI rocks.

We are No.1 among New England public research universities for 20-year return on investment, according to PayScale.com.

46

Our students start innovative companies.

Kids grow, but metal doesn't. This simple truth has made prosthetic arms and legs for poor children in the developing world a dream, always out of reach. At thousands of dollars per unit, they're just too expensive.

Erin Keaney and a few of her engineering classmates at UMass Lowell don't accept that.

What started as a project in the university's DifferenceMaker entrepreneurship program is now a company poised to revolutionize the prosthetics industry. Using medical-grade plastics in place of heavier, more expensive metal components, Nonspec—named among Entrepreneur Magazine's Top 10 College Entrepreneurs—plans to bring its product to market at roughly \$20 per unit.

Because of its telescope design, says Keaney, "children won't need new prosthetics every time they grow, allowing them to develop their muscles regularly, and enjoy a more normal, active life."

Currently testing its prosthetics in India with great success, the team is determined to make an impact. "When we get to see people walking around on our limb, we can see the difference all our work makes," says Keaney. ■



78

Our alumni are making the world prettier.

Our own Taniya Nayak '97 has gone from painting a sunflower-inspired accent table for her freshman dorm room at Fox Hall to serving as brand ambassador for E.D. on Air, the new QVC home collection by Ellen DeGeneres. She's starred on more than 100 episodes of Food TV's "Restaurant: Impossible," in addition to appearing on HGTV's "Designed to Sell," "Billion Dollar Block," "House Hunters on Vacation" and "Urban Oasis."

She has her own design firm—Taniya Nayak Design LLC—where she is currently creating interior designs for a number of Ruth's Chris Steak Houses nationwide (working with Cheryl Henry '96, chief branding officer of Ruth's Hospitality Group), Boston Bruins star Patrice Bergeron's home and a plethora of restaurants—including several Boston hotspots owned with her husband, restaurant mogul Brian O'Donnell. Her design tips have appeared in Architectural Digest India, HGTV Magazine, People, Cosmopolitan, Glamour and The Washington Post, and she's appeared on "The Oprah Winfrey Show," "Good Morning America," "The View," "Today," "The Early Show" and "The Talk," and is a regular on "Rachael Ray." —SE



We have a way of attracting the hardware.

For all its rigorous intensity, the Music Department's Sound Recording Technology program has a way of paying dividends at Grammy time.

Ask Joel Plante, who is probably still reeling a bit after his 2016 win (shared with his boss, James Guthrie) for a surround sound mix of Roger Waters' "Amused to Death."



Plante used to listen to Waters' band, Pink Floyd, when he was a kid.

"It's pretty surreal," said Plante a few days after the win.

Plante came to UMass Lowell after learning about the SRT program.

"Berklee was stupid money," he says. "And I saw Lowell had this incredible program. I checked it out and it was perfect. I had to go."

Adam Ayan '97, a mastering engineer at Gateway Mastering Studios in Portland, Maine, has been involved in 33 Grammy-winning projects, and has a handful of personal Grammys to show for his specific contributions.

Mark Donahue '99—a mastering engineer with Soundmirror Inc. in Jamaica Plain since 1992—has six Grammy Awards, including one from the 2016 ceremony. —DP



45

31

LOOK AT THIS ROBOT!



Valkyrie, NASA's latest generation of humanoid robots, stands 6 feet, 2 inches tall and weighs about 300 pounds. And it lives on UMass Lowell's campus—at least for the next two years. The R5 robot is shacking up at the university's New England Robotics Validation and Experimentation Center—where companies like iRobot test their robots—while researchers conduct experiments on how the machine can assist astronauts in future space exploration. The project is part of a research collaboration between Northeastern University and UMass Lowell that is funded with up to \$500,000 from NASA.

113 Our alumni put the smart in smartphone.

Rich Miner '86, '89, '97, earned a doctorate in computer science here before becoming a founder of Android, which was sold to Google for \$50 million.

76

We're inclusive to all.

As just one example, the university is currently converting 40 restrooms on campus to gender-neutral.



28

We're turning scientists into STEM educators.

As a freshman, biology major Adam Pandolph was torn—should he work in industry or education? To help decide, he enrolled in the university's UTeach program, an initiative that prepares a new generation of science, technology, engineering and mathematics (STEM) teachers.

"I'm really passionate about biology," says Pandolph, who is now in his senior year and is teaching biology at Chelmsford High School. "The UTeach program allows me to continue majoring in biology while taking courses that also prepare me for teaching so that I can get students as excited as I am about biology."

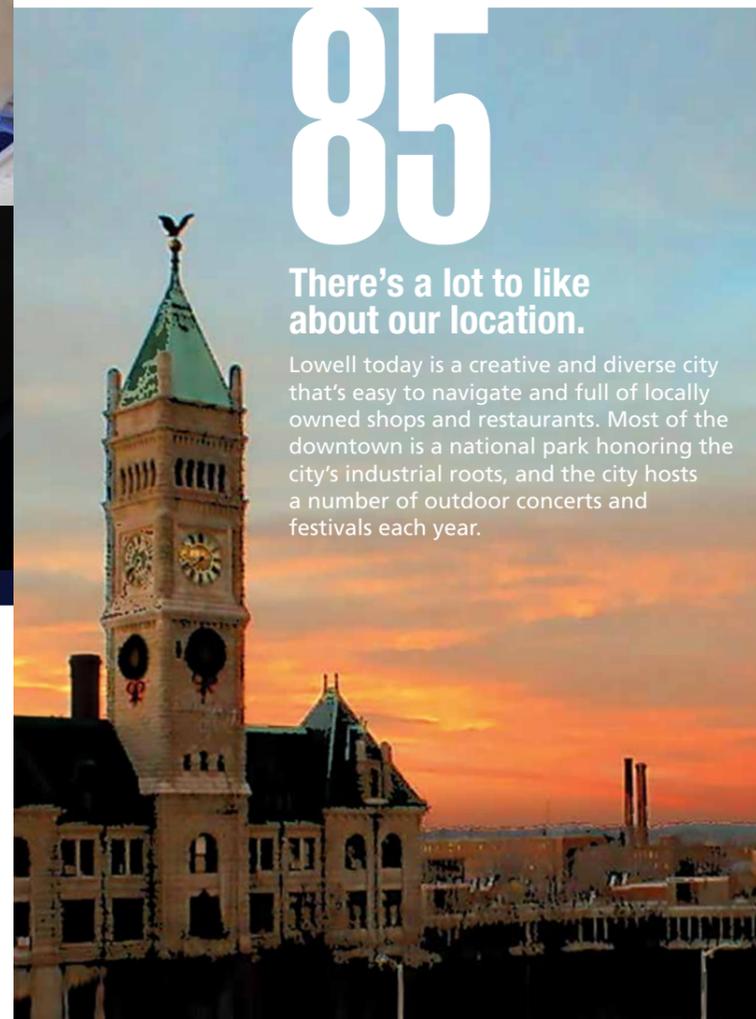
Director of the UTeach program and Lecturer in the Graduate School of Education Sumudu Lewis says that UTeach is a great program for science majors. "Students graduate with two career pathways—a STEM degree and a teacher certification," she says.



85

There's a lot to like about our location.

Lowell today is a creative and diverse city that's easy to navigate and full of locally owned shops and restaurants. Most of the downtown is a national park honoring the city's industrial roots, and the city hosts a number of outdoor concerts and festivals each year.



66



Our athletes are also scholars.

The university placed 175 student-athletes on the most recent America East Winter/Spring Honor Roll, the most for any of the conference's nine member institutions. Sixteen hockey players, meanwhile, were named to the Hockey East All-Academic Team, third most in the 10-team conference. Overall, the cumulative student-athlete GPA for that semester was 3.149. What's more, 107 of the university's 430 student-athletes currently have cumulative GPAs of 3.5 or higher.

Our weather men and women.

Our atmospheric science students provide official weather monitoring for the Boston Marathon from five locations on the most famous 26.2-mile route in sports. Many of them have gone on to fast-paced careers as meteorologists in television (like Fox25 Boston's Sarah Wroblewski '05 and Shiri Spear '07 and CBS Boston's Barry Burbank '72 and Danielle Niles '06).



92

Our students get capital experience.

Scholarships help our political science and criminal justice majors spend a summer or a semester in the nation's capital, studying at The Washington Center and interning for a government agency, elected official or local organization. This summer, we're sending students to the Democratic and Republican nominating conventions, too.

"For students who are interested in the political experience, this is Woodstock. It's total immersion in national politics," says Frank Talty, assistant dean of Fine Arts, Humanities and Social Sciences, who oversees The Washington Center partnership. Students will study convention history and nominating strategy, go to parties and rallies and volunteer in helping roles.

33



Our frequency

WUML, 91.5, is one of the longest running, 100 percent student-run college radio stations in the nation. Founded in a dorm room by Ed Bonacci '54, it's played the best in "underground music"—and provided a voice for emerging artists and the Lowell community—since 1952.



91



84

We're bridging the gap between research and solutions that change lives.

Research expenditures totaled \$66 million in fiscal year 2015, up from \$36 million in 2007.

We're helping young women find careers in engineering.

41

Rajia Abdelaziz, a senior from Nashua, N.H., and double major in electrical engineering and computer science, was elected president of the campus chapter of the Society of Women Engineers after promising to double the number of members who could attend the annual SWE convention and job fair. Historically, they've been able to send only about 10 members a year.

Engineering Dean Joseph Hartman provided some of the money from a discretionary fund he uses to support student organizations and the group raised the rest by hosting bake sales, but something about that didn't feel right to Abdelaziz.

"I'm opposed to bake sales," she says. "It's a terrible image. We're trying to go for female empowerment—and selling cupcakes and cookies doesn't fit that."

So Abdelaziz worked with Hartman and the Office of University Advancement on fundraising appeals to engineering companies and alumni.

Last October, all 21 active members of SWE who wanted to attend the convention in Nashville, Tenn., were able to go. Many students received full-time job offers and summer internships as a result.—KW



26

We compete in the most elite athletics division in the country. All 18 of our teams compete in the NCAA's Division I.



Living and learning go better with pizza and doughnuts.

77 For eight years, our Living-Learning Communities have been helping freshmen and transfer students find friends and study partners. Now we have them for upperclass students, too. Faculty advisers organize evening lectures, exam review sessions, tutoring and fitness activities. They also get stipends for the little extra touches that make students feel cared for.

David Adams, who advises the Honors LLC, uses his stipend to encourage good study habits and reduce stress. He passes out coffee and donuts on snowy mornings, brings chicken wings or pizza to group study sessions and hires a bus to take students apple-picking. He holds roving office hours in Leitch Hall, passing out candy to reward students who are studying. And he invites students to join his family for dinner.

"I want them to feel they can come to me when they have issues or problems," he says. His personal approach has paid off, with more students in the LLCs graduating from the Honors College. That success is replicated across the board, says Joel McCarthy-Latimer, assistant dean of student affairs: Of freshmen living in LLCs last year, 90 percent returned as sophomores, compared to 86 percent of those living in general freshman housing and 84 percent of commuters. Sophomores in an LLC are also more likely to return as juniors.—KW



32

Our bird.

UMass Lowell's teams and mascot, Rowdy, have been known as River Hawks since the 1990s. The name pays tribute to the birds of various species who, like the university, call the banks of the Merrimack River home.

56

We bring acclaimed writers to campus.

Like Stephen King, whose books have thrilled millions of fans. (He donated his speaker's fee to a scholarship for English majors, too.) And three-time U.S. Poet Laureate Robert Pinsky (below, bottom right), founder of the Favorite Poem Project.

And then there's New York Times best-selling novelist Andre Dubus III (below top left), author of "House of Sand and Fog" and "Townie." Dubus, the first Jack Kerouac Writer-in-Residence, loved teaching our students so much that he's now a full-time professor.

Steve Almond (below, bottom left), this year's Kerouac Writer-in-Residence, is another Times best-selling author of fiction and nonfiction books, including "Against Football: One Fan's Reluctant Manifesto." Almond, who is also a provocative op-ed columnist, essayist and radio personality, is teaching undergraduates how to write compelling nonfiction about their passions.

Meanwhile, our expanding and dynamic creative writing faculty—including poets Sandra Lim and Maggie Dietz, nonfiction author Maureen Stanton (at right, top right) and Dubus—enrich students' lives daily while preparing them for careers in writing and teaching.—KW



17

We produce teachers who go beyond the call.

No one asked him to do it. No one would have cared if he hadn't.

Richard Howarth Ed.D '12 already had the job he wanted: as a biology teacher, of more than 10 years standing, at North High School in Worcester. He had his bachelor's, his master's and his CAGS, and the

respect of both students and teachers. He was in his mid-30s by then, with a full load of classes. There seemed no good reason to put himself through hell.

But he didn't see it as hell. He saw it, he says today, as "a major, very worthwhile new challenge." And as something new to learn—"and I believe strongly in learning life-long."

So 10 years ago, he began commuting an hour each way, several times a week, between Worcester and UMass Lowell, to earn his doctorate in education. He kept his full teaching load at North High, and took on, in addition, all the doctoral work required. It took him six years to finish. But in the spring of 2012, he was awarded his Ed.D.

There were other things, too, that he didn't have to do. He didn't have to take his environmental science students on a field trip to Nantucket; or to help develop the instructional tools for the district's teachers; or to arrange a TEDx event—with a medley of presenters, including his former UMass Lowell adviser, Prof. David Lustick—at the school a year ago.

He is 44 today, in his 21st year at North High—and has finally received the recognition he deserves: He was named, two years ago, as Science Department head; and a year later, picked from a trio of finalists chosen by their principals, as Worcester Teacher of the Year.

"He is a model for the North High community," the school's principal wrote in nominating Howarth for the award, "and demonstrates what can be accomplished when a teacher has a zest for learning and understands his students. He guides all of them on a great educational journey."—KA

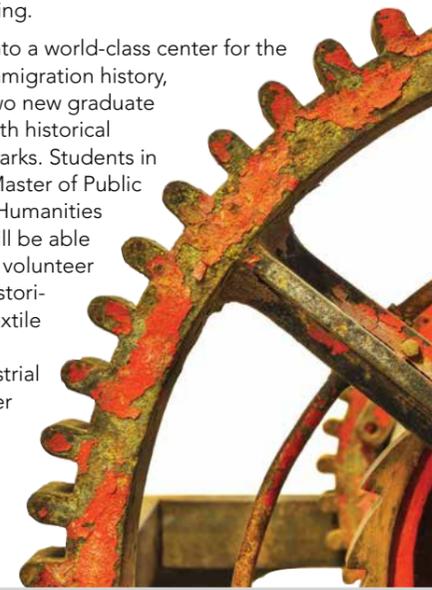
94

We work hard to honor our location in the birthplace of the Industrial Revolution.

Our history has been entwined with Lowell's ever since the late 1890s, when we began as the Lowell Normal School, which trained teachers, and Lowell Textile School, which trained men in textile engineering. Since then, our faculty members have researched Lowell's history, from the waves of immigrants who arrived to work in the textile mills, to the growth of the labor movement and the decline of traditional manufacturing.



Now we're growing into a world-class center for the study of industrial and immigration history, welcoming students in two new graduate programs to a city rich with historical museums, libraries and parks. Students in the M.A. in History and Master of Public Administration in Public Humanities and the Arts programs will be able to do research, work and volunteer at the Lowell National Historical Park, the American Textile History Museum and the university's Tsongas Industrial History Center and Center for Lowell History.—KW



6

We believe diversity matters.

Students from underrepresented and minority groups increased by 117 percent since 2007. In the fall of 2015, 31 percent of undergraduate students identified themselves as being from diverse backgrounds.

Our College of Sciences has a fancy new name.

John Kennedy '70 has a long record of philanthropy and commitment to UMass Lowell, which was recently recognized through the naming of the William J. and John F. Kennedy College of Sciences. He and his older brother, Bill, who passed away in 1994, both graduated from programs in the College of Sciences.

Kennedy is the retired president and chief financial officer of Nova Ventures Corp. In addition to his support for the Kennedy College of Sciences, he endowed multiple scholarships, served on several boards and committees at UMass Lowell and has helped to fund many important initiatives.

47

We run on kindness.

111 Certain things run in families. In the Chamberas family, what runs deep is running itself.

George Chamberas '61 began running in 1954, and didn't stop for the next 50 years. One morning when he got up for his daily run, he found his 11-year-old son, Thomas, waiting for him. "He asked, 'Dad, can I run with you?'" recalls George. "I was so touched."

The pair went out for a jog, and soon Tom was hooked—followed, in short order, by his brothers Michael '92 and Anthony. At UMass Lowell, Tom, a member of the class of 1986, ran track and cross-country all four years, and Michael co-captained the team that won the 1991 Division II cross-country championships.

But Tom's race was cut tragically short in 1994 when he was fatally shot during a workplace robbery. More than 1,000 people attended his funeral, "and everyone had a story," says his mother, Cynthia. Many were about acts of kindness Tom never bothered to mention to his family, like the time he bought a suit for an indigent Vietnam vet, so that the man could march in a veteran's parade. Or the time he paid a woman's gas bill, even though it meant he himself went without heat that month.

"He had," Cynthia says, "a kind heart."

And kind-heartedness is what runs deepest of all in the Chamberas family. In the wake of Tom's death, they were determined to keep his memory alive and, if possible, prevent similar tragedies through education. So they created a scholarship in his memory and worked tirelessly to fundraise for it. Over time, the scholarship has grown to \$100,000, and the Chamberas family has awarded scholarships to 19 UMass Lowell runners.

Last year, they formally endowed the Thomas Chamberas '86 Runners' Memorial Scholarship at UMass Lowell. Now, Tom's spirit and his love for his sport can run deep among a new generation of runners.—BB



25

Our symphonic band camp

Twenty years. That's how long the Mary Jo Leahey Symphonic Band Camp has been around, reaching into the community, making kids' lives better through music. Named for founding visionary Mary Jo Leahey '37, who passed away in 2011, the weeklong summer camp makes a difference in the lives of young musicians. UMass Lowell music majors have an opportunity to work alongside faculty and staff, with 130 students grades 8-12, from across New England. It's all there for the university's future music educators—teaching, conducting, logistics, classroom management. The 20th anniversary camp session will be held this July and, according to director Debra-Nicole Huber, alumni have been invited back for a reception.

We provide opportunity for low-income students.

In March, the U.S. Education Department released a report called "Fulfilling the Promise, Serving the Need," which applauds colleges that enroll and graduate students from all backgrounds. According to the findings, only 150 four-year schools in the country enroll a significant number of students with Pell grants, federal money provided to those with financial need.

Among them is UMass Lowell, which was recognized along with Amherst College, Harvard and MIT in the Northeast. UMass Lowell increased the number of its students who receive Pell grants by 10 percent between 2008 and 2013. In that same period, more than half of Pell recipients at UMass Lowell graduated within six years.

86

123



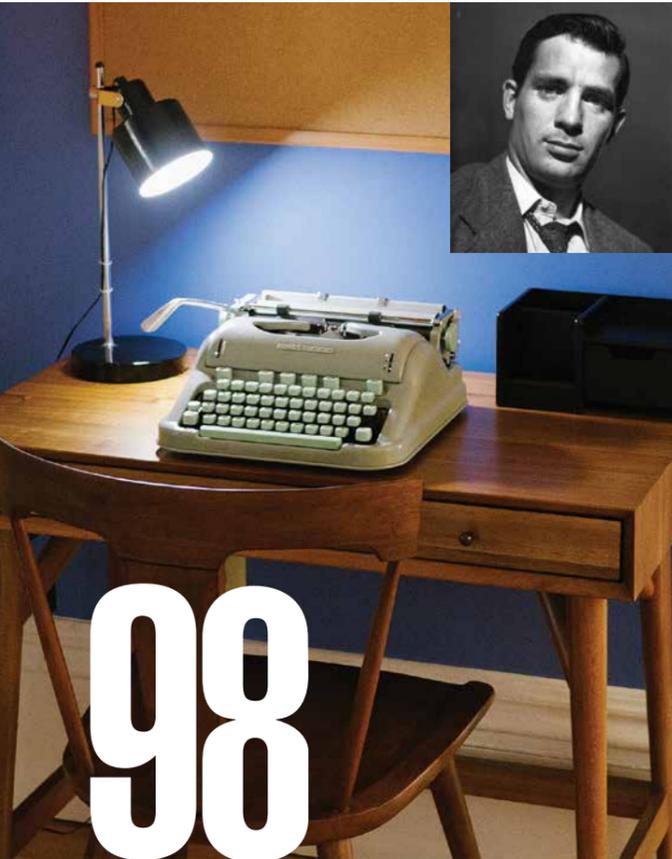
We embrace nontraditional students.

Clarissa Eaton was 44 when she decided to finish the bachelor's degree she'd begun half a lifetime ago. She attended Boston University for three semesters before leaving at age 19 to buy a ballet studio in Littleton and get married. Seven years later, she was a single mom with two kids and two jobs: running L'Ecole de Ballet and teaching preschool. Since then, she's added a third, a part-time job with the Thoreau Society.

Now 47, Eaton will graduate from UMass Lowell this May with double majors in English and psychology after three years of taking on-line and on-campus classes through the Division of Online and Continuing Education. She plans to go on to a Ph.D. program in English so she can teach college students one day.

"I have three jobs, two children and two majors," she jokes. "I don't sleep much."

Eaton is one of thousands of nontraditional students in the division, which has seen its enrollments more than double since 2007. This spring the division topped 10,000 online course sign-ups for the first time: With another 2,300 enrollments in on-campus classes, that adds up to an 8.5 percent increase over spring 2015. Total course enrollments for the academic year, online and on-campus, are expected to meet or exceed 36,000.—KW



98

We know Jack.

Jack Kerouac was born in Lowell and is buried here. And some of the writer's most precious possessions—including rudimentary, handmade cat carriers he constructed for his beloved felines, travel souvenirs and his writing desk—have found a home at UMass Lowell. John Sampas, Kerouac's brother-in-law and executor of his literary estate, donated some of the writer's personal items to the university in 2013. They are now on display as part of the Kerouac Retrieved exhibit at the Allen House. UMass Lowell is also home to the Jack and Stella Kerouac Center for the Public Humanities, founded in 2005, and the UMass Lowell Jack Kerouac Writer-in-Residence Program.—SE

9 Our growth is on fire.

We're the 10TH-FASTEST GROWING public doctoral institution in the nation. Just ask the Chronicle of Higher Education.

Our students help the community, and vice versa.

When Jennifer Vivier was 6 years old, she started going to Girls Inc. of Greater Lowell, where she found encouragement and homework help as she struggled with schoolwork and bullying. Girls Inc. also introduced her to community service: Her favorite activity was the Grandparent Program, when the girls visited senior centers and nursing homes.

After high school, Vivier worked her way through Middlesex Community College with a series of retail jobs, but she always returned to Girls Inc. to volunteer. When she enrolled at UMass Lowell, becoming the first person in her family to pursue a bachelor's degree, she asked Girls Inc. for a job. "They welcomed me back with open arms. I'm like the kid who never left," she says.

Now 29, she is a graphic design major with a minor in digital media and production, an avid volunteer on campus and a program leader at Girls Inc., where she runs the "tween" mentoring program, organizes community art projects and teaches teenagers photography, videography and social media skills.

"She's always taking what she's learning at UMass Lowell and teaching it to the girls," says Jennifer Demers, the program director at Girls Inc., who nominated Vivier for the university's Martin Luther King Jr. Distinguished Service Award.

Vivier also brings "her" girls to campus for art exhibits, basketball games—and the annual King dinner, where she won the award. "I hope I can be the best version of myself each and every day for these young women," she says.

"They're our future generation and I want to show them that anything is possible as long as they believe in themselves."—KW

102



23

Our deans are awesome (with and without blue hair).

As part of Engineering Week in February—which featured a Dean's Cup Challenge student design competition—Francis College of Engineering Dean Joe Hartman promised to dye his hair blue if the college reached 500 donations during a fundraising drive. Good thing it's his color.



We're all about second chances—and our alumni know how to make the most of them.

He was a party boy. As a teenager in New Jersey in the late '70s, living in a town just across the bridge from Manhattan, Glenn Morgan '86 would travel into the city on weekend nights and party till the bars closed down. A year or two later, as a new freshman at ULowell—which he'd chosen, he says, mostly "because they had a good hockey team and I'd heard that engineers

made a lot of money"—there were some long, tough nights at a bar on Thorndike Street called Mr. C's:

"I got into some trouble there—let's just leave it at that." Somewhere along the way, he got himself thrown out of the boarding house he was staying at, in which the only rules had been no firearms allowed and no motorcycles above the first floor. ("After I was kicked out," he says, "they added new rules.") Shortly after, inevitably, he flunked out.

That was the beginning of things for Morgan. "I didn't do well at anything," he would tell his UMass Lowell audience years later, on the occasion of being honored last spring with a Distinguished Alumni Award—"except partying."

The turnaround began humbly. He returned home to New Jersey, where he got a job installing refrigerator systems. The work was hard and dirty, the days were long. At some point, he says, he took a look at himself: "It just kind of came to me that I had a choice—either this was going to be my life or I had to see what else I could learn."

He cut down on the partying. He enrolled at a community college, earned mostly C's to begin with, then a couple of B's, and along the way discovered the beginnings of what would be a lifelong love of learning.

That brought him north to Lowell, where he met with then Dean of Students Leo King and asked to be readmitted. The dean, in time, assented (on the condition of academic probation), then pointed the stem of his pipe at the young man across the desk: "I'll be watching you," Morgan remembers he said.

Four years later, in the spring of 1986, following his graduation, magna cum laude with a degree in economics (he would go on to MIT, where he'd earn his master's in process improvement), there was a family party to celebrate. Toward the end of it, his grandmother, still beaming, approached him and seized him by both shoulders: "Jesus, Mary and Joseph, Glenn, we're just so proud of you!" she squealed. "We all thought you'd be in jail by now!"

That was 30 years ago. He is now co-owner of SkyWorld Interactive, a Woburn-based web-development and digital marketing firm, and a former partner or part owner in at least two others. He has a home in Belmont, makes an excellent living, is the father of a son in high school and a daughter in college; his wife is an OB/GYN doctor. Yet none of these were among the principal topics in his address to the school last year.

He talked instead, mostly, about his failures and his fears. And his losses. And what grounded him through all of it, what brought him back for more. He talked about how aimless he'd been as a teen and college freshman, how terrified he was as a young bank employee before his first loan-committee meeting, and again two years later, as a student at MIT when he'd had to defend his research projects to "classrooms full of brainiacs from the future."

And he talked also about the September day, years later, when his father, an emergency management worker for Con Edison in New York, responded to a report from the World Trade Center towers, and never came home. And about how, after his mother's death from cancer soon after, the family home, his childhood home, was sold, his siblings scattered—"and I found I no longer had a place where I could say, 'I'm going home.'"

Much of the credit for his survival through all this, he says today goes to the "second chance" he got from ULowell all those years ago, and, especially, to the caring ways of Dean King: "He watched me, he met with me every month, he guided me to my first success. He personified, for me, the spirit of ULowell." —GD

We try to anticipate the next threat.

Our faculty in the Center for Terrorism and Security Studies research the religious and political roots of terrorism and then apply their findings to emerging threats and violence prevention. They are nationally recognized experts who have won a major government grant to counter domestic terrorism. The center's journal, "Perspectives on Terrorism," is the most widely read of its kind. Now the center is expanding its faculty and offering five new online master's degrees in security studies to prepare the professionals of the future.

80



We're champs.

In October 2015, the men's cross-country team won the university's first America East Conference Championship.

64

109

2 We're Olympians.

When Ruben Sanca '09, '10 competed at the 2012 Summer Olympics in London—running the 5,000 meters for his native Cape Verde—he spent more time in the medical center getting treatment on his bothersome right knee than he did soaking up the experience.

Now that he's healthy (he had a non-cancerous lump removed from his knee after London), the 29-year-old Sanca wants another shot at Olympic glory, this time in the marathon at the 2016 Summer Games in Rio.

"After going through so much hardship to be healthy and to be able to train, I think it would be nice to get back there and really enjoy my experience," says Sanca, associate director of financial administration for Student Affairs.

To qualify for Rio, Sanca needed to run 2:19 at the London Marathon on April 24 (his personal best is 2:18:47). He could still receive a "wild card" entry if he fell short, but Sanca says it wouldn't be the same.

"For me to get the Olympic standard in London would be a huge step for Cape Verde," he says, "because getting an invite and actually being a qualifier are two separate things. The country is making huge strides as far as sports and youth, and I feel lucky to be in the position that I'm in to provide motivation for younger kids."—EB



Photo credit: Emily Maye

105 We're hacks (the good kind).

In the debut of what students hope will become an annual tradition, the university hosted its first-ever hack-a-thon in March. Dubbed Hawkathon in a nod to Rowdy the River Hawk, the 24-hour blitz kicked off at 5 p.m. on a Friday at the university's Innovation Hub in downtown Lowell. Over the next day, more than 100 students from around the Northeast raced to create apps and data tools, and otherwise figure out solutions to problems using technology and creativity. Sponsored by Facebook, DCU, Kronos and Hewlett Packard, the free event was run by students and cut across disciplines, pairing the tech-savvy with business or art majors. "We see entrepreneurship as the glue that connects the business majors to the engineers, and the design majors to the physicists," says university Innovation Fellow Stephen Kender, one of the student organizers.—DP



58 We're making it easier for students to live on campus.

In 1970, female students protested lack of housing. Today, more than 83 percent of freshmen live in residence halls on campus.

We're excited about our growth, but realize our progress is built on that of previous generations.

Thank you, Lowell Normal School, Lowell Textile School, State Teachers College at Lowell, Lowell Technological Institute, Lowell State College and University of Lowell.

95

Jacquie.

The first woman chancellor of the university is one of us. Not only did Jacquie Moloney earn two of her degrees here—in 1975 and 1992—she also perfectly embodies our pioneering spirit of hard work, gratitude and making a difference.



79

We support our students, financially and personally.

Students like Matilda Matovu of Tewksbury, who chose UMass Lowell because she was offered scholarships and work-study jobs that afforded her "the opportunity to come to school and focus on school, instead of worrying about massive loans."

Matovu came here four years ago as a pre-med biology major, discovered an interest in political science, and found the perfect way to combine the two as a public health advocate, thanks to a summer program at The Washington Center and an internship with a public health advocacy group. "I found a passion for public health," says Matovu, who now plans to earn a master's in the field before applying to medical schools.

Matovu also found—and built—a supportive community, first as vice president and president of the Association of Students of African Origin and now as vice president of the Class of 2016. She developed more confidence in both herself and her ability to promote change because she met people who embraced her for her differences, not in spite of them.

"For most of my life I was told to act like my obvious differences didn't matter, but here I was told that they are the most important part of me," she said in her keynote speech at this year's Dr. Martin Luther King Jr. dinner. "I was pushed to distinguish myself and forced to learn about myself and my place in this world—and I am 100 times better for it."—KW



19

We connect our students with their unique heritages.

Moniphal Bing, a senior English major in the Honors College, was born in the United States and raised in Lowell, but his parents fled Cambodia during the civil war along with his three older brothers. His sister was born in a Thai refugee camp. Bing was able to visit Cambodia last June for a study abroad program with Asian Studies Lecturer George Chigas, thanks to the university's partnership with the American University of Phnom Penh.

Chigas sacrificed his salary to lower the cost of the program from \$5,500 to \$3,000 for Bing and the four other students, Bing says, adding that he also got \$800 in scholarships from the College of Fine Arts, Humanities and Social Sciences and the English Department, which helped pay for airfare and incidentals.

The students studied the conditions of Cambodians aged 18 to 35, many of whom were born in the Thai refugee camps, like Bing's sister. They also blogged about their experiences, including a visit to Angkor Wat. "The first time I arrived at those ancient temples, I was completely immersed," Bing says. "I was completely quiet and in the moment, thinking this was my ancestors' blood that built these monuments. I was shocked how beautiful it is, how astonishing, and how it lives today."

Now Bing is inspired to learn all he can about Cambodian history and improve his Khmer speaking skills. He's interning at KhmerPost USA, a widely read Cambodian newspaper based in Lowell. And someday he hopes to return to Cambodia and open a library or school for children. —KW



42

We give back.

UMass Lowell students, faculty and staff provide more than 168,000 hours of community service every year.

We turn hardship into success.



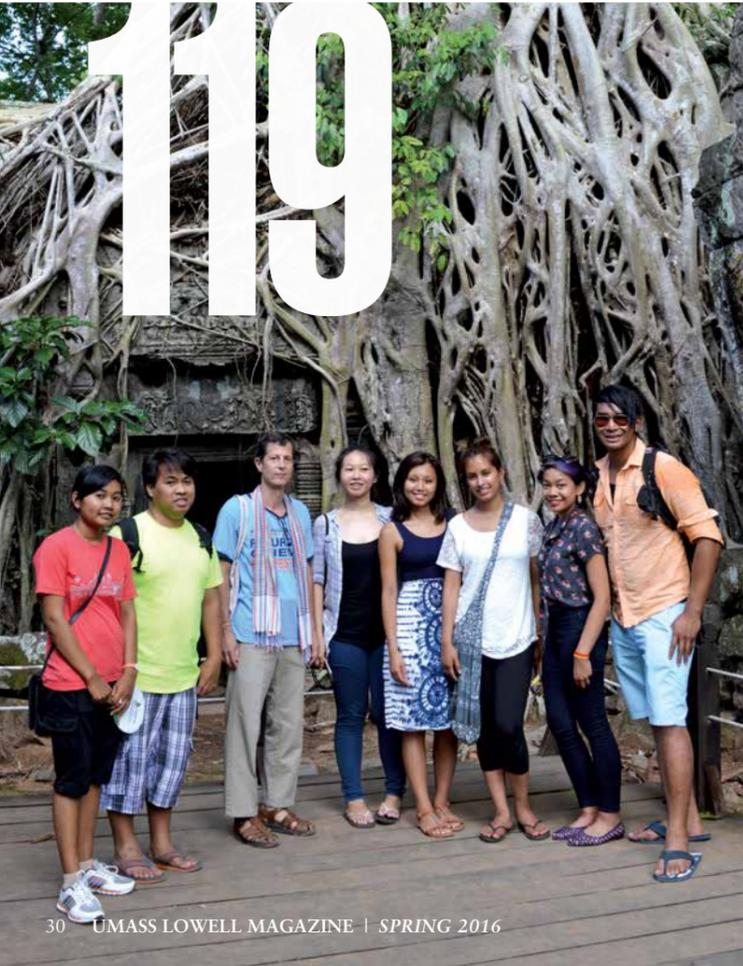
When Wendy Sanchez '11 came to the U.S. from the Dominican Republic when she was 5 years old, her mother worked multiple jobs at minimum wage to take care of her and four siblings. Living near downtown Lowell in a rundown apartment, Sanchez recalls having no electricity

29

and little food: "I remember lighting candles to get my homework done in high school. I would collect quarters and walk to Brother's Pizza to buy French fries and soda for dinner." The hardships she endured had an upside: they instilled in her a determination to never live the same way. With encouragement from her mother, she pursued a bachelor of science degree in nursing. She received support from the School of Nursing's Bring Diversity to Nursing program, which provides mentoring, stipends, reference materials and technology. The goal of the program is to help diverse nursing students graduate and work in the community to deliver culturally competent care. And that's exactly what Sanchez is doing: she now works as a registered nurse case manager for United HealthCare Group. "I will be forever grateful to the BDN program and everything that it did for me," she says. —KA

70 We believe in individualized attention.

Our student-faculty ratio (17:1) and class sizes (50 percent have fewer than 19 students) are intentionally small.



119



7

Our students are professionals—before they even graduate.

In the last academic year, more than 700 students engaged in some form of co-op activity and more than 270 were hired for professional co-ops with 241 employers—including Disney, Amazon, P&G, Fidelity Investments, Pfizer and General Electric. Engineering grad Kevin Newland '16 (above, left) accepted a full-time position at Tesla Motors when his co-op ended.



55

BY GEOFFREY DOUGLAS

The Sky's the Limit

The company we keep—like Skyworks Solutions—benefits everyone

The two men got talking one night two years ago in Boston while watching a River Hawks Hockey East playoff game:

“We were both at the concession counter, waiting for our beers, and we just got to talking,” says Bill Vaillancourt '83, '88, vice president and general manager of mobile connectivity at Skyworks Solutions in Andover, of running into UMass Lowell Director of Development Phil Cunningham.

“Phil was telling me about the university’s engineering summer camp. The more I heard, it just seemed like something Skyworks could get involved with.”

Last year, Vaillancourt became personally involved, when his teenage daughter, Traci, enrolled in UMass Lowell’s week-long summer camp, “Engineering for Sustainability,” open to female high school students with an interest in engineering. (During her week at the 2015 camp, Traci reported, she learned valuable lessons on “the impact an engineer can have on helping to improve our environment for future generations.” The experience, she says, has definitely “influenced my decision to focus my major in an engineering field of study.”)

Skyworks’ involvement will widen this summer, with the company signed on as a camp sponsor to help defray the \$1,200 tuition cost for campers with financial need.

Skyworks’ partnership with the university in its engineering summer-camp program is only the latest of many connections the two share. A \$15 billion market-cap, Woburn-based multinational wireless semiconductor business with 6,700 employees worldwide, Skyworks has also been extraordinarily generous with its resources, recently donating more than \$150,000 worth of equipment to the UMass Lowell radio frequency and microwave labs.

The company also hosts a steady stream of summer interns, and—for six years running, at a cost of roughly \$70,000 a year—sponsors postgraduate students, typically through the office of Electrical and Computer Engineering Prof. Kanti Prasad, to work part-time at Skyworks as part of their Ph.D. requirements. At least two students during this period completed their doctorates by working on pHEMT device model development in the Skyworks lab.

“Skyworks is a true corporate partner,” says Joe Hartman, dean of the Francis College of Engineering. “The resources they are providing help us enrich the educational experience for our students.”

There is also a lecture series with Skyworks employees, often UMass Lowell graduates themselves, hosting periodic talks at the College of Engineering on any number of topics. In late February of this year, two Skyworks engineers, Ray Lam and Tony Quaglietta '89, participated in a lecture sponsored by UMass Lowell Prof. Sam Mil'shtein, sharing with students a detailed overview on some of the technology they're using. The company meanwhile is working with Prof. Prasad to coordinate the details for an upcoming fall lecture.

Other connections are more personal. Vaillancourt, one of at least 26 UMass alumni now working at the company, is a key member of the Industrial Advisory Board of the College of Engineering. His eldest daughter, Allison, a 2014 UMass Lowell graduate with a B.S. in nursing, is currently pursuing her master's in the nurse practitioner program, while his middle daughter, Robyn, is a UMass Lowell junior majoring in public health and currently serving an internship on an opioid abuse task force.

As for his youngest, Traci, her summer camp experience last year, says her father, was a “major factor” in her applying recently for a summer internship.

“It was very impressive and intensive—a week of 14-hour days surrounded by other girls her own age, all with similar backgrounds in STEM,” he says. “It was very conducive to sharing, and extremely educational. When it began, I’m not sure she really understood what engineering was. By the time she had finished, though, she had a much better grounding in what it was about, and how it would influence her career choices.” ■



Skyworks is a lead sponsor of two of UMass Lowell’s engineering summer camps, including one targeted at female high school students with an interest in engineering, including those shown at left and above at a 2015 camp.

21



Our art students are driven.

When Bernie Ristuccia was in the midst of a renovation at his Drum Hill Ford dealership in Lowell, a large, antique Ford logo went missing, leaving a gaping space in his new showroom. He reached out to both a muralist and the university's Art Department for help.

"I gave them the same direction: I wanted a mural that shared some of Lowell's history and had a transportation theme," says Business Manager Bob Provencher. "When they presented their sketches, it was no contest"—the students' proposal was 100 times better, so they got the job."

Overseen by Assoc. Prof. Stephen Mishol, the university team—Courtney Lemay '13 and current students Carlos Pujols and Josh Rondeau—conducted research on Lowell and Ford's auto-making history.

The final mural, which is 8 feet tall and 32 feet wide, is presented in three sections, each one designed and overseen by one of the artists with ongoing collaboration on color, light and figures.

Ristuccia was so impressed by the students' dedication and skill—"Many nights I'd leave here after 6 p.m., and they'd still be up there, painting away"—that he decided to do more than sponsor a single mural. He offered to contribute \$3,000 annually to the UMass Lowell Award of Excellence in Painting. —SE

Our students make a difference all over the world.



68

It struck Rachel Paquette '14 with a vivid clarity.

A junior biology major, Paquette was sitting in Prof. Robert Giles' honors class, Science and Technology

in an Impoverished World. She listened as a series of speakers described the ways scientific applications and inventions could help those who needed help most. One of the speakers told of contaminated water. Disease, even death followed ingestion of unfiltered water in nations blighted by poverty. It was too common.

Paquette was inspired and decided to find a way to save lives—simply and inexpensively. Her invention, BioBubbler, is a filtration system that uses sand, layering and simple science to remove bacteria from a water supply.

Using cheap, readily available materials, and the help of Giles, chair of the Physics Department, she took BioBubbler to Haiti. She tested it and trained Haitian residents to use and maintain the system.

Several BioBubblers are now at work in the Haitian city of Les Cayes. Giles, who has worked to support this and other university-related projects in that country, has a team of Haitian research interns tracking its success.

Paquette, meanwhile, is now trying to make a difference closer to home. A research technician at the Center for Cancer Genome Discovery at Dana-Farber Cancer Institute in Boston, she'll begin medical school in August at the University of New England College of Osteopathic Medicine.—DP



88

We take this business seriously.

Construction is moving fast on the future home of the Manning School of Business—the \$45 million Pulichino Tong Business Center. Scheduled to open in fall 2017, the building will feature 54,000 square feet of world-class classrooms, offices and collaborative spaces, including a high-tech trading room.

"For me, the most important aspect of the new building isn't the brushed steel, soaring windows or state-of-the-art classrooms," says MSB Interim Dean Scott Latham. "For me, the most important aspect is that we are finally able to give our students the building they deserve. Our students are hard-working, respectful and all-around wonderful people, and they deserve a world-class business school."

The building will be named for John Pulichino '67, '14 (H) and his wife, Joy Tong '14 (H), successful entrepreneurs in the travel-goods industry who have donated \$4 million to student scholarships.

The Pulichino Tong Building will be at the heart of the North Campus Innovation District, which brings the university's engineering, science and business programs together for students, entrepreneurs and industry partners.

In 2011, the business school was named for another successful alumnus, Robert J. Manning '84, '11 (H), chairman and CEO of MFS Investment Management. Manning and his wife, Donna '85, '91, '11 (H), have made a multimillion-dollar commitment to the university, including an investment of more than \$5 million in the school of business. ■

We're HEROES.

A joint research and development initiative of UMass Lowell and the U.S. Army Natick Soldier Research Development and Engineering Center, Harnessing Emerging Research Opportunities to Empower Soldiers—or HEROES—improves survivability and protection of U.S. soldiers. Whether it's better helmets, flame- and heat-resistant uniforms, or portable, lightweight power sources that can be used in the field, the group's collaborative projects are keeping the country's soldiers alive. ■

34



We're creating solutions that matter.

82

UMass Lowell's sharply focused research and engagement centers span every academic department and function in a truly interdisciplinary environment.

Together, our researchers are:

- Searching for a habitable planet to become the next Earth.
- Protecting soldiers in battle, so they make it home.
- Detecting Alzheimer's disease earlier.
- Stopping cyber-thieves from stealing our identities.
- Engineering wind turbines that harvest more power.
- Decoding how terrorism works, so it can be disrupted.
- Discovering healthier alternatives to toxic chemicals.
- Studying Antarctica's ancient ice for clues to climate change today.
- Equipping robots to conduct search-and-rescue missions.
- Preventing bridge collapses with smart sensors.
- Diagnosing cancer at the cellular level.

And that's just for starters.

The Tsongas Industrial History Center.

103

A partnership between the university's Graduate School of Education and the Lowell National Historical Park, the Tsongas Industrial History Center offers grade-school students the opportunity for hands-on learning about the American Industrial Revolution through activities and tours where history—and science—happened. The Center is celebrating its 25th anniversary this year.



74

We all want to be like Charlie.

There are few UMass Lowell alumni from the past 50 years whose names are better known to more recent graduates than that of Charlie Hoff '66. And that's because many of them owe their graduations, at least in part, to him.

Hoff and his wife, Josephine, have helped close to 2,000 students afford college over the past 25 years, at all five UMass campuses. They are known as "Hoff Scholars"—which is about all they have in common, other than financial need and a desire for an education. Their ages have ranged from 19 to over 60, their majors from music to business. The aid they receive varies widely—from \$250 to more than \$2,000; their life stories are all over the map. Many of them have been selected personally, by Hoff himself, according to the simplest of standards, which he described for this magazine several years ago:

"They need to be the sort of people who'll make a difference in their communities ... the sort of people who, if I were still hiring, I'd want to hire myself."

In the spring of 2008, when Hoff, today an investor in small businesses throughout New England, was awarded the UMass President's Medal—the system's highest honor—several dozen of these young men and women wrote him to express their gratitude. One recalled having been a 40-year-old single father just out of a job, another the daughter of Laotian immigrants working parttime as a bank teller while trying to care for her parents. Still another, a paraplegic confined to a wheelchair, wrote to tell of how he had found the will to finish school and go on to a career as a software engineer, mostly due to "the self-confidence I gained because you, and others like you, had confidence in me." A new mother, Carol Francis '92, included with her letter a photo of her baby daughter: "Sophia has just celebrated her first birthday," she wrote, "and is by far my greatest accomplishment and joy. Your gift of an education has allowed me to become a woman I hope she will one day admire: educated, self-sufficient and happy. And for that you have my gratitude."

Hoff's gifts to these young men and women, and hundreds more like them, now total more than \$10 million: the largest privately financed scholarship program in the university's 120-year history. Add to these an additional \$1 million in scholarship funds, donated last fall to honor the inaugurations of new Chancellor Jacquie Moloney '75, '92 and former chancellor, and now UMass President, Marty Meehan '78.—GD



Our Division I athletes are also great humans.

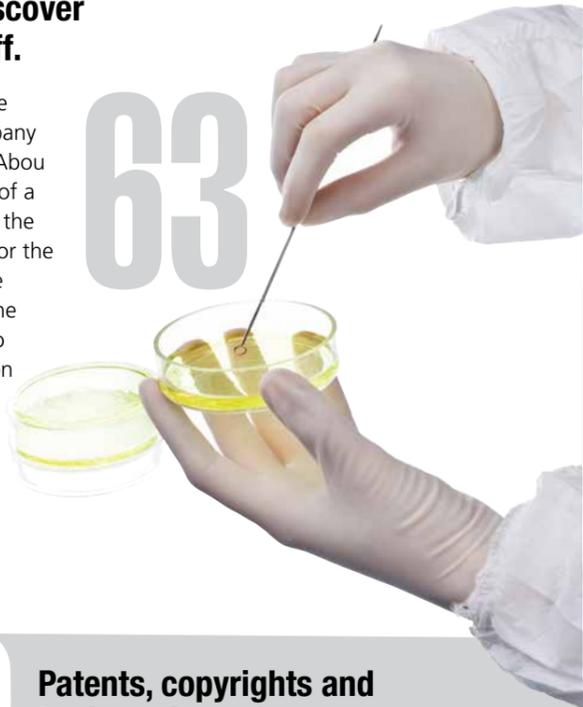
The physical skill of the players on the men's and women's lacrosse teams is easy to see. But they also have great heart. Recently, both teams—every player and every coach—joined a local Out of the Darkness Suicide Prevention Walk. Hoping to raise \$1,000, they blew their goal out of the water, earning more than \$5,000 to combat suicide and raise awareness of mental health issues.

57

Our alumni discover important stuff.

While working for the pharmaceutical company Sanofi Pasteur, Adel About Ali '08, '12 was part of a team that discovered the world's first vaccine for the prevention of dengue hemorrhagic fever. The vaccine is expected to help protect 2.5 billion people, 40 percent of the world's population at risk of the infection.

63



38

Patents, copyrights and trademarks—oh my.

The UMass system is 13th in the United States for intellectual property generated in the system.



117

Our students' dreams do come true.

Sean Jordan '14 entered the Doctor of Physical Therapy program with a dream of one day working in the field of professional sports. That day came quicker than expected when an internship with the New England Patriots turned into a full-time job offer after he graduated. He works full time as an assistant athletic trainer and physical therapist, keeping the 90-player roster healthy and ready for game day. ■

106 Our place is every place.

Our students come from everywhere and they go everywhere, changing the world in ways large, small and surprising. So do our faculty, our alumni and our partners.

Our students come from 49 states and more than 108 nations. Our alumni live all over the world. With 136 partnerships with universities in 45 countries across the globe, UMass Lowell has expanded its international reach. Relationships with institutions in Europe, Asia, Africa, the Middle East, North America, South America and Australia offer students international academic and research experiences, internships and other opportunities for hands-on learning.

Students and faculty are advancing scholarship, research, economic development far beyond campus boundaries. They're traveling to England to learn about Shakespeare, debating theories of the Battle of Marathon on the site of the clash in Greece and collaborating with engineering students in India to design smart phone apps.

Our international partnerships have opened the door for faculty to collaborate with researchers from around the world. They are pushing the boundaries of knowledge and making an impact on a global scale.

And with over 20 regional alumni chapters all over the world, alumni are able to connect with each other no matter where they live. ■

UMass Lowell takes you places.



[A] Led by honors seminar instructor **Julian Zabalbeascoa**, a group of Honors College students immersed themselves in Cuba's culture, politics and economy during a study-abroad trip to Havana in January.

[B] Seven nursing students in **Asst. Prof. Valerie King's** Global Health Experience course traveled to Chile to learn about the country's health care system, visiting hospitals and clinics and meeting with practitioners and patients.

[C] As a Fulbright Scholar, Graduate School of Education **Assoc. Prof. James Nehring** visited schools in Northern Ireland to study how educators navigate the competing demands of preparing students to pass standardized tests and teaching the skills needed in modern society.

[D] Opera singer **Pawel Izdebski '86**, of Germany, has sung on stages alongside such music superstars as Luciano Pavarotti and Placido Domingo. To give back to his alma mater, he came to campus to teach master classes and plans to welcome our students to study and perform in Germany this summer.

[E] **Prof. Martin Margala** of the Department of Electrical and Computer Engineering is in Prague until September, serving as the Fulbright-Czech Technical University Distinguished Chair in Electrical Engineering.

[F] **Lawrence Lin '90** of Taiwan came to Lowell for the plastics engineering and polymer science programs, and earned his M.S. and his Ph.D. Now runs his own multimillion-dollar injection molding company in Taiwan. "I owe this school a lot," he says.

[G] **Takayuki Takahashi** traveled nearly 7,000 miles from Tokyo to campus to receive his MBA at UMass Lowell, through a partnership between the university and Abitus, an executive education firm based in Tokyo.

[H] During her time as a Fulbright Scholar, political science **Prof. Ardeth Maung Thawngghmung** spent a year in Burma conducting research on how ordinary citizens there (who generally earn less than \$100 a month) use various strategies to survive.

[I] **Prof. Paula Rayman**, director of the Middle East Center for Peace, Development and Culture, spent part of her senior Fulbright sabbatical in Israel, working with women leaders on strategies for building peace and expanding women's access to education and rights.

[J] A team of students led by **Asst. Prof. Kate Swanger** of the Department of Environmental, Earth and Atmospheric Sciences spent two months in Antarctica studying ancient glaciers for clues to climate change today.



114

Unforgettable professors

Maybe for you it was Bernie Shapiro or Stu Mandell. Or perhaps it was Dean Bergeron, Steve Driscoll or Pat Krolak. No matter which professor sticks out your mind, chances are at least one does. Over and over we hear the same thing from our alumni: our faculty make deep and lasting impressions.

It can be easy sometimes to overlook this, especially lately, with all the dramatic strides the university has made. But longtime alumnus Leo Racicot '75 reminded us recently. The Lowell native—a poet, food writer and movie critic (among many other things)—sent a letter reminiscing about his favorite professors. We've shared an excerpt, at right.

The recent 40th anniversary reunion of our class took me back to my days as a student at what was then Lowell State Teachers College. And in reflecting on that time, and especially on the professors I had, I can honestly say I never knew a bad one in my four years at the school. Time and space prevent me from saluting them all, but I'd like here to remember a few. ...

I begin with **Dr. Robert (Bob) Stein**, a scholar of the works of James Joyce, whose fabled English classes met on the second floor of Dugan Hall. His clipped analyses of the literature he so loved, far beyond our reach without his guidance, taught us how to think, and how to feel—but also not to judge.

His colleague in the English Department, **Prof. Gardner Tillson**, was, as far as I know, one of the first openly gay professors on the New England college circuit. Brave and unashamed at a time when gayness was a secret to be guarded, his roosterly flamboyance was a model of the encouragement he so often dispensed: "just be yourself!" I still recall his collection of felt and feather-brimmed hats: you could spot that pheasant-feather plume from just about anywhere on campus.

Yet another member of the English Department, **Prof. Margaret Guindon**, then in her late 40s, opened our sensibilities to the poetry in the songs of Bob Dylan, Joni Mitchell and the Stones, at a time when the traditional focus still remained on Wordsworth and Coleridge. A modern woman embracing a changing time, she also bravely introduced into the curriculum the works of feminists Germaine Greer, Gloria Steinem and Betty Friedan—the first wave of Women's Lib—notwithstanding the sometimes-loud protestations of her superiors and fellow teachers.

Professor Christos Bentas, a surpassingly brilliant scholar of the Latin and Greek ancient masters, was the first to introduce a classics minor into the university's curriculum, and for many years was its only teacher. Operating out of an oblong box of an office in Coburn Hall that somehow still managed to convey a "just us" sort of coziness, Dr. Bentas took us on a journey across the centuries of Greek and Roman thought and civilization. ... He was great fun; he made learning a joy. And there was one other element in that strange little office: we felt protected there, nourished, even loved.

And perhaps most memorable of all: my teacher, mentor and friend, the dear **Dr. Robert Bousquet**. Fluent in French, Latin, Italian, Dutch, German, Creole and Middle Eastern languages—and a teacher of French (my major) at the university for 23 years, he also played the oboe, piano and French horn. From him I learned patience, faith, hope and—finally—courage. For when the ravages of the Parkinson's Disease that would destroy him captured his body and tried to capture his soul, his extraordinary ability to stand tall in the face of it, coupled with the sweetness of his inevitable surrender, made all of us who knew him so grateful that we did. He was the kindest soul I have ever known.

I offer these remembrances in hopes these men and women will not be forgotten. I think better, write more clearly, and possess a more positive outlook on life because of them and other teachers like them. When I'm being decent—and I hope I am, or trying to be, decent at least most of the time—my decency is a reflection of their own. ■

Photos, top: A. Bob Stein, B. Bob Bousquet, C. Gardner Tillson, D. Margaret Guindon, E. Christos Bentas

67

Our grads make good money.

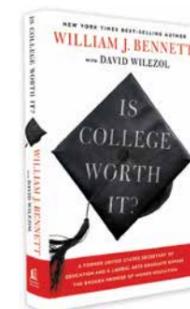
With an average mid-career salary of \$94,700 among graduates with bachelor's degrees, the university ranks No. 28 in the nation and No. 1 in New England among public research institutions, according to PayScale.com. The university also ranks among the top in the nation for starting salaries, with an average of \$51,600.



51

These guys.

Bless their hearts—and their feet—parading around in red high heels, in the name of raising awareness for prevention of sexual violence. Every year, hundreds of male students "Walk a Mile in Her Shoes" as part of the international initiative.



100

College is 'worth it' here.

Just ask former U.S. Secretary of Education William Bennett, who in his book "Is College Worth It?" ranks UMass Lowell among only 150 institutions in the nation with a return on investment that is "worth it."

44

We've got our very own Louis Pasteur.

Chemistry professor Rudy Faust—who revolutionized the design of stents used to aid heart patients—was recently inducted into what is known as the inventor's hall of fame. Faust, a pioneer in developing the chemical properties of plastics, was named a fellow of the National Academy of Inventors in recognition of his many inventions.

Faust is the developer of plastic used in coronary stents that help prevent the re-narrowing of arteries after surgery. The stent is considered one of the most successful medical devices in U.S. history. He also invented a patented plastic coating used for pacemakers and defibrillators. Beyond the medical field, Faust created an environmentally friendly and cost-effective means of manufacturing ingredients used in engine lubricants and fuel additives.

In total, Faust holds 32 U.S. patents on his inventions, 17 of which have been licensed to companies granting them permission to incorporate his discoveries into the manufacture, use or sale of products.—EA



93

Because ... hello, Dolly.

H. Eugenia "Dolly" Thomas '59 knows the joys of teaching. She also knows how tough the job can be. She learned a lot over more than three decades she taught second and third graders in Methuen.

Still, she wanted to give back, especially to future educators who come from modest means. Just as she did. It wasn't easy getting there.

When she was in her teens, her father died. He was a 49-year-old Portuguese millworker, and left her mother to support Dolly and her brother. Dolly worked her way through State Teachers College at Lowell, graduating in 1959.

So she recently established the H. Eugenia Santos Thomas Endowed Elementary Education Scholarship, scholarship for deserving students in the Graduate School of Education. The scholarship, available to those who hail from the Merrimack Valley, especially from single-parent homes, springs from Dolly's sense of obligation to those who follow in her footsteps.

"I feel an obligation to help young people of today, and particularly those going into teaching," says the vivacious Dolly, who enjoys an active retirement. "It's a profession where they can have such a huge impact on young lives."—DP



10

We're all about supporting startups.

The UMass Lowell Innovation Hub—or iHub—at 110 Canal St. connects the region's technology startups and entrepreneurs to campus resources that facilitate the development, manufacturing and commercialization of their innovations. Part of the building is used as an expansion of the university's Massachusetts Medical Device Development Center (thanks, in part, to a \$4 million grant from Mass Life Sciences Center) and the rest is an incubator for tech startups—with dedicated offices, co-working space, conference rooms, fabrication labs and support services.

115 We're all charged up.

The next time you're at University Crossing and your cell phone battery is running low, you can get a fast, free and secure one-hour boost at the new phone charging kiosk made by local startup company Velocity.

And if you're lucky, you might even run into two of Velocity's co-founders: UMass Lowell seniors Felipe Nascimento and Upkar Singh.

Nascimento, a business administration major in the Manning School of Business, and Singh, a mechanical engineering major in the Francis College of Engineering, launched Velocity in the summer of 2013 with a pair of high school friends from Chelmsford, brothers Krassi and Lucky Popov, both recent Bentley University grads.

What began in the Popov family garage, where the four young entrepreneurs produced a prototype for Foxwoods Casino in Connecticut, has quickly grown into a full-fledged business that's provided nearly 300 kiosks for customers around the world, from London to Australia, Vancouver to University Crossing.

"It's pretty cool to see it here on campus," Nascimento says while watching fellow students try out the newly installed kiosk, swiping their UCards to access one of its six lockers for a free charge from one of three different USB cables. "A lot of my friends have sent me Snapchats or Facebook photos saying, 'I can't believe you guys are here.' It's nice to see that people are using it."—EB



122

We knock it out of the park.

A partnership between the City of Lowell and the university, Edward A. LeLachur Park is home to both the River Hawks baseball team and the Lowell Spinners, a minor league affiliate of the Boston Red Sox. It's also just a short fly ball from the Campus Recreation Center and several residence halls.

125 We've got cred.

All of the university's academic programs for which accreditation exists have been accredited by the most prestigious organization in each field.

60 We embrace our passions.

Aaron Rosenberg is 51 and still playing with toys.

The adjunct music professor does it so well that he was recently invited to perform his "The Crail Family, 1910" composition at the International Toy Piano Festival in St. Petersburg, Fla.—a crossroads where serious composers write for and play a "toy."

Among the instrument's most recognizable devotees is Schroeder (from Peanuts) and among its most heralded, experimental guru John Cage. Between and beyond, B-52s, Radiohead, John Medeski, Tori Amos and Dresden Dolls have all used the toy piano to chime in to their catalogs.

"I got into it because in 2008, I was studying for my doctorate at the University of Oregon and I thought I would try to write a piece for the department, for my doctoral recital," Rosenberg says.—DP



A fine exhibit.

UMass Lowell is home to two art galleries that host a variety of exhibits throughout the year. University Gallery hosts four to six major exhibitions every year, displaying the work of both emerging artists and seasoned practitioners with global reputations (like illustrator Edward Gorey, whose work is shown here). Mahoney Gallery showcases current artwork by students within the B.F.A. program as well as selected alumni exhibitions.

73



104 Our student ambassadors.

If you want to know what's happening at the university, who better to ask than the students? Our students are our best ambassadors and that's why we established a formal Student Alumni Ambassador program to foster relationships between alumni and the entire university community.

BY GEOFFREY DOUGLAS

39

Our Faces of Philanthropy.

Todd Schermerhorn '82, right, stands next to his wife, Kate, on the slopes recently in Breckenridge, Colo. With them are Jim Miraldi '90 and his wife, Judy.



A semester's tuition at ULowell in the early '80s, as Todd Schermerhorn '82 recalls it, came to around \$300. When you added in books and fees, it totaled maybe double that. Not a lot of money, even then (or by comparison with anywhere else at the time)—but there were times, he says, when it still seemed out of reach.

He was the middle of five boys. They lived in Billerica, the five of them and their mother ("My father wasn't around," is all Todd will say on the subject). Money was tight; the country was in a recession. College must not have seemed the most natural option at the time.

But they found ways, all five of them—four of the five would go to ULowell—each paying his own way through his own means: "You did

are scattered across the country, two of them now also retired.

He does a lot of skiing these days, he says, and plays a fair amount of golf. He's also a board member of one large medical-device company (Spectranetics) and a former director of another (Thoratec Corp.) that was sold last year to St. Jude Medical for \$3.4 billion.

All fairly standard post-retirement data for a former large-company CFO. But there's more.

In 2004, a young man named Sean Reilly, the son of a colleague, was gravely injured during a study-abroad college semester in Europe. He lived for five years, minimally conscious, before dying, at 25, from complications of traumatic brain injury. His family meanwhile was doubly brutalized: by worry for their son on the one

state. The fund has raised more than \$1 million, in direct and in-kind aid, to ease the load on victims and families:

"We have two or three fundraisers a year, sometimes more than that. We've raised money for a specially-equipped van, custom-fitted beds—you wouldn't believe how expensive those are—wheelchairs, custom rooms, even music therapy, whatever isn't covered by existing resources. When you see what some of these families have to go through, it becomes truly rewarding work."

And there are the gifts to his alma mater: two endowment funds so far totaling more than \$100,000, in addition to his membership on the advisory board of the Manning School of Business, at whose Honor Society dinner he was the invited speaker recently.

'Not So Long Ago that Was Me': Looking Back on a 30-Year Journey

what you had to do," says Schermerhorn. "You kept your head down, you worked whatever jobs you could. You worked so you could have a car and go to school." When you didn't have a car, he says—and there were times he didn't—you stuck out your thumb on the side of the road and hoped you'd make it to class on time.

He earned his B.S. in accounting, and, two years later, an MBA from Babson. Along the way, working a summer job in Hampton Beach, he met a young woman named Kate, who was working there also—and also attended ULowell. They would marry not long after, and remain together today.

In 1985, he took a job as a cost analyst at C.R. Bard in New Jersey, a medical-devices company. Today the company has 14,000 employees in 20-odd countries and \$2.7 billion in yearly revenue. It was the only employer he would ever work for. Beginning as an analyst, he rose to vice president inside of 10 years, then to treasurer two years later. By the time he left, after 27 years with the firm, he was senior vice president and CFO.

He is retired today, still with a home in New Jersey, though also now in Georgia and Vermont. He and Kate have raised three sons, all now out of college and settled. His brothers

hand and, on the other, the financial hardships of caring for him—the result of serious shortfalls in TBI health-care funding. (According to the CDC, the annual incidence of TBI is higher than that of breast cancer, multiple sclerosis, spinal cord injury and HIV/AIDS combined—yet Medicare and Medicaid have continued to cut funding.)

"These are kids like I was, without access to a lot of resources, working like crazy to keep their heads above water... I have a lot of respect for that—because I know what it takes."

Schermerhorn explains the challenge simply. His colleague, he says, following the death of his son, "asked me to help him make something good from it." And so together, in the seven years since, they have.

The Sean Reilly TBI Fund, a tax-exempt charity, was organized to bring relief—largely by channeling funds to New Jersey's major head-injury rehab facility, the JFK Hartwyck Center, where Sean spent the final four years of his life—to patients and the families of those diagnosed as minimally conscious or in a persistent vegetative

"Todd's support for the Manning School, both through the generosity of his gifts and the expertise he lends in his advisory capacity, is a tribute to his success and to the success of his family," says Manning School interim dean Scott Latham. "His imprint is sure to be with us for many years to come."

The best thing about being invited to speak at that dinner, says Schermerhorn today, "was the chance it gave me to meet some of the kids. And you know what I noticed more than anything else, for all the [external] changes the university has gone through—that the kids who go there, they haven't changed, they really haven't changed in 30 years.

"These are kids like I was, without access to a lot of resources, working like crazy to keep their heads above water. A lot of them are working a couple of jobs, many of them first-generation college—just trying to make the most of their chance.

"I have a lot of respect for that—because I know what it takes. Not so long ago that was me." ■

We're difference makers.

Before they even take their first class, our students are initiated into our culture of entrepreneurship through an intensive DifferenceMaker orientation. Woven into the fabric of coursework in each of UMass Lowell's colleges and schools, the program challenges students from all academic areas to create solutions to real-world problems, then lets them test their ideas through competitions such as the annual \$35,000 DifferenceMaker Idea Challenge.

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83

Our iconic buildings.

The fancy new ones are nice and all, but there's nothing like Coburn, Southwick, Falmouth, Kitson, Cumnock and Alumni Hall.

3 We walk the talk when it comes to diversity.

UMass Lowell was one of only 92 institutions in the nation to receive Insight Into Diversity's 2015 HEED Excellence in Diversity Award.

Our teams make an impact.

The newest member of the UMass Lowell River Hawks hockey team, brought on board officially on Draft Day last October, wears thick black glasses, stands 3 feet, 1 inch tall and loves to give high-fives. His name is Lucas St. Onge. He is a Lowell native, and he is 4 years old.

"We're really excited that Lucas has chosen UMass Lowell and is now officially part of our team," said River Hawks Coach Norm Bazin at the Tsongas Center press conference that followed Lucas's signing. "He will bring a lot of inspiration to our team. His presence at practices and games will be great for our team chemistry."

Lucas, who was diagnosed at 2 months old with an immune disorder that has left him with only 18 percent of his intestines and a non-functioning stomach and pancreas, is dependent on feeding tubes and daily treatments to stay alive—none of which stopped him from trading high-fives and playing foosball with team members and mascot Rowdy throughout much of the Draft Day festivities.

If all goes as planned, Lucas will travel with the team, as much a part as any player, at least through this season and next. His arrangement is an outgrowth of the work of Team IMPACT, a Boston-based nonprofit designed to enhance the lives of children facing chronic or life-threatening diseases.

Lucas is not the first IMPACT child to be matched with the hockey team—two others have preceded him. And Bazin's River Hawks aren't the only team participating: as of early this year, at least 11 children, ages 4 through 16, had been drafted by various teams, from softball and volleyball to baseball and lacrosse, in both men's and woman's sports.

Sicilia Campbell was the first. She was 5 years old at the time, in the fall of 2011, already three years into her fight with acute lymphoblastic leukemia, when Sean Cotter, in his second year as UMass Lowell softball coach, signed her to the team. It was a Saturday. There were balloons, an appearance by Rowdy. Paul Simon's "Cecilia" blared from the speakers.

Sicilia is 10 today, and cancer-free—and still serves as "bat girl" at home games.

It doesn't always end so happily, of course. Nick DeFelice, drafted by the men's hockey team at 8 years old, in late 2011, died a year later, at home in Dracut, of the cancer he had battled since he was 2. All 27 members of the team grew mustaches in his honor, ending a \$7,500 donation drive with a benefit at Moe's Grill in Chelmsford.

"Nick became like a little brother to our team, and pushed all of us to be great people," former captain Riley Wetmore said of the young IMPACT draftee. "He always had a smile. He'll always be a River Hawk."—GD



14



118

There are strings attached here.

Tears of pride welled up in the eyes of sophomore music education major Joshua Santana. As his young violin students shifted nervously in their chairs before their debut ensemble performance, he could hear them quietly singing to themselves:

"The fox walks on the wooden dock and dips his feet right in. He casts a hook ahead of him and listens to it sink, sink, sink."

It's a silly little ditty that Santana taught the kids to "register kinesthetically where to put their fingers on their bow." But hearing them put it to use, well, "It blew me away," Santana says.

Once a week, Santana teaches violin to 35 local grade-school students through the UMass Lowell String Project, a leading music education and community engagement initiative. Santana knows firsthand what kind of impact the String Project can have: He's an alumnus who joined in the third grade.

"I definitely see myself in some of these kids," he says. "Hopefully I give them someone to look up to."—EB



20

We know how to combine service and learning.

It's expensive to eat healthy. It's especially expensive to eat healthy in urban areas. Lydia Sisson '12 is changing that.

While studying the economic and social development of regions at UMass Lowell, Sisson launched Mill City Grows, a nonprofit dedicated to the idea that everyone deserves fresh food. Today, she oversees a 3.5-acre farm, four community gardens and eight mobile markets—all within the city of Lowell.

Sisson entered UMass Lowell after successfully running her own farm, because, she says, "I felt detached from social justice issues. UMass Lowell gave me the professional transition, the time to create a project around food justice and the community connections to make it happen."

Today, Mill City Grows helps bring nearly 30,000 pounds of fresh, local produce to the community every season. And, thanks to partnerships with federal assistance programs, it makes it affordable for residents to buy it.

In a city of 110,000—where 75 percent of public schoolchildren qualify for free or reduced-price lunch—that's some real impact. ■

35

UNIVERSITY OF MASSACHUSETTS LOWELL

We can make concrete float.

For more than 30 years, our students have kicked butt at the annual American Society of Civil Engineers' regional concrete canoe competition. UMass Lowell regularly bests dozens of universities from around North America in the quest to design, build and race concrete canoes weighing over 100 pounds.



121 **Our work ethic.**

"In an ideal world," says UMass Lowell sophomore Victoria Manning, "I'd probably be in the FBI." Meanwhile, though, she's busy hedging her bets.



She turned 18 in June two years ago—the same day she filled out the firefighter's application at her local West Newbury department. By then, she'd already completed classes in much of what she'd need: fire rescue, water rescue, hazmat training, Heimlich and CPR, among other life-saving disciplines—all as part of her high school's public-safety class. Even before the training was over, she'd come to the rescue of a school nurse who'd been choking on a muffin: "One thrust," she says, "and out it popped."

She's 20 today, and a full-fledged member of the town's fire department, or what's known in the business as a "call volunteer"—which means, she says, that "I get paid by the hour when I'm called." By the first few months of this year, she'd been called to three house fires and too many medical emergencies (often the result, she says, of falls by elderly townspeople) to put a number on.

"I absolutely love it," she says. "The adrenaline is part of it, of course. But I also just love the chance you get to help people. And I have a whole new family of friends."

But that's not her only job. Manning is also a full-time nanny on weekends, and a part-time medical biller and home-care worker for kids with disabilities. And oh, yes—she's on the Dean's List, with a double major in psychology and criminal justice. She lives on campus in University Suites, though between nannying and fighting fires, she's home as often as she's not.

She plans to graduate in two years, and to have her master's in psychology a year after that. At this point, she says, she's torn between careers—some days she thinks firefighter, other days cop—and she may just apply for both and see where she lands.—GD

We're blue—but green.

Solar panels, living roofs, composting, bike sharing, recycling and efficiency upgrades are cutting our carbon footprint by the ton. We will be carbon-neutral by 2050—and the outside world is noticing. In 2015 alone, the university earned more than a dozen recognitions and awards, including a MassRecycle Recycling Award, a White House Champions of Change award for climate education, a Pinnacle Award for excellence in commuter options and a Greenovate Boston Award. The League of American Bicyclists named us a "Bicycle Friendly University," one of only three schools in the state to earn the distinction.



108 **THEY LIKE US, THEY REALLY LIKE US.**

Since 2010, UMass Lowell has climbed 27 spots in U.S. News & World Report's ranking of top-tier national universities, from No. 183 to No. 156, the third-fastest rise in the nation for that timeframe.



8



We believe in speaking up to create a better world.

When Daniel Uk '16 arrived at UMass Lowell in 2012, he wasn't quite sure what he wanted to major in, but he knew exactly what he wanted to do: "Get involved and make a difference."

The Lowell native, now 21, was born a few decades too late for the 1960s, but he's completely in synch with that era's activist spirit and commitment to social justice. "It's probably my favorite period in American history," he says, "because people my age advocated for change, on college campuses and throughout the country."

Uk has spent much of his college career doing just that. At the end of his freshman year, he was elected president of the Cambodian American Student Association, and his work to develop more inclusive programming and broaden membership helped earn the club two Student Leadership Awards.

In 2013, when the UMass Board of Trustees tightened its policy regarding outstanding balances—a change that Uk felt disproportionately impacted working-class students—he organized a petition and brought it to the attention of then-Chancellor Marty Meehan at a public forum. Meehan told the crowd he shared Uk's reservations, and applauded him for raising awareness around the issue.

"That was a really good day," Uk says now, "because it showed me that when we speak up, we can be heard."

It didn't take Uk long to decide he wanted to major in political science, where he has focused on constitutional law. His political engagement continues outside the classroom. In addition to volunteering as a diversity peer educator and student alumni ambassador (and holding a part-time job), he has worked as an intern for Rep. Niki Tsongas in her Lowell District Office, and he spent the fall term of his senior year interning with the Democratic National Committee in Washington, D.C.

In the midst of the most contentious presidential campaign in modern history, Uk's assignment was to fact-check speeches by Donald Trump, Carly Fiorina and Senators Ted Cruz and Marco Rubio. "There were," he says with a laugh, "some late nights during the presidential debates."

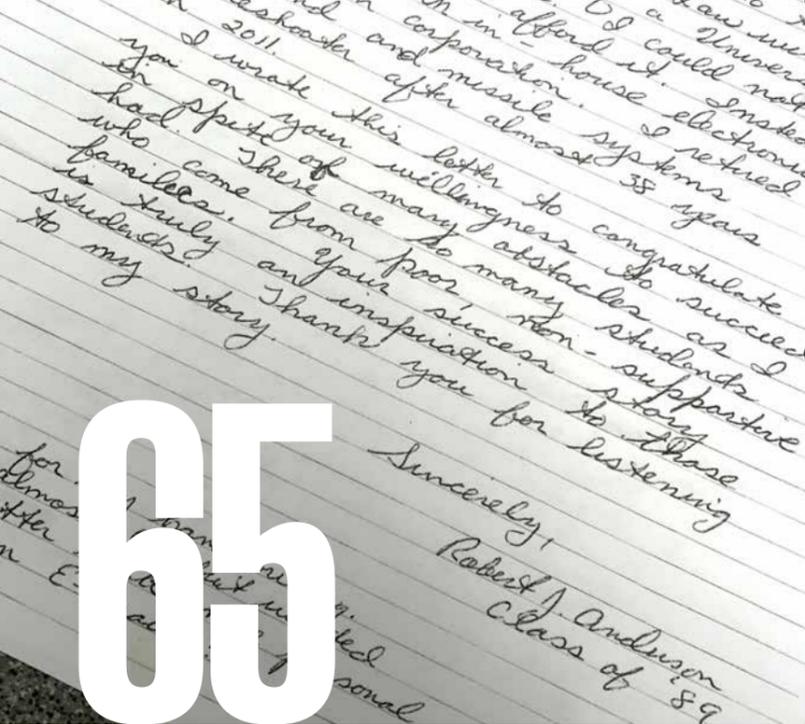
After graduation, Uk plans to focus on advocacy work, ideally with organizations focused on Asian American civil rights and public policy. His goal remains the same: Get involved and make a difference. "This is the beauty of the American political system," he says. "It provides us with the inalienable rights we can use to create a better world."—BB

The best organizations in the world want our students.

In the summer of her senior year as a nursing student, Shelby Creamer '15 landed a coveted 10-week paid "externship" with Mayo Clinic in Rochester, Minn. She gained valuable real-world experience that led to a full-time nursing position in the cardiovascular surgery progressive care unit at Mayo Clinic when she graduated. "The School of Nursing professors instilled in me critical thinking skills that are vital to the job that I do every day," she says. "They challenged me to see the mental, spiritual and physical parts of my patients which makes me a better advocate and caregiver." ■



90



65

Over and over we hear the same thing about our students—the ones from today and the ones from decades ago: they persevere.

After reading this magazine's winter 2016 cover story about Jacquie Moloney, Robert Anderson '89 wrote a letter to the chancellor, sharing his own story. Here's an excerpt:

"In January of 1966, I took the SAT at Newburyport High School. ... My father was self-employed. I had to hitchhike from Salisbury Beach as he had to finish a job. I was sick with the flu. When I was taking the test, I was coughing very loudly. A proctor told me to sit in a far corner. I did not do well on the test. I could not retake the test.

"When my guidance counselor brought me into his office, he told me that I was not college material and said I should think about taking up a trade! ... I was very upset. I was very good student and had been on the honor roll. He said it did not matter.

"Well, a year and a half later I walked into his office on alumni day and basically threw down my letter of invitation to join an honor society for making the dean's list at Pierce College in Woodland Hills, Calif.! I said, 'Remember me?' ... I will never forget the look on his face! I told him he should think about quitting and taking up a trade."

After eventually graduating from Lowell with a degree in sociology, Anderson was accepted at the Massachusetts School of Law but couldn't afford to attend. Instead, he enrolled in an in-house electronics school at Raytheon. In 2011, he retired after 38 years as a ground and missile systems troubleshooter at the company. ■

116 As our ranking rises, so does yours.

The better-positioned UMass Lowell is in the marketplace, the more valuable your degree is—no matter when you graduated.

Our hockey players lace 'em up in the NHL

The UMass Lowell hockey program has produced a long line of NHL players through the years, including current pros Scott Wilson (Pittsburgh), Christian Folin (Minnesota), Carter Hutton (Nashville) and Ron Hainsey (Carolina). The latest to join that list is this season's goalie, Kevin Boyle, who was drafted by the Anaheim Ducks in March.

30

Another former River Hawk to recently join the pros is goalie Connor Hellebuyck, who made his NHL debut this season for the Winnipeg Jets.

River Hawk fans will never forget Hellebuyck's two record-setting seasons in blue, when the All-American led the team to back-to-back Hockey East crowns and a trip to the Frozen Four as a freshman in 2013. Before jumping to the pros following his sophomore season, he won the inaugural Mike Richter Award, given to the most outstanding goaltender in Division I men's hockey.

After spending the 2014-15 season in the American Hockey League, Hellebuyck was called up by the Jets on Nov. 27, 2015, and made 14 saves in a 3-1 win over the Minnesota Wild.

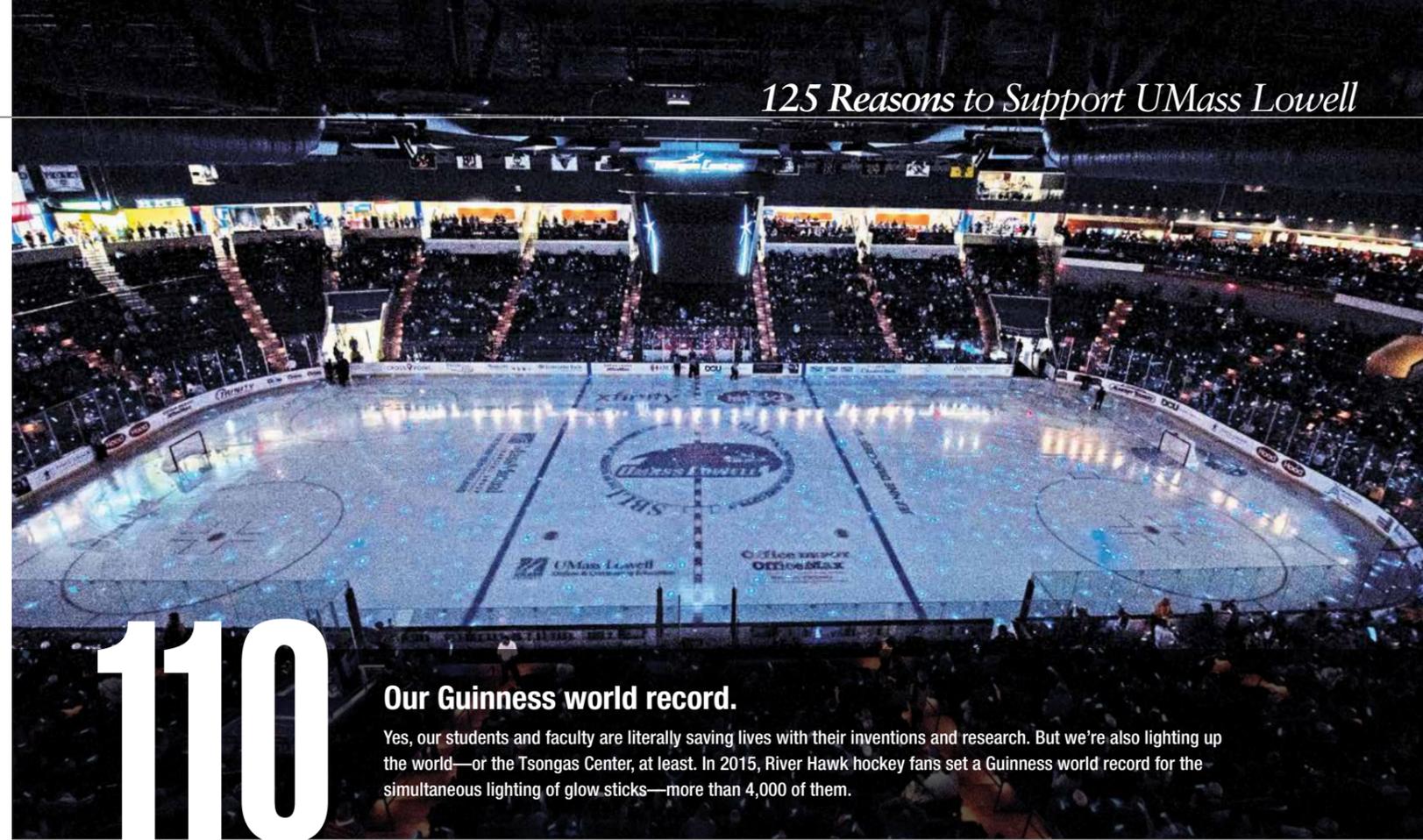
"I think anyone playing their first game is hyped up on adrenaline, so I was focused," Hellebuyck said after his first NHL game. "The team was playing really good in front of me and that's all you can ask for."

The 6-foot-4, 203-pound Hellebuyck may be the goalie of the future for Winnipeg, but he's already made an impact in the present. He posted a 13-11-0 record with a 2.34 goals against average, a .918 save percentage and a pair of shutouts this season before being sent back down to the Manitoba Moose of the AHL when starter Ondrej Pavelec returned from injury.

Hellebuyck will no doubt be back in the NHL soon. In the meantime, you can look for him in net for Team North America this fall in the 2016 World Cup of Hockey in Toronto.—EB



Connor Hellebuyck



110

Our Guinness world record.

Yes, our students and faculty are literally saving lives with their inventions and research. But we're also lighting up the world—or the Tsongas Center, at least. In 2015, River Hawk hockey fans set a Guinness world record for the simultaneous lighting of glow sticks—more than 4,000 of them.

We have an affinity for alumni.



Sigma Phi Omicron, he shares that affinity, especially as race director of the annual Chris Sullivan Memorial 5K, which in its fifth year, has raised nearly \$10,000 to help student veterans. (The race is named for Sigma Phi brother and ROTC member Sullivan, killed in Iraq by an IED.)

"Because we'd stayed in touch, some fraternity brothers and I decided, hey, let's try to make something good out of this," he says.—DP

Adam Hogue '03 believes in giving back. As a soldier, he served his country. As a runner, he serves his late friend. As a businessman, he serves his clients.

Hogue '03 is active in a couple of the nearly two dozen groups in the university's Alumni Affinity Network, which connect graduates who share a common interest or mission. The groups allow alumni to network, advise current or prospective students, reconnect with faculty and staff, and attend personal and professional development workshops.

"It's in the spirit of alumni helping out and reaching out to other alumni to engage in the university," says Hogue. "A lot of people don't realize how much you can do to give back."

Founder and CEO of Constant Advisor, a budding financial technology company based in Lowell, Hogue is involved in a young professionals group. As a member of the fraternity,



120

15

Our long tradition of athletic excellence:

- 7 NCAA national championships
- 9 individual NCAA national champions
- 9 NCAA national Coaches of the Year
- 247 All-Americans
- 34 Academic All-Americans
- 7 Olympians

101 Our alumni pay it forward.

John Cadigan '87 is at his best when busy. He spent eight years working toward his computer science degree from the University of Lowell—only because he was so busy working simultaneously as a software engineer at Data General and SofTech.



"I learned so much working in industry and combining that with the foundational education I was getting. It was exciting to do both. I loved it," the Everett native says.

Cadigan is busier than ever today: CEO of engineering firm Andrews-Cooper; angel investor with Launchpad Venture Group; adviser to Windgap Medical, Inc.; co-owner of Barrett and Company Real Estate; oh, and Flotilla Staff Officer for the U.S. Coast Guard Auxiliary in Woods Hole.

And still he finds time to volunteer as judge and mentor for the DifferenceMaker program.

"I think dreaming and thinking outside the box is just so critically important for students and for our country," Cadigan says. "It's inspiring to see talented young students with such ambitious goals and ideas. I feel energized and inspired every time I set foot on the campus." ■

We're well-endowed. (Or at least better endowed than we were.)

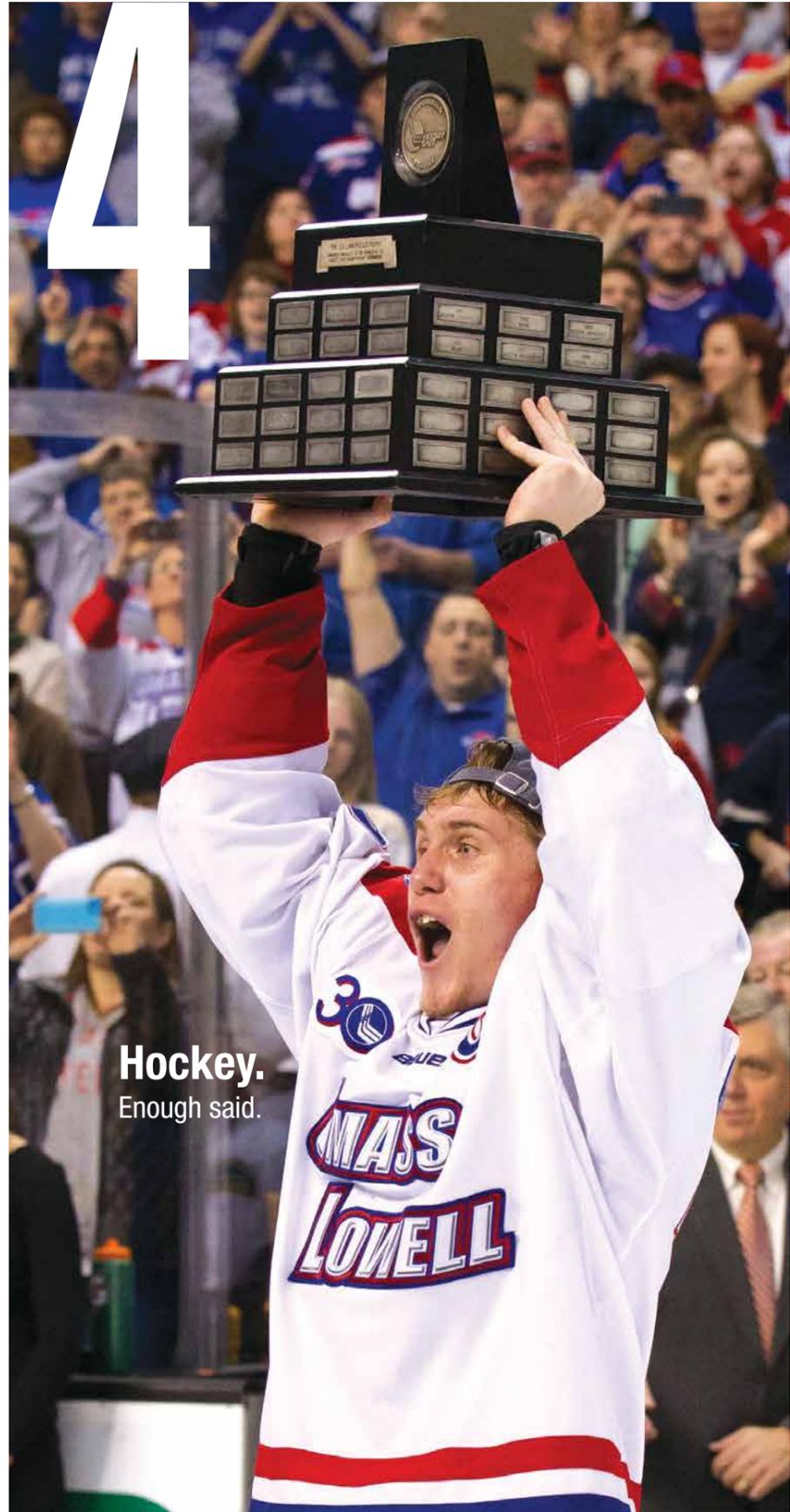
89 Since 2007, UMass Lowell has more than doubled its endowment, growing it from \$37 million to \$82.4 million.



We're vital to the region's economy.

UMass Lowell has a positive economic impact of \$854 million a year, according to the UMass Donahue Institute.

50



Hockey. Enough said.



87 Students have an awesome time here. Hard not to—with more than 250 clubs and organizations to choose from.

48 We're good in emergencies.

In the aftermath of Hurricane Sandy in 2012, researchers at The New England Consortium—which is led by UMass Lowell—found that workers who were charged with the cleanup of materials and property were exposed to mold and other biological and chemical hazards.

With a five-year \$7.6 million grant from the National Institute for Environmental Health Sciences, the consortium will expand its traditional hazardous materials training program to include workers who respond to natural disasters caused by climate change.

"Providing such services is necessary for protecting the health and safety of workers and the public as we adapt to the changing climate," says Craig Slatin, a professor in the UMass Lowell's Division of Public Health who heads TNEC. —KA



36 We meet more than 90 percent of student need (but our goal is 100).

In 2015, UMass Lowell awarded more than \$160 million in financial aid, with an average of more than \$15,000 per award.

22 Our students attend the State of the Union.

Looking down from the House Chamber gallery at the sea of politicians and Supreme Court justices, senior math major Alexis Ploss let the moment sink in as she watched President Obama deliver his final State of the Union address.

"The mood in the room was unlike anything I've experienced before. It was electrifying," says Ploss, who was invited to Washington, D.C., by U.S. Sen. Elizabeth Warren thanks to their shared concern for the country's student debt crisis.



Ploss, a Manchester, N.H., native who plans to teach high school math after grad school, had twice testified about the issue in front of Warren—first in 2014 in Washington and again in 2015 during a forum at UMass Boston.—EB



The Bellegarde Boathouse.

After more than \$1 million in renovations, the UMass Lowell Bellegarde Boathouse became the home of university and community boating programs. Situated on the north bank of the Merrimack River, the boathouse provides one of the region's most spectacular views of the waterfront and sunsets.

124

The President of the United States thinks we're good people.

The university is on the President's Higher Education Community Service Honor Roll for community and campus engagement for the fifth consecutive time.

53



Join an Alumni Affinity Program Today!

Affinity programs allow you to connect with fellow alumni at UMass Lowell based on the interests that meant the most to you as a student—and still mean so much to you today.

- Network with alumni who share the same affinity
- Learn about the current student experience
- Share your insight to help future alumni
- Connect with current and former faculty and staff members
- Gain access to personal and professional development workshops

Student Life

- Athlete Alumni
- Leadership Alumni
- Greek Life Alumni

Community-Based

- Community Service Alumni
- Veterans Alumni
- Young Alumni

Department-Based

- Chemical Engineering Alumni
- Criminal Justice Alumni
- Electrical And Computer Engineering Alumni
- Plastics Engineering Alumni
- Sciences And Engineering Alumnae

Culturally-Based

- Multicultural Alumni



To learn more, contact the Office of Alumni Relations at Alumni_Office@uml.edu or 978-934-3140.

www.uml.edu/alumni

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Network, boost your career and bring balance to your life.

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Alumni Life

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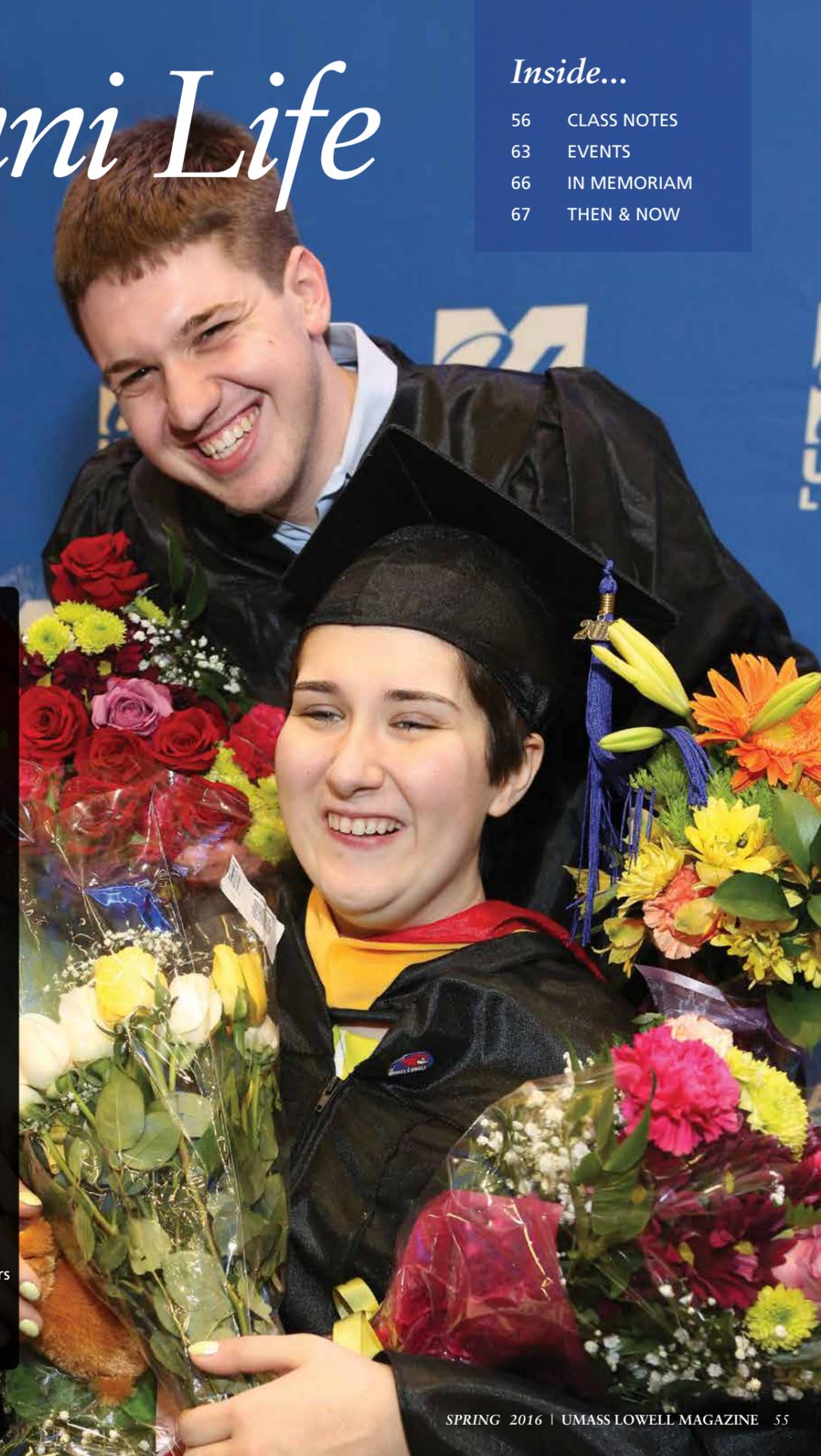
OUR ALUMNI ROCK!

1 The first member of the Class of 2016 to graduate, Brianna Gainley participated in a special Commencement ceremony held for her and about 100 family and friends on March 18. The computer science major—shown here with classmate and new husband, Ryan Hart, whom she married the day before—has a rare form of bone cancer called osteosarcoma.

Gainley lost her right leg and a lung during her five-year battle—but never her determination—and she was on track to receive her diploma this May. But on Monday, March 14, her doctors delivered devastating news: The cancer was terminal and she only had a short time to live.

Four days later Gainley became the first alumna of UMass Lowell's Class of 2016, receiving the honor in a pomp-and-circumstance-filled ceremony in University Crossing that included Chancellor Jacquie Moloney and the entire executive cabinet all in full regalia.

"I wasn't expecting this celebration. This has just been fantastic," said Gainley, beaming proudly in her confetti-sprinkled cap and gown as she spent nearly two hours hugging guests from her wheelchair and smiling for photos. "I don't think I've ever taken so many pictures in my life." —EB



Arriving at Lowell State in 1974, Gordon Stevenson '78 commuted up Route 3 from Woburn. Mary Grondine '78, '88, meanwhile, drove in from Dracut. Although they were both history and secondary education majors, and hung out with the same crowd at Coburn Hall between classes, it wasn't until Irish Night in March of their senior year that Gordon noticed Mary. They shared their first kiss at The Rathskeller on North Campus and spent Senior Week together. They've been married for more than 33 years and have three children. "UMass Lowell will always be more than just where we got a great education," says Gordon. "It's where we fell in love!"

1963



Edward Kaplan works for The Buckingham Group in Tulsa, Okla., and was named Remodeler of the Month by the National Association of Home Builders for November 2015. An author and authority on design/build remodeling, Edward is the recipient of a Kohler National Design Competition award and a National Ornamental and Miscellaneous Metals award for his design/construction expertise. Edward was recently certified as an aging-in-place specialist, helping older homeowners stay in their homes safely, independently and comfortably.

1964

James A. Karalun has been retired for 13 years and continues to travel as much as possible, especially on cruise ships. He recently attended the naming ceremony of Royal Caribbean's new ship, Quantum of the Seas.

1966

Dennis Serpone earned an MBA from Suffolk University in 1968 after graduating from Lowell Technological Institute. He is now semi-retired and is the president of New England Restaurant Brokers and the National

Restaurant Exchange. He is also a nationally recognized author and radio personality. A longtime resident of Winchester, Dennis has two sons. Justin, 37, is head soccer coach at Amherst College and was recently named NSCAA College Soccer Coach of the Year. Jordan, 32, is regional marketing director for J. Crew.

1970



Frank B. Crawford and Dorothy M. Van Hook wed on June 13, 2015, at Calvary Baptist Church in Kingman, Ariz.

1978

Sharon (Healy) Yang recently had her first novel published by Touchpoint Press. "Bait and Switch" blends humor and suspense against the backdrop of a World War II New York City rife with Nazi Fifth Columnists. A collection of essays she edited, "The X-Files and Literature" (Cambridge Scholars Press, 2007), has elicited her commentary on the return of the X-Files television program in an interview published in *The New Statesman*, with more interviews in the offing.

Phil Hemenway recently retired from 3M Company after five years of employment as an application engineer.

SWINGING THE BAT

During his years as a student at UMass Lowell, Peter McConney coached the Cardinals Little League Team in his hometown of Shirley. After he earned a bachelor's degree 1979, he embarked on a 28-year career as a U.S. Treasury Agent and now owns a direct mail and fulfillment company based in Cincinnati. He recently reconnected with one of the Little League players through social media. Brian DeLaite not only remembered Peter but said his insistence not to be afraid to "swing the bat," encouraged him to not be afraid to step out and try new things or take risks. DeLaite, now executive vice president of a marketing services company in New York City, reached out to his former coach and the pair are now working together on a business project.



1983



John W. Traphagan is an anthropologist and professor and associate chair in the Department of Religious Studies at the University of Texas at Austin. John blogs for the Huffington Post, where he writes on topics related to society, culture and religion. His research focuses on the intersection of culture and science, and he has spent several years in Japan conducting ethnographic fieldwork. He is the author of over 40 scientific papers in scholarly journals and several books, including his most recent, "Extraterrestrial Intelligence and Human Imagination: SETI and the Intersection of Science, Religion, and Culture" (Springer 2015). John's father, Willis Traphagan, was a professor of music for over 30 years at UMass Lowell.

1985

William Yelle was recently appointed executive chairman of Envisia Therapeutics, a biotechnology company. William has over 25 years of experience in the life sciences industry, including positions in executive management, corporate and business development, strategic planning, portfolio management, commercial operations and R&D. Most recently, he served as chief executive officer of Aldea Pharmaceuticals. In addition to earning a bachelor's degree, cum laude, from UMass Lowell, William received an MBA from Columbia University and a master's degree in organic chemistry from the University of California at Berkeley.

Edward J. Zaniewski is celebrating 30 years of marriage to Ellen (Buteau) Zaniewski whom he met at UMass Lowell (then the University of Lowell) in 1981. Their daughter Heather works for the McGovern Institute for Brain Research at MIT and their son



Jared is a sophomore at UMass Lowell and a member of the men's lacrosse team.

1988



Jack K. Maserejian was recently promoted to senior vice president and chief client officer at Envirocon, an environmental remediation and demolition firm. He is responsible for the development and execution of North American sales, business development, marketing and proposal development strategies. He also serves as a corporate client advocate and is experienced in creating, communicating, executing and sustaining strategic initiatives to acquire and maintain key clients.

CLOSE-UP CLASS OF 1968



From left, Kathleen Allen '77, Linda FitzPatrick '68 and Chancellor Jacquie Moloney '75, '92

Giving the Gift of Opportunity

Linda FitzPatrick '68 is one of those people you hear about whose life stories seem to carve out perfect circles.

The eldest of eight children in a mid-1960s working-class family, financial assistance made it easier for her to pursue her studies. "The [financial aid] I received opened up opportunities for me," she says, "that changed my life." Although perhaps not in the direction she would have foreseen.

Her undergraduate degree from Lowell State was in English and education—and her first job followed from that: as a fourth- and fifth-grade teacher in Wakefield. But that was where the straight line began its curve.

She became a mom and left the classroom to take time raising her kids—which led, over time, to a part-time, at-home decorating business. Which, in turn, she says, opened up a side of her she may not have known she had: "I found I really enjoyed the business end of things. I got kind of passionate about it."

She went back to school, got bith undergraduate and graduate degrees in accounting. That led to a job in public accounting with Coopers and Lybrand, followed by stints at Fleet Bank and Fidelity and, finally, BNY Mellon, which she joined in 1998 as national business manager of the Charitable Gifts Office in Mellon's Private Wealth Management group.

"From pretty early on, I was involved with wealthy clients, and with the tax side of nonprofits—in other words, with both institu-

tions and the people behind them. It was a field I really responded to, the world of non-profits. Because mostly, they're organizations with a mission: to make things better, to benefit people in some way."

Soon enough, her professional interest took on a personal side: in 2005, she established the FitzPatrick Family Endowed Scholarship fund to benefit students in the UMass Lowell Graduate School of Education, a bequest that will ensure perpetual, ongoing funding of the scholarship. Part of her thinking in doing so, she says, has grown out of the relationships she's formed:

"When you have people like Marty, and Jacquie, and [Director of Development and Planned Giving] Deme Gys, who I've grown quite close to over the 10 years we've known each other—people with their level of passion and vision—well, it's just very easy to fall in behind that kind of leadership."

But the even bigger reason, it seems, has to do with closing that circle:

"The scholarship help I received opened up opportunities for me, as a student from a working-class family. It literally changed my life. That's just as important today — to provide an education to those who don't have the resources.

"And that's the mission of this university, the mission I want to be part of: to provide the best possible resources for our youth, the tools they need to move forward through life."—GD

1992

Peter McCarron has been named senior vice president, commercial claims, at CNA, the country's eighth largest commercial insurance writer. Peter joins CNA from Zurich North America, where he most recently served as senior vice president, Global Workers' Compensation and Accident & Health. Prior to that role, he served for 14 years in several leadership positions at OneBeacon Insurance Group. He holds a bachelor's degree in business management from UMass Lowell and a master's of public administration from Suffolk University.



are both active in football, basketball and lacrosse.



Kerry A. Murphy is studying for a doctorate in education at Northeastern University, where she

earned a master's degree in organizational leadership in 2014.

1993

Scott Henrickson recently issued the second edition of his book, "The Toughest Job," which shares his experiences in the Peace Corps in 1995 as a civil engineer in Cote d'Ivoire, West Africa.

Barbara Tierney has been named treasurer-collector for Townsend. For the past two years, she has been employed by the town of Groton as payroll coordinator and assistant to the treasurer/tax collector. Barbara's previous experience includes working as an accountant for the Academy for Science and Design in Nashua, as an accountant for Bemis Company Inc. in Pepperell and as an independent financial record-keeping consultant. Barbara is a 1988 graduate of Notre Dame Preparatory School in Fitchburg and holds a bachelor of science in business administration with a concentration in finance from UMass Lowell.

1996



Theofilos Vougiaris was recently elected to a three-year term on the board

of directors of St. George Greek Orthodox Cathedral in Manchester, N.H. Theofilos is an attorney who specializes in trust and estate planning, including the preparation of wills, revocable and irrevocable trusts, supplemental needs trusts, powers of attorney and advance directives for health. Theofilos is a member of the New Hampshire and Massachusetts bars. After earning a bachelor's degree in criminal justice at UMass Lowell, he earned a law degree at the University of New Hampshire. Theofilos lives in Manchester with his wife and children.

1997

Christopher M. Bopp graduated from Kansas State University with a Ph.D. in anatomy and physiology in December 2015.

2000

Denise M. Meyer and family were blessed in February with a second child, Gavin Robert.

Over the summer, Denise and her family relocated to New Hampshire after she accepted the position of director of marketing communications for Omtool Ltd., a software company located in Andover.

2003

Adam M. Hogue has founded a financial technical firm, Constant Advisor.



Roberto Vellella married his longtime sweetheart Amy Lunney of Pittsburgh, Penn., on Friday, Nov. 13, 2015. The couple wore black in a nod to the date. Roberto has relocat-



ed to western Pennsylvania, where he works for the Office of Student Life at the Community College of Allegheny County's North Hills campus. He credits his time as editor-in-chief of The Connector for his success reviving and advising the student newspaper at CCAC.

2004

Martha J. Marsden began working at Sonesta St. Maarten. Her responsibilities include public relations,



managing social media, photography, videography, graphic design, marketing, real

estate sales, public relations and events. She also started Avine Car Rental.

Continued on Page 60

► CLOSE-UP CLASS OF 2009



The Influential Entrepreneur

Nigerian-born Ukeme Awakessien-Jeter earned her MBA from the Manning School of Business in 2009 and is now an intellectual property attorney at the law firm McDonald Hopkins in Cleveland. She is also one of "20 Influential African Women Entrepreneurs and Leaders in America to Watch in 2016," according to Ladybrille Magazine.

"Being a relatively new attorney, to get this kind of accolade is pretty exciting," says Awakessien-Jeter, who earned her law degree from Case Western Reserve University in 2013. "I was surprised my name was on the list, but it's always an honor."

After majoring in mechanical engineering at the University of Maine, Awakessien-Jeter chose UMass Lowell for her MBA because it allowed her to take classes online while working full-time for Georgia-Pacific paper products in Arizona.

"The reputation of a good school that people actually know, combined with the fact that you could do it conveniently with your work schedule, was great," says Awakessien-Jeter, who last summer was appointed co-chair of the American Bar Association Young Lawyers Division Intellectual Property Law Committee.

If all that doesn't keep her busy enough, Awakessien-Jeter is also about to launch a social venture to promote early childhood literacy in underserved countries like her native Nigeria—work inspired by her 3-year-old daughter Aubrey.

"You start hyperventilating when you think about how overwhelming it is," Awakessien-Jeter says, "but my husband Aaron is amazing and offers great support."—EB

► CLOSE-UP CLASS OF 2004



'LIFE IS PRETTY AWESOME RIGHT NOW'

The path Matt Windt '04 has followed is not one he would have seen for himself. But by going where he was called, and trusting in fate and in himself, he finds himself today in a place, he says, "about as good as anything I ever imagined."

He left UMass Lowell 12 years ago with a degree in mechanical engineering. It took him no time at all to find his first job: as a product engineer at Burton Snowboards in Burlington, Vt., where he spent a little over two years as part of an engineering team responsible for the development of premium snowboards. Word of his success there must have traveled—because in early 2006 came a call he "would never in a thousand years" have predicted: from Bose Corp. in Framingham, perhaps the world's premier manufacturer of audio equipment.

His background wasn't in electronics. And at first he wasn't sure how to respond. But in the end, he says: "The opportunity to work for such an amazing institution was just too good to pass up."

He was there a little more than three years—by the end of which he was overseeing the engineering of in-ear Bluetooth headphones, all the way to the commercialization phase. It was, he says, a time of both learning and high achievement: "My passions and drive were harnessed" as never before.

His next move, in the fall of 2009, was the defining one: to Skullcandy Inc. in Park City, Utah, a \$350 million company that markets headphones, earphones, MP3 players and other audio products. He was brought in as a product manager; within less than three years, he had risen to the post of director of product development, the title he holds today. "This is a role that moves at a fierce speed," he says. "It is the cornerstone of Skullcandy's ability to develop, commercialize and bring to life new products in our audio product lines."

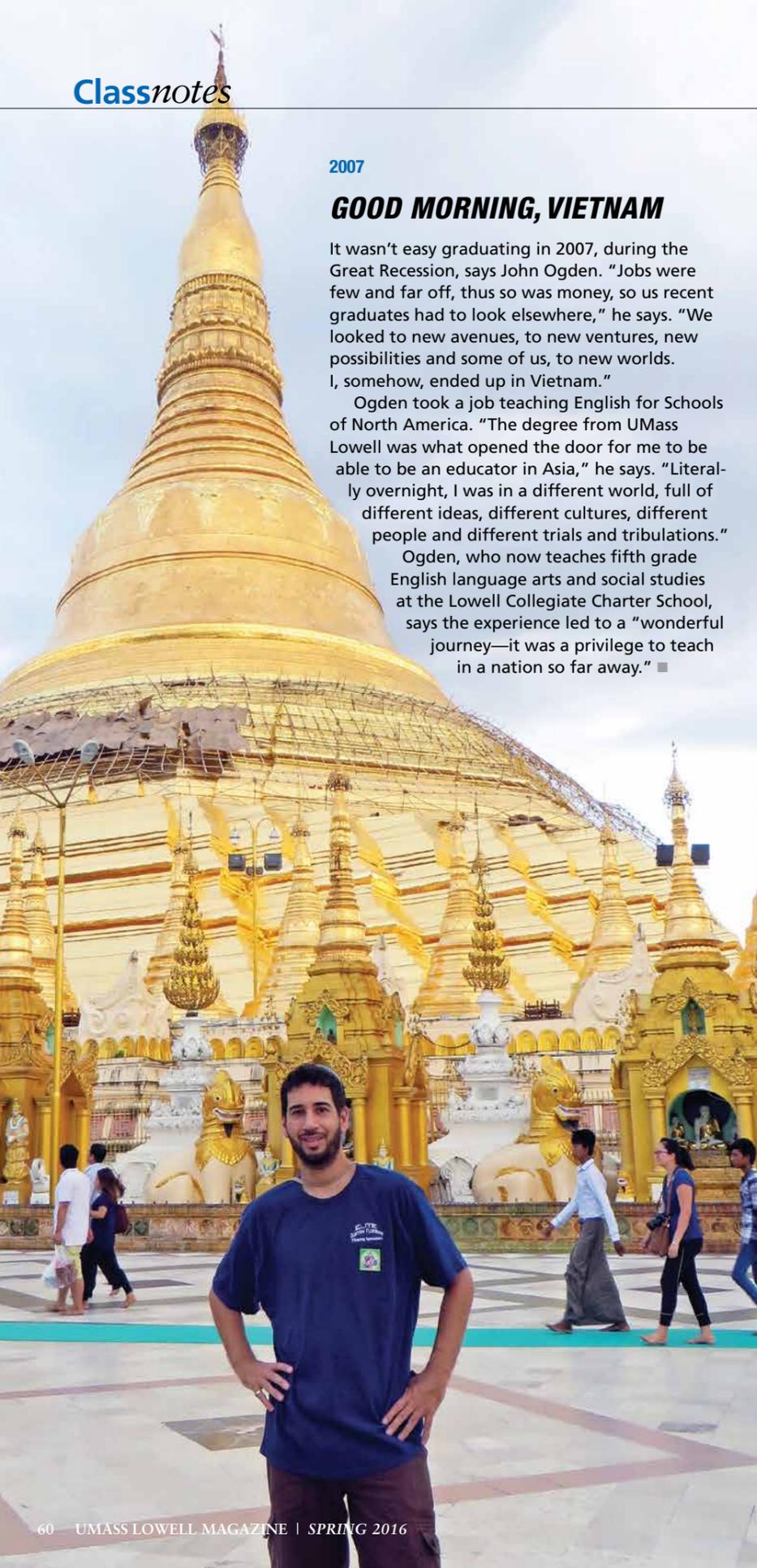
So, only 12 years out of school, not only is Windt at the top of his game in an unexpected field, he also has the best sort of company—his girlfriend, Kari Geddes '09, another Skullcandy staffer, is right there with him.

"I guess it's been proof of that old lesson—that hard work really does get rewarded. Life is pretty good, pretty awesome right now," he says.

At least some of the credit for those rewards, he says, belongs with some long-ago mentors:

"The things I learned at UMass Lowell were about a lot more than engineering. They were about how to succeed at life, how to succeed at anything: You identify your challenges, find the path through them, then pursue it. There were some professors I had there who really lived that lesson."—GD





2007

GOOD MORNING, VIETNAM

It wasn't easy graduating in 2007, during the Great Recession, says John Ogden. "Jobs were few and far off, thus so was money, so us recent graduates had to look elsewhere," he says. "We looked to new avenues, to new ventures, new possibilities and some of us, to new worlds. I, somehow, ended up in Vietnam."

Ogden took a job teaching English for Schools of North America. "The degree from UMass Lowell was what opened the door for me to be able to be an educator in Asia," he says. "Literally overnight, I was in a different world, full of different ideas, different cultures, different people and different trials and tribulations."

Ogden, who now teaches fifth grade English language arts and social studies at the Lowell Collegiate Charter School, says the experience led to a "wonderful journey—it was a privilege to teach in a nation so far away." ■

2007



2011

Timothy A. French, Jr. is engaged to be married to Kerrin E. Stewart. Timothy is employed as an attorney in Chelmsford. He earned a law degree at the UMass School of Law. A July wedding is planned.



Clint Cooper recently moved from London, England, where he worked at Experian for two years. He has joined a new software startup in Austin, Tex., where he and his wife are expecting their first child. (Photo was taken at the 2015 Ascot horse race outside London.)

2008

Lt. Adam Kelly, who served with the campus Air Force ROTC program, was commissioned as an officer in the Air Force after graduation. Stationed at Hanscom Air Force Base, he works as a Tactical Automated Security Systems program manager for Battle Management. Recently, Adam received the Distinguished Young AFCEA Award for his contributions to the Lexington-Concord Chapter of Armed Forces Communications and Electronics Association. He received the award from Lt. General Robert Shea, USMC (Ret.), president and CEO of AFCEA International at the AFCEA West conference in San Diego.



2014

Margaret Noel moved from Saratoga Springs, N.Y., and took new job as associate director of programs and communications in Alumni Relations at Grove City College near Pittsburgh, Penn.

2014

Tyler Willett was married to Meghan Schreiner on Nov. 28 at Saints Peter and Paul Church in Hamburg, N.Y. Tyler is an actuary for Massachusetts Mutual in Hartford, Conn. The couple will make their home in Milbury, Mass.

2015



Arjun Mehta began working at Barclays Bank in Delaware as a business systems analyst. ■

► CLOSE-UP CLASS OF 2011

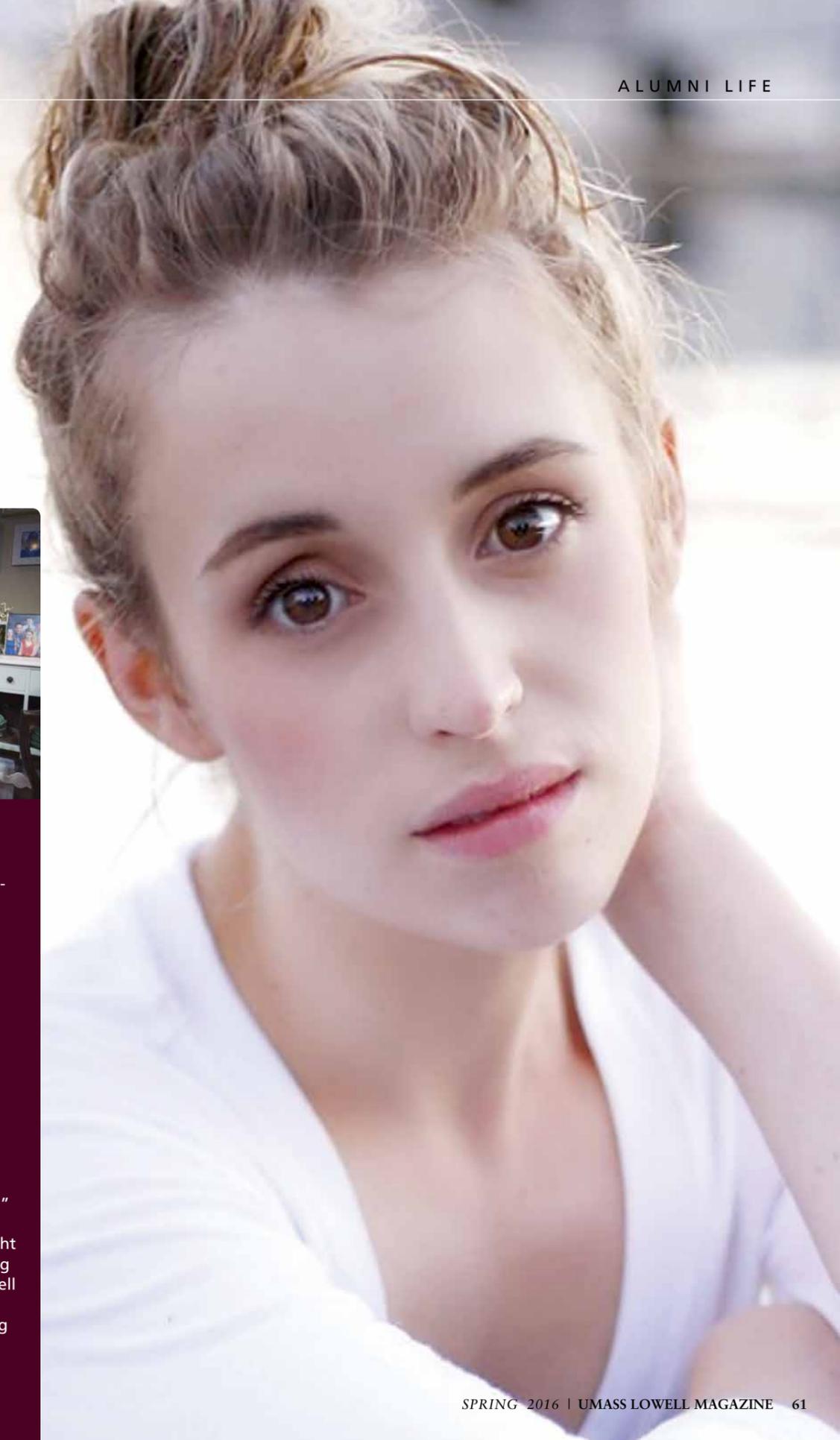


Class Act

Woburn native and UMass Lowell graduate Danielle Bourgeois was recently nominated for a Helen Hayes Award for Outstanding Supporting Actress in a play. The award program, now in its 32nd year, recognizes outstanding achievement in more than 90 professional theaters across the Washington metropolitan area.

Bourgeois was nominated for her role as Kaylee Stewart in "One in the Chamber," which was produced in collaboration with Forum Theater last August in Washington, D.C. The Awards will be held on May 23.

Winning the award was "encouraging," Bourgeois told the Woburn Advocate. "It gives you a little hope that you might actually be able to do this whole 'acting thing.'" Added Bourgeois, "I want to tell stories that are meaningful. I want to play great characters with great writing and, you know, health insurance would be great."



Our Legacy, Our Place Is Coming to YOUR Place

At UMass Lowell, there's so much to celebrate, we're taking the celebration on the road.

This year, Chancellor Jacquie Moloney '75, '92 is hitting the road for a series of regional receptions around the country. This is your chance to meet your new chancellor and to connect with other alumni—and with everything that's happening at UMass Lowell today.



You can also learn more about *Our Legacy, Our Place*, UMass Lowell's first-ever comprehensive fundraising and alumni engagement campaign.

See www.alumni.uml.edu/LegacyEvents for the latest on dates and locations. Or contact the Office of Alumni Relations at Alumni_Office@uml.edu or 978-934-3140.

ON the ROAD

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OUR PLACE
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River Hawks on Campus...



[1] English alumni visited campus to talk to students about career paths. From left: Maddie Koufogazos '15, Matt Chase '15, Morgan Hough '08 and Megan Posco '14.



[2] During his visit to campus Ambassador to Portugal Robert A. Sherman speaks with Chancellor Jacquie Moloney '75, '92 and Luis Pedrosa, member of the Saab-Pedrosa Center for Portuguese Culture and Research Advisory Board.



[3] Track and Field Head Coach Gary Gardner, left, presented former coach George Davis with a pair of custom River Hawk sneakers for his birthday.

... And Around the Globe

[4] Vice Chancellor for Advancement John Feudo brought updates from campus to more than 60 alumni and friends in Taiwan and Hong Kong in January. An enthusiastic group gathered at the China Club in Hong Kong. Back row, from left: Allen Chan '77, Sunny Leung '93, Fred Jao '92, Noel Wong '74, Josephine Lau, Anne Shih, Louis Shih '72 and Yu Kwong Wong '98. Front row, from left: David Lam '91, Feudo and Patrick Lau '76.



[5] River Hawk Love Birds, Mary '07 and Phil '05 Falardeau travel to Belfast, Northern Ireland with other alumni and friends for the Friendship Four, but not without stopping to take time and appreciate the history of the region.



Hockey Nights

[1] Student and alumni veterans enjoy a hockey win over the University of Maine at the Veterans Appreciation Night at the Tsongas Center. From left: Allen Zohdi '08, Shalane Reeves-Torkelson, Ryan Fitzgerald, Allen Iem '15, David Tetreault '15, Jacqueline Rideout '15, sLatashia White and Jonathan McEachin.

[2] Senior Michael Chiauzy, an exercise and physiology major, and his parents, Bobbie and Emil, chat with Associate Dean of Health Sciences Deirdra Murphy '00, '04 at the Parent and Family Appreciation Night at the Tsongas Center.

[3] Student Alumni Ambassador Janice Lane '15, left, and Beth and Ron Gyurcsik get a kick out of being photographed with Rowdy at the Electrical and Computer Engineering Night.

[4] Seven-year-old Leah Monahan, daughter of Brenda Monahan '91, '11, captured a great shot of Alpha Omega. Actives and alumnae gathered to connect and share memories at their Alpha Omega night at hockey when the River Hawks took on the UMass Amherst Minuteman.

[5] Barbara Armiento, far left, Dean of Francis College of Engineering Joseph Hartman, Miriam Margala and Co-Director of RURI Craig Armiento watch Chancellor Jacque Moloney '75, '92 share a high-five with Co-Director of RURI Chris McCarroll '05 during Raytheon Alumni & Friends Hockey Night.

[6] Paul Cassidy '51, with his wife, Frances, gives a thumbs up to Darth Vader and his Storm Troopers who joined the Fine Arts, Humanities and Social Sciences Appreciation Night alumni reception at the Star Wars themed hockey night.



Hockey Nights (continued)

[7] Dean of Education Anita Greenwood '84, '92, left, and Assistant Director of Enrollment and Technology Johanna Bohan-Riley attended the Graduate School of Education Hockey Night.

[8] Sigma Phi Omicron alumni gather for their fifth annual endowment fundraiser and alumni night at hockey. From left: Andrew Parke, Paul King '99, Danny Donaher '14, Adam Cunningham '16, Thomas Bork, Derek Jones and Justin Anastos '06.

[9] From left: Jim Hajjar '85, Chair of School of Nursing Lisa Abdallah and Project Manager of Nursing Laura Hajjar '16 enjoy an evening at hockey with fellow College of Health Sciences colleagues and friends.

[10] UMass Lowell football alumni reunite at a hockey game. From left: Brian Connolly '75, James Nutter '76, Jim Bender '75 and Rocky D'Angelo '76.

[11] Alumni reconnect with their academic advisers at the Kennedy College of Sciences Appreciation Night and witness a River Hawks win over the Boston University hockey team. From left: David Eberiel, Peter Sebeny '94 and Shawn Silva '94.

[12] The Greek Alumni Council returned to campus to reconnect at a hockey game and raise funds for their endowment.

[13] David Travis '80 was the proud raffle winner of a River Hawks bobblehead at the Delta Kappa Phi Alumni Night. In the background are Student Alumni Ambassador Deepesh Moolchandani '16 and Julie Kirsch '79.

[14] After dying his hair blue, Dean of Francis College of Engineering Joe Hartman awards the 2016 Dean's Cup to the engineering week's winning team Un-CIVIL-ized with Civil Engineering Chair and Professor Pradeep Kurup. Students, from left: Alex Buntin '17, Erica Hart '17, Michaela Fitzgerald '17, Tai Ash '17 and Jim Basile '17.

[15] The new Chair of Accounting Advisory Board Tammy Concannon '89, left, with her husband, Peter, and daughters, Kaleigh and Meghan, enjoy the game at the Manning College of Business Hockey Appreciation Night.

Remembering Amber Zapatka '11,'13



Amber Zapatka was exceptional.

Long a male bastion, engineering and plastics engineering found a strong ally in the young woman who broke the mold.

After earning her engineering bachelor's degree in 2011, she signed on as a project engineer with Nypro, in Clinton, where she had worked as a paid intern since 2008. Zapatka earned her master's degree (in 2013) at UMass Lowell at night. She was so good at what she did as a Master Molder Level III instructor, she could "train the trainer," according to Robert Malloy, chair of plastics engineering.

Zapatka died in July 2015 in a motorcycle accident in Hudson. She was 27. The death rocked those who knew her, especially within the plastics department.

In her memory, UMass Lowell established the Amber L. Zapatka Endowed Scholarship to benefit students in plastics engineering. Calling Zapatka "an inspiration in every way," Malloy said the best way to honor her is to "enable other students to carry her legacy forward."

"She was around a lot," says Malloy. "It was tough. Her family lives right up the street and she'd been here getting her master's. We saw her a lot. She was definitely special. Women are a minority in engineering, but Amber was very hands-on, and she loved tooling. So she went into manufacturing, which was even more rare for a young woman."

She had other passions. A nationally ranked rower while at Lowell High School, Zapatka was in the rowing club, up at 5 a.m. for practice on the Merrimack. She ran the Reach the Beach long-distance relay event from Breton Woods to Hampton Beach, N.H., each year, along with Malloy and others. She spiked a mean volleyball. She golfed. She enjoyed skiing. She made ornaments and dressed in character for an annual Christmas party for children.

"We—12 people—did the Reach the Beach run in September, and memorialized her this time," says Malloy. "We had T-shirts printed. And before that, there was a celebration of her at Kimball Farm in Westford. So many people showed up."

Nypro and the Francis College of Engineering have scheduled the Amber Zapatka Memorial Golf Tournament for Tuesday, May 31. All funds raised will benefit the Amber Zapatka memorial Scholarship Fund at UMass Lowell.—DP

DECEASED

YEAR	NAME	YEAR	NAME
1928	Genevieve E. Scannell	1966	George F. Heeley
1933	Haig (Markarian) Markarian	1966	Charles R. Cordeau
1939	Margaret J. (Hedstrom) Oliver	1966	William C. Pizzano
1939	Josephine F. (Callagy) Clifford	1967	Steven P. Hackman
1942	Grace E. (Howe) Klar	1968	Clyde F. Bongiovanni
1943	Bruno Petricek	1968	Paul R. Niemi
1943	Morton Schlesinger	1970	Joseph E. Coty
1944	Germaine D. (St. Hilaire) Lirette	1970	Paul R. Lareau
1944	Betty C. (James) Campbell	1971	Sandra A. (Murray) Houde
1947	Dorothy E. (Gately) Ruelle	1972	Arthur P. Veves
1948	Patricia C. (Mangan) Gill	1972	John J. Hemenway
1949	Leopoldo C. Guggenheim	1972	Andrew A. Balamotis
1949	Raymond E. Roy	1973	David G. Eldridge
1949	Lawrence C. Gardner	1974	Laurence M. Tozier
1951	Virginia A. (Ryan) Collins	1974	William A. Tardiff
1951	Murray M. Goldberg	1975	Thomas E. Desrochers
1951	Joseph D. Noonan	1975	Raymond J. Raudonis
1954	Joan M. (Smith) Schindler	1977	John W. Hoyt
1954	Mary C. (Lamb) Nee	1978	Richard J. Lesiczka
1954	Richard C. Gesner	1978	Edward R. Brezinski
1955	Joan S. (Sullivan) Baranski	1978	Timothy J. Crossland
1955	Marilyn R. (Hanley) Paradis	1978	Arland W. Nottmeier
1955	Dorothy R. (Campbell) Meserve	1979	Steven G. Rosa
1955	Vincent J. McKone	1980	Kathleen M. Marino
1955	Fred D. Iannazzi	1980	Raymond A. Hebert
1956	Gildo V. DiLoreto	1980	Ronald R. Beaudry
1956	Stephen N. Papeacos	1981	Kevin P. Enwright
1956	Laurence B. Walsh	1983	Michael R. Usovicz
1957	Vincent W. Kulickowski	1986	Bernard M. Stachura
1957	Rino L. Pellissier	1989	Carol N. Weys
1958	George A. Lyna	1992	Eric P. Hannemann
1958	Frank G. Cagliuso	1992	Michael A. Devincenzi
1958	Donald A. McQuarrie	1992	Peter A. Missick
1959	Adrian E. Lambert	1993	Joann M.C. (Coppola) Trull
1960	Paul A. Saunders	1994	Cammie Lee Rodgers
1960	Patricia L. O'Neill	2003	Stanley C. Swann
1961	Richard W. Dyer	2003	Richard A. Osborne
1963	Dianne E. (Freedman) Naplan	2015	Christopher B. Barton
1963	George K. Raikos		Daniel J. Sandman
1963	Ronald L. Jalbert		Paul Damour
1964	Ann E. (Hansen) Kirk		Janis Ozimek-Maier
1964	Leon J. Pechinski		Betti Anne Fortin
1964	James T. Callahan		Ronald M. Pickett
1964	Michael J. Cahill		Barbara Miliaras
1965	Rosemarie S. (Costanza) Johnson		William W. Bannister
			Norwood H. Keeney

Then...



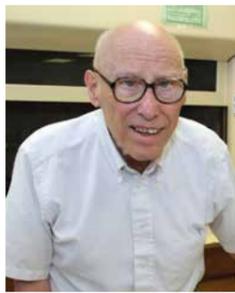
In a Lowell Technological Institute dye lab in Southwick Hall in the 1950s or 60s, a textile chemistry student works with a pressure dyeing machine. To get a fast infusion of color throughout the entire fiber, he inserts a cake of yarn into the pit—similar to a pressure cooker.

Prof. Daniel Sandman: dedicated to students until his last day

Daniel J. Sandman, Ph.D., a professor of organic and materials chemistry at the Kennedy College of Sciences and associate director of the Center for Advanced Materials, passed away unexpectedly on March 4. He was 74. He is survived by his wife, Alma, and their children and grandchildren.

Sandman joined the UMass Lowell faculty in 1992, after a 19-year career as a scientist at Xerox Corp. and GTE Laboratories. He taught in the Department of Chemistry for 23 years and was known as a devoted teacher, working hand-in-hand with undergraduate chemistry majors and Ph.D. students. He also ran the Research & Engineering Apprenticeship Program on campus for 13 years. REAP is the Army's annual summer outreach program for high-school students that gives hands-on research opportunities in the STEM fields. Sandman mentored dozens of talented young scientists from schools across the Merrimack Valley as part of the program.

"Dan was a brilliant scientist, dedicated teacher and researcher, and was world-renowned for his work on conjugated polymers," says Ramaswamy Nagarajan, associate professor in the Department of Plastics Engineering. "He kept doing his duty in spite of health issues. His dedication until the very last day was amazing."—EA



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Researchers in “bunny suits” use the CHA Industries electron-beam evaporator system in the clean room of the Nanofabrication Laboratory to co-deposit both conductive materials and dielectrics. The lab is a university Core Research Facility housed in the \$80 million Mark and Elisia Saab Emerging Technologies and Innovation Center on North Campus.





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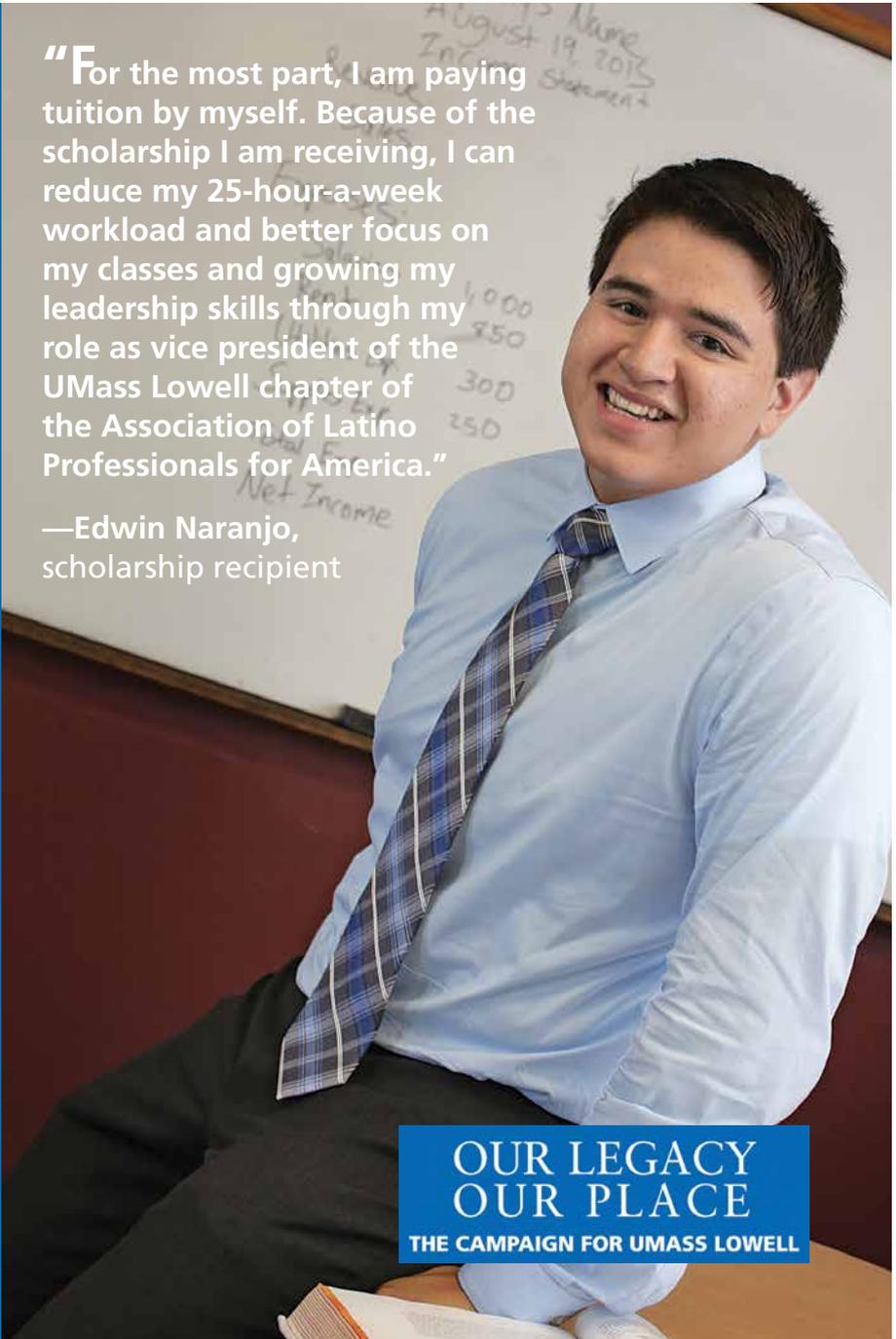
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www.uml.edu/ourlegacy-ourplace

A photograph of Edwin Naranjo, a young man with dark hair, wearing a light blue dress shirt and a patterned tie. He is smiling and looking towards the camera. He is sitting at a desk with a whiteboard in the background. The whiteboard has some handwritten notes, including 'August 19, 2015', 'Net Income', and some numbers like '1000', '950', '300', and '250'.

"For the most part, I am paying tuition by myself. Because of the scholarship I am receiving, I can reduce my 25-hour-a-week workload and better focus on my classes and growing my leadership skills through my role as vice president of the UMass Lowell chapter of the Association of Latino Professionals for America."

—Edwin Naranjo,
scholarship recipient

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