Alumni who contribute to the University’s annual Lowell Fund provide much needed financial support for academic programs. Lowell fund gifts enable the University to meet current priorities by bridging the gap between tuition revenues and the cost of providing a high quality education.

The University depends on your help to maintain its level of excellence.

Your Lowell Fund gift provides the following:
• increased student scholarships,
• research opportunities for both graduates and undergraduates
• Support for talented faculty, and
• Improved technology on campus.

To put your gift to work today...

Mail your gift in the envelope attached to this magazine to:
Office of University Advancement,
600 Suffolk Street, Lowell, MA 01854.

Charge your gift by calling Kathrine Hastings, director of The Lowell Fund, at (978) 934-4808 or e-mail your questions or comments to: kathrine_hastings@uml.edu

The Lowell Fund... It’s your philanthropy at work.
Dear Alumni, Parents, and Friends:

The University of Massachusetts Lowell today is a different institution than it was in 1993, when we began a major realignment of the campus and developed a plan that would carry us through the early years of the new century. During that time we focused our mission on assisting sustainable regional development, reallocating funds to modernize our laboratories and equipment and refurbish buildings and grounds, built a recreation center, formed partnerships with the City of Lowell that yielded a new arena and ballpark, and strengthened the University as a whole.

Our current strategic plan includes a number of objectives, such as stabilizing enrollment, enhancing the teaching and learning dynamic, expanding technology across campus, increasing external funding, and enhancing our mission activities. We identified three new income streams to help us reach our goals the commercialization of intellectual property and expansion of non-government research and development; the redesign of our continuing studies/corporate education program with a major on-line component; and a significant expansion in fund-raising. We have made substantial progress in these areas.

A agile as we have had to be in the past, several years to keep moving forward, U Mass Lowell must keep adapting and responding to new conditions. One of those changes is a nationwide climate that has led to decreasing state support for public higher education.

Massachusetts Senate President Robert E. Travaglini recently appointed state Senators Steven C. Panagiotakos of Lowell and Stanley C. Rosenberg of Amherst to co-chair a task force that will develop a ten-year plan to reform public higher education in our state. In the past two years, Massachusetts has had the largest decrease in state funding for public higher education in the nation — a 23 percent reduction. Massachusetts ranks 49th and 48th respectively in state spending on public higher education per $1,000 of state income and state spending on public higher education per capita. State Senator Panagiotakos says, "If we continue to push the system down this path, we will be witnessing the slow dismantling of the only affordable public higher education we have in Massachusetts ... What is needed is a realistic, well thought-out ten-year plan, with the same commitment that was made to K-12 education over a decade ago.

A other factor facing the Lowell campus is rapidly changing technology that affects the way everyone teaches and learns. To keep pace, we have included this issue in our new strategic plan called the 2003-2013 Transformation Plan.

We will explore new approaches to teaching and learning that incorporate the latest technology and reflect the way people now organize their lives. We will work to redesign the academic experience. In restructuring the undergraduate program, our objective is to make U Mass Lowell a "school of choice" for a larger pool of potential students. We will implement the most cost-effective business practices and improve student services. To supplement state support, we will develop new sources of earned income and work energetically with our alumni and friends to raise the level of gift giving.

Our chief academic goal is to provide undergraduates at Lowell an experience in which they learn how different kinds of knowledge interrelate and how that dynamic shapes the sustainability of a vibrant society and robust economy. We will offer an excellent education to all students in a safe, inviting, and supportive environment. From a financial perspective, we will make a U Mass Lowell education accessible by granting significant campus-paid financial aid. This aid will be available as a result of continuous cost-saving efforts across campus. Overall, we intend to be recognized widely as a leading public university.

U Mass Lowell’s future depends upon the embrace of a far-sighted public that appreciates the value of investing in our programs, all of which contribute to the greater good in Massachusetts and the wider world. Together, we can complete a transformation that will carry U Mass Lowell into the middle decades of this century as a leading public university.

William T. Hogan
Chancellor

Calendar of Events

M A Y 2 0 0 4

Sunday, May 2
Charlotte’s Web
Family Discovery Series
Durgin Hall
UML South

Monday, May 3
Wind Ensemble
Prof. David Martine, Director
Durgin Concert Hall
UML South

Friday, May 7
STARTS Program
Tom Chapin and Friends:
This Pretty Planet
Durgin Concert Hall
UML South

Friday, May 7
Biography Alumni Awards and Reception
UML North & Brewery Café & Grille

Thursday, May 13
Contemporary Electronic Music Ensemble
Dr. John Shirley, Director
Durgin Concert Hall
UML South

Thursday, May 13
Graduating Senior Brunch
Cumming Hall
UML North

M A Y 1 5 - J U N E 1 2
BFA Candidates Spring 2004
UNIVERSITY GALLERY
UML South
Reception: Sat., May 15, 2 - 5 p.m.
University Gallery & Dugan Gallery

S U N D A Y, M A Y 1 4
Dedication of 9/11 Memorial
UML North

S A T U R D A Y, M A Y 1 5
All City Youth Wind Ensemble
Prof. Debra-Nicole Huber, Director
Durgin Concert Hall
UML South

T H U R S D A Y, M A Y 2 7
UML Annual Golf Tournament
Sky Meadow Country Club
Nashua, NH

J U N E 2 0 0 4

Sunday, June 6
Commencement Ceremony
TSONGAS ARENA
Lowell

J E N N Y 2 0 0 4

June 23
U Mass Night at the POPS
Symphony Hall
Boston

June 27 - July 7
Alumni Campus Abroad
Old Castle, Spain

J U L Y 2 0 0 4

Engineering Design Camp 2004
Sessions begin July 12 through August 6

Saturday, July 17
Summer Band Camp
Durgin Concert Hall and Cookout
UML South

L U C H E R 2 3 - 2 5
Lowell Folk Festival

A U G U S T 2 0 0 4

August 17 - 25
Alumni Campus Abroad
Aix-En-Provence, Provence

August 31
UML Night at the Lowell Spinners Baseball Game
LeLacheur Park
Lowell

S E P T E M B E R 2 0 0 4

September 18 - 27
Alumni Campus Abroad
Sicily

Circle of Distinction Event
Date TBA

O C T O B E R 2 0 0 4

October 15 - 16
Fall Festival/Reunions/Homecoming

N O V E M B E R 2 0 0 4

Saturday, November 6
Francis Cabot Lowell Awards and Athletic Hall of Fame DoLletteur Hotel
Lowell

For more information on alumni activities, please check our Alumni Web site calendar: www.uml.edu/Alumni or call the Office of Alumni Relations, toll free (877) UML-ALUM or (978) 934-3140.

For more information on Athletics, go to www.GORIVERHAWKS.com or call (978) 934-2310.

For more information and reservations on the Family Discovery Series, please call the Center for the Arts at (978) 934-4444. For more information and reservations on the SMARTS Program, (978) 934-4452.

Interested in subscribing to The Connector, UML’s student newspaper? Please call (978) 934-5009 or e-mail your request to connector@uml.edu.
Write to us using this form with news about your family, career, or hobbies. If you send us a photo we will gladly include it and return it to you after it appears. This form may also be used for updating a new business or home address or phone number. Be sure to give us your e-mail address so you can receive our e-newsletter.

Name: 

Women: Please include your graduation name. 

Class Year: 

Home Address: 

City: 

State: 

Zip: 

Home Phone: 

E-mail Address: 

Employer: 

Title: 

Business Address: 

City: 

State: 

Zip: 

Business Phone: Fax: 

Please send to: 

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600 Suffolk St. 
Lowell, MA 01854-3629 
Fax: (978) 934-3111 
E-mail: Alumni_Office@uml.edu 

What topics would you enjoy reading more about — Alumni, Students, Faculty, Campus? 

News about you: 

Thank you!
Advancement Effort Surges as Major Gifts Announced

The advancement Office surged into 2004 on the strength of almost $900,000 in cash gifts received in December, as well as several other significant major gift pledges announced at year’s end. Unrestricted cash gifts for the Lowell Fund, which is led by new Director Katherine Hastings and new Assistant Director Kathryn Lee ’03, were 40 percent ahead of last year’s pace, due to a more consistent focus on securing discretionary support for the entire campus.

UMass Lowell’s 2002 Distinguished Alumnus Award recipients Charles and Jacqueline Puliafico committed $500,000 to endow a fund to be used for private fundraising, which is led by Asst. Prof. Fred Martin, computer science.

Among the major gifts received was a $300,000 donation from alumnus Roy Eynon. “Our aim is to increase cash gifts for the campus priorities and projects that will help fulfill the campus mission,” says Eynon. “The chancellor, vice-chancellors, provost, deans, faculty, and everyone all the way down the line have been instrumental in these efforts.”

Computer Science’s Martin Holds First Egg-Hunting Contest

Ten students in the Robotics I class taught by Asst. Prof. Fred Martin, computer science, had just two weeks to design and fabricate robots that could complete a complex task. The robots were fully autonomous—not remote controlled—and competed “head to head” to gather plastic eggs. Eggs of one color added points and eggs of another color subtracted. The winner was Michael Bohan, senior computer science major from Harvard, Mass. Runner-up was Aaron Barabas from Romania, who lives with a family in Bedford. A robot also is a senior computer science major.

David Daniel

The point of the competition was for the students to demonstrate their range of knowledge of how robots work by designing them to perform a specific task,” says Martin. Project management was also important, as the one- or two-person teams had only two weeks from initial concept to performance.

“Hey, lived in the lab,” says Martin. “Hey had to learn to manage their expectations of what could be accomplished. Any started with a more complex design and then had to simplify it.”

Man of Mystery Becomes Writer-in-Residence

“I looked up and saw the old guy standing in my office doorway pulling a sawed-off shotgun out of a brown paper bag. He was wild-eyed, wired from the three-flight climb. The bag was the long thin kind that hero sandwiches come in. He tossed it aside and stepped toward my desk, where my morning coffee steamed in the cup.”

“You’re Mr. Rasmussen,” he said. “I’m gonna give it to you.”

So begins Gofy Foot, the soon-to-be-released third book in a series of mysteries chronicling the adventures of A lex Rasmussen, a retired beat cop working as a private investigator out of a dingy office in Lowell’s Keeney Square.

Rasmussen is the creation of David Daniel of Westford who was this spring’s Jack Kerouac Writer-in-Residence. Daniel has been an adjunct instructor through continuing studies, the Provost’s Office and John Sampas, literary executor of the Jack Kerouac Literary Estate.

Dubus Is in the House

It was one of the best years of his life, he says. For much of 2003, A ndRé Dubus III got up early every morning and worked with his brother (who until the late afternoon, building a 6,000 sq. ft. home for his family in N ewbury.

When the sun went down, Dubus would retire to his office to write, before using the last of his energy for family time with his three children and wife, Fontaine.

“ ’Curiosity is always the fuel for writing,’ he says. ‘The classroom will set aside his hammer to help publicize The House of Sand and Fog, a film based on his 1999 book of the same title. This spring he returned to the UMass Lowell campus as a visiting professor in the Department of English.”

He was last on campus as the jack Kerouac Writer-in-Residence, in 2001. This past fall, he called Prof. Bill Roberts, chair of English, and asked if there were any courses he could teach. Dubus told him he was eager to get back into the classroom.

“ ’Curiosity is always the fuel for writing,’ he says. ‘The classroom will remind me that it’s not so much about me as about process.”

DOE Approves Music Teaching Degree Program

The Massachusetts Department of Education has given its approval to UMass Lowell’s music teaching program, providing the final approval required for the new program to award licenses to new teachers.

The University’s program was reworked into an integrated, dual-degree sequence that would enable students to earn both a bachelor of music in music studies and a master of music in teaching in five years.

UMass Lowell is the oldest degree-granting institution of music educators in the country, and there are more of its graduates teaching music in Massachusetts than all other programs combined.

College’s Arts & Sciences

Frederick C. McKone ’65, CEO of Albany International, and Newt Saab, retired chairman of American Radiology Labs, each committed $100,000 to endow the Frank McKone and Leo F. Saab Endowed Scholarships.

“Leo and I had a wonderful time,” says Saab. “The McKone Scholarship is needed to help him when he needed it. It is well deserved. It is a very special honor.”

The scholarships are intended to support the Frank McKone Scholarship Fund, part of a $100,000 multi-year pledge to the Plastics Engineering Department for many years. Mark Saab ’81, made a $125,000 donation to renovate a new plastics engineering properties testing laboratory in Ball Hall. Saab is president of A dvanced Polymers Inc. of Salem, N.H.

Jim Dandeneau ’80, president and CEO of Putnam Plastics in Thompson, Conn., contributed $40,000, the first third of a $120,000 pledge that will be used to support the Plastics Engineering Department, the family scholarship fund established in 2000, the Leo F. Kline Scholarship Fund, and the men’s ice hockey program in which he played.

Former honorary degree recipient Frank M. Ckone ’56 donated $20,000 as part of a $100,000 multi-year pledge to support the Frank M. Kline Scholarship Fund and the James B. Francis College of Engineering Endowment Fund. Mckone is the retired board chair and CEO of A lbany International.

Three radiological sciences graduates, Lorenzo Cabrera ’94, David Walters ’93, and Steve M. austria ’75, contributed $10,000 in December, the second step toward their pledge of $50,000 for the radiological sciences program. Their environmental radiology firm, Cabrera Services Inc., is based in East Hartford, Conn.

“Our efforts in the Advancement Office are a campus-wide success story,” says Eynon. “The chancellor, vice-chancellors, provost, deans, faculty, and everyone all the way down the line have been instrumental in these efforts.”

The House of Sand and Fog,

Dubus was the winner in the first robotic egg hunt, directed by Asst. Prof. Fred Martin, computer science.

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Globalization Seen as Threat to America’s Workers

Jobs that once moved from one state to another are now moving out of the country, leaving a large number of workers stranded in low-level service employment, according to a spcc. Prof. Robert Forrant of the Regional Economic and Social Development Department (RESD).

Many of the nation’s blue-collar workers who once supplied the labor for America’s factories are now reduced to flipping burgers. Forrant told a recent seminar sponsored by RESD, the Center for Industrial Competitiveness and the Department of Work Environment.

Titled, “Between a Rock and a Hard Place: Some Observations on Labor and Globalization,” the seminar checked the pulse of America’s blue-collar workers and organized labor, and concluded that neither is doing well.

“Workers in the U.S. are being squeezed by companies, backed into a corner,” said Forrant. “Businesses are forcing unions and workers to renegotiate their contracts, signed in good faith, to take pay cuts, and make concessions on seniority, health insurance and various benefits under the threat that if they don’t, the company will move the work.”

Workers, according to Forrant, have few choices: “It’s a question of whether you want to, in the first instance, jump off the bridge and get it over with; or in the second instance, get several thousand paper cuts and, slowly over time, bleed to death. In the end, you still don’t have a job, so that’s the rock and the hard place.”

NSF Grant Expected to Help Students See ‘The Forest’

The problem, says Peter A vitabile, is that students often can’t see the forest for the trees.

They take a course, pass it and go on to the next one in the curriculum sequence. But, all too often, they fail to see how the material they learned in the first course is a building block for the next one — or the one after that.

Even within a single course, says A vitabile, an assistant professor in mechanical engineering, students may ask if material on the first test will be included in subsequent tests.

“From the student’s perspective, the material seems disjointed,” he says. He illustrates this situation with a cartoon that shows a student asking the professor, “Why didn’t you tell us that the material covered at the beginning of the semester was going to be really important for the labs we did?”

The drawing also shows one piece of a jigsaw puzzle that represents the student’s view of the material. (A tree.) A nother panel shows the completed puzzle with all the pieces in place, representing the professor’s vision of how everything fits together as a whole. (The forest)

Now, a three-year, $267,000 National Science Foundation grant to A vitabile and Profs. John W hite of chemical engineering and Stephen Pennell of mathematics may offer a solution.

The objective of the grant project is to develop a multi-semester, interwoven dynamics systems-related project with an online experiment to integrate material in a relevant, meaningful way for student comprehension and retention.

Master’s Program in Meteorology Tackles Pollution Issues

Fly into Boston, or almost any city, on a clear day, and you’ll see a brown smudge of pollution on the horizon. Or watch a hawk, in mid-morning, rising on the air currents above a plowed field or a highway.

You are looking at the boundary layer, the part of Earth’s atmosphere that is controlled by the presence of the ground.

“The boundary layer is where we live,” says Prof. Frank Colby, of environmental, earth and atmospheric sciences and graduate coordinator for the master’s program.

“It is so difficult to understand — so affected by turbulent air movements, small-scale motions with large consequences — that it’s too hard for an undergraduate to handle the math and physics. Even in flat terrain, our models are not very good; add some hills or mountains and...”

Fortunately, UMass Lowell now offers a master’s degree program in meteorology that focuses on pollution and environmental issues.

MIT Researcher Gives Tripathy Memorial Lecture

Dr. Robert Langer, second from right, professor of chemical and biomedical engineering at MIT, was the 2003 featured speaker at the annual Sukant Tri- pathy Endowed Memorial Lecture. In his address, Langer said bioengineering is still at an early stage but there is less skepticism and more hope for it than in the past. With him are, from left, Physics Prof. Jayant Kumar, director of the Center for Advanced Materials; Dr. Ashok Cholli, director of the NMR lab in the Center; and Chemistry Prof. Daniel Sandman, associate director.

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Mercury, the Quicksilver of Old, Proves Both Persistent and Elusive

Mark Hines, associate professor and chair of biological sciences, conducts research in a Slovenian mercury mine that was opened in 1942.

Hines has stood on a hill of mining residue in Spain that dates from the time of the Roman Empire. And he tracks the evidence of mercury deposits in the riverbanks below a Nevada gold mine in which mercury was used.

Mercury is persistent in the environment, according to Hines, showing up in the bodies of native people living above the Arctic Circle increasing in concentration as it moves up the aquatic food chain, lying inactive but available in the soil for hundreds of years and dispersing into the atmosphere from incineration and fossil fuel burning.

“The result of incineration is a prime example of mercury dispersion,” says Hines. “Either the mercury rains out near the source, or it stays in the atmosphere and is distributed worldwide. We can identify a three- to five-fold increase of mercury deposition from the atmosphere globally in the last 100 to 200 years.”

Hines is studying the different kinds of bacteria that are either methylators—turning inorganic mercury into methyl-mercury, or demethylators—breaking down the methyl-mercury into methane and mercury vapor.

“We have found that the methylators are anaerobic and the demethylators are more aerobic,” says Hines. “If there is mercury used in mining that has been deposited on the riverbanks, the samples from deep, wet areas of the bank are methylated and the dry, upper layers are not.

“Surprisingly, the anaerobic bacteria don’t die off in prolonged dryness. When the banks flood, the methylation in formerly dry soil is just as active as if it had always been wet, spreading the absorbable mercury downstream into fisheries and irrigation systems.”

Illustrator Honored for Work on Children’s Book

A st. Prof. Karen Roehr of the Art Department has just received the 2004 Kimberly Colen Work-in-Progress grant from the Society of Children’s Book Writers and Illustrators (SCBWI).

The SCBWI awarded Roehr the grant for an as-yet unpublished picture book for children for which she employed a unique art medium, Chinese calligraphy. This technique is a sort of reverse collage effect in which colored rice papers are layered with watercolor and run through a printing press, producing unusually rich color and texture.

Out of more than 250 applicants from all over the world, Roehr was one of only two grant recipients. She is the first recipient who is illustrating as well as writing her entry.

GSE Helps Professionals Switch to Math and Science Education

Professionals who have been working in industry now have an economical way to change careers. The U Mass Lowell Graduate School of Education, funded by a nearly $350,000 grant from the Robert Noyce Scholarship Foundation, is offering 30 $10,000 scholarships over the next three years to professionals looking to make the switch to math and science education.

Project EXCEL (EXchange: Careers Enhancing Learning) is for professionals in math, science or engineering disciplines with more than five years industrial or research experience. Scholarship recipients will earn a master’s degree in education and will be licensed to teach math or science at the middle or high school levels.

The program requires that they commit to teaching for two years in a high-need school.

“We are satisfying two community needs — helping professionals and meeting the demand for math and science teachers in urban school districts,” says Anita Greenwood, associate professor of education who is administering the program, along with co-principal investigators A. Sass, Prof. M. Hines, biology; Prof. Regina Panasuk, mathematics education; and Prof. A. I. Doerr, mathematics.

“Working with our partners in the Lowell Public Schools and Greater Lowell Regional Technical High School, we can offer career change professionals the opportunity to put their education degree into practice immediately,” Greenwood says.

Middle School Science Teachers Will Gain Degree Online

The Graduate School of Education in collaboration with the University of Massachusetts Amherst has received a three-year, $1.2 million grant from the National Science Foundation.

The project will provide an online master of education degree with a concentration in science education. The program is designed to meet national and Massachusetts standards and, once approved by the Department of Education, will lead to professional licensure for general science teachers who live in the state.

Anita Greenwood, associate professor of science education in the Graduate School of Education, is co-principal investigator. Courses are available online from teams of U Mass faculty and expert public school science teachers.

Colleges - Engineering

UMass Lowell Offers Legislators Insights Into Nanomanufacturing


“Some geographical regions will emerge with greatly enhanced competitive advantage. You could help Massachusetts be one of these regions,” Chancellor Hogan and Engineering Profs. Julie Chen, Stephen M. McCarthy and Joyce M. Mad impressed upon the community and need for the state’s support for nanomanufacturing — and also explained the technology behind it.

U Mass Lowell’s special expertise — along with partners Northeastern University and the University of New Hampshire — is in the manufacturing application of the broad-based science behind nanotechnology.

Analog Scholar-Intern Finds Himself in New Role—Instructor

In five short years, Jay Fu has gone from one side of the teaching podium to the other, from intern to employee — all with the support of
U Mass Lowell and Analog Devices. Fu, a native of China and a Wakefield resident, worked at Analog Devices in Wilmington, where he taught digital electronics for the certificate program and is currently teaching technical skills. He taught Semiconductor Engineering (CSCE) as part of an on-site program.

“I’m enjoying every bit,” says Fu of his engineering and teaching duties. He has found that teaching is making him a better employee, honing his communication, management, and technical skills. He taught Semiconductor Basics as part of the on-site certificate program and is currently teaching digital electronics for the on-site associates program.

Raytheon Corporation in Tewksbury has donated $10,000 to the Dean’s Discretionary Fund in the Francis College of Engineering. Mark Russell, second from right, vice president, Integrated Defense Systems and a UMass Lowell alumnus, presents the check to Dean John Ting. Joining them from Raytheon are, from left, Dan Eaves, microwave engineer; Tony Mariotti, engineering fellow and manager, Technology and Engineering Process; and Ray Waterman, microwave engineer.

Chen Guides Researchers on Working With NSF

Mechanical engineering Prof. Jule Chen, right, on leave from UMass Lowell to serve as a program manager in nanotechnology with the National Science Foundation (NSF), made a presentation recently to the Grants for Lunch series. These information sessions are sponsored by the Research Foundation to keep faculty researchers apprised of opportunities in funding. Physics Prof. Jayed Kumar, director of the Center for Advanced Materials, discusses a point with Chen at the break.

Med Tech Earns Perfect Score in Reaccreditation

The Medical Technology program has received official word of its re-accreditation by the National Accrediting Agency for Clinical Laboratory Sciences. Med Tech is offered as an undergraduate option of the Clinical Laboratory Sciences major.

“This is the third time in a row that we have had a perfect score,” said Prof. Kay Doyle, program coordinator. This accreditation, good for seven years, is the fifth time the program has been accredited.

U Mass Lowell has the only program in Massachusetts with an all Ph.D. faculty.

A credentials made special note of the “dedication and enthusiasm of the program faculty; the dedication and vision of the program director; the support of campus administration and clinical affiliates; the variety of clinical affiliates; the strength of the advisory board; the strength, reputation, and support of alumni; and the quality and amount of campus laboratory facilities and equipment.”

Zhan Appointed Director of Nursing Ph.D.

For Dr. Lin Zhan, newly-appointed director of the Doctoral Program in Nursing, accomplishing a lot seems to come naturally.

In 1985, when she left her hometown of Cheng Du (also the hometown of panda bears), the People’s Republic of China (PRC), she was the first nurse from her homeland to study abroad. In 1987, when she earned her master’s degree from Boston University, and again in 1993 when she received her Ph.D. from Boston College, she was the first nurse from PRC to earn those degrees.

Since then, she has amassed a long list of outstanding accomplishments in both China and the U.S.

“I am outcome oriented,” Zhan says. “I like to get results.”

Her research and professional activities have focused on the healthcare needs of minorities and the elderly and the reorientation of healthcare to a health promotion model. Her interests have often been played out as part of her commitment to nursing education.

“I love to teach,” she says. “Students have such wonderful ideas. I think it is extremely important for nursing education to reflect the real world.”

For the past 10 years, Zhan was on the faculty in nursing at U Mass Boston. The Lowell and Boston campuses have joint doctoral programs, with Boston focusing on health policy and Lowell on health promotion.

“Health promotion is a very important focus in healthcare today,” she says. “Some of this country’s most significant health issues — cardiovascular problems, smoking, obesity, and substance abuse — can best be addressed through a prevention model.”

In addition to her faculty position at U Mass Boston, Zhan has been a visiting professor at four universities in recent years. At each she has been an active teacher across all degree levels and has taken on significant administrative projects.

Researchers Conduct a Make Up Examination

If you knew teenage relatives or neighbors were being exposed regularly to substances like formaldehyde, lead or propane, it would probably cause you some concern. Yet, many are.

The exposure may occur, not necessarily coming too close to a toxic source but in levels just below the minimum that the state or federal government considers safe. It may be from a neighbor’s lawn, a hemlock tree or the water your neighbor drinks.

For ticket information, go to www.massachusetts.edu and click on UMass Night @THE POPS. Older tickets by phone at 617-287-5772 and have credit card information available. Questions? E-mail foundation@email.umassp.edu.
waste site or working in a dangerous environment, but when artificial nails are removed, mascara or acne cream is applied, or concrete is splashed on. Potentially toxic ingredients in these and other products may be absorbed through the skin or lungs, causing allergic reactions, infections or chronic inflammation.

A team of U Mass Lowell researchers has launched a study. “Beyond Your Body: Personal Care Product Use Among Adolescents,” to inventory the products and ingredients used by Lowell teens to better understand the scope of the issue.

A corps of researchers involving nursing; Assoc. Prof. Susan Houde, nursing; Maribel Ortiz, graduate student in nursing; and Prof. Susan Reece of nursing.

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Rec Center Has Been ‘Everything We Expected’

The new Campus Recreation Center celebrated its first anniversary in the fall, and Athletic Director Dana Skinner said, “It’s been everything we expected. It’s been more than we expected.”

“We projected a usage number of somewhere between 800 and 1,000 students a day, and that’s proven just about right. What we didn’t expect was some of the heavy-use areas we’re seeing — like the grass area in front of the Center where the students get together to toss Frisbees and throw footballs around.

“The maintenance staff guessest off about it sometimes — they worry that the grass will get worn down. I tell them, ‘Let ‘em wear it down all they want.’ That’s what it’s there for — for the kids to have a good time.’

There have been other surprises, too, he says. And some of them go a lot deeper than mangled grass.

“I think we’re seeing the beginnings of an overall culture shift — as physical activity has increased because of the Rec Center, it seems to have increased across the campus as a whole. The involvement in club and intramural sports, for instance, is way up from last year. There’s more soccer being played, more football being played, you’ve got rugby games happening on the field in back of Costello [Gym].

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“The center has just brought fitness and integrity and effectiveness.

CSCE Exceeds Revenue Goals Ahead of Schedule

In a slow economy where Boston University and Northeastern are seeing a 30 percent decline in continuing education enrollments, the Division of Continuing Studies and Corporate Education (CSCE) announced it has realized a $1.9 million in net revenue for FY03. The Chancellor asked CSCE to generate $1.5 million annually to be used for campus operating expenses beginning in 2006, one of three new revenue streams for the campus.

“We created an accelerated plan to get to the $1.5 million early,” says Dean Jacqueline M. O’neil. The plan had two parts — to increase net revenues and to decrease spending. CSCE increased the average enrollment per section while raising tuition and added more expensive courses such as online and graduate level offerings. A better area for increased revenue that has continued to grow is corporate training.

“We shifted the focus of the program. We diversified from information technology to offer more engineering technology and liberal arts courses,” says O’neil. “If we didn’t have the online program, we would have seen the same 30 percent decrease that BU and Northeastern are facing.”

To decrease spending, CSCE cut back on training for faculty; outsourced parts of online technologies and reduced radio and television advertising.

To offset costs further, the Division has sold seats in online training to other colleges and schools such as Roxbury Community College, Bunker Hill Community College, and the Eunice Shriver Center at U Mass Amherst.

CSCE has also received several grants from the Sloan Foundation.

Library’s Growing Databases Enhance Student Research Capabilities

The O’Leary Library introduced several new databases this year — along with two new online search tools — in its continuing effort to provide students with access to the broadest possible array of online research material and the tools to make their research more efficient, according to the library’s director, Patricia N. Oreae.

More than 14,000 journals are available in full-text through the more than 300 different databases that the library subscribes to. To provide access to these various databases in the most comprehensive and efficient manner, the library has acquired two new online services: LinkSource and EBSCO’s A-To-Z Service.

With LinkSource, researchers have access to a comprehensive menu of links related to their search result. The menu can direct the end user to the item itself or to other Web sites to find information related to the article or author.

A-To-Z service provides a single list that researchers can view to find and link to all of the titles available online in the library’s collection. In addition, patrons can search the list by title or subject.

“One of the most exciting new databases purchased this year for our library patrons is The New York Times historical database. This database contains complete copies of all issues of the newspaper from 1851 to 2000. The library will add another year annually as it becomes available through the vendor,” O’neale says.

Meanwhile, M.itch Shuldman, head of the Division of Media Services, is spearheading a campaign, with the support of Provost John Wooding, to obtain funding for a project that addresses the recognition that students need to develop information literacy skills in order to succeed during and after their college years.

The library proposes to create an Information Literacy Portal that brings together instruction and resources to help students develop their research and critical thinking skills.

A Gift to Asian Children and the Cause of a ‘Saintly Man’

Her 50th birthday was coming up. And the last thing she wanted was “a bunch of black candles,” or other turning-50 jokes. “(There’s this sense people have that, once you turn 50, it’s kind of downhill from there.)” She was looking for something different.

So when she read the story in Parade about the mountain climber who was trying to raise money to build schools in a remote region of central Asia — she had lived in Asia once briefly, and studied Japanese — it rang an instant, very powerful bell.

“He’d been a climber in Nepal, and I had been an au- pair in Kyoto. He spoke a little English, and I was trying to raise money to build schools in a remote region of Central Asia — she had lived in Asia once briefly, and studied Japanese — it rang an instant, very powerful bell.

“His name was Greg M ortensen,” says A. st. Prof. Judy Davidson.

“He’d been a climber in Nepal, and I had been an au- pair in Kyoto. He spoke a little English, and I was thinking about the mountains I had climbed as a kid. And the idea of building schools to teach kids about the world was just such an incredible idea. I was just floored.”

As she read the story, she decided to see if she could get her friends and family to contribute.

“I called up a few friends, and they really got into it. They started telling other people who they knew. It snowballed from there.”

And that’s exactly what happened.

Patricia Noreau

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I guess he wanted to give something back.

As it was in a part of the world — a Afghanist and northern Pakistan, the Mongolian steppes, among the remotest regions in the world — where one in three infants dies before its first birthday and the literacy rate, among males, is less than 6 percent; among women it is essentially zero. It is also a region where radical Islam is preached widely and hatred of the west is endemic; many of the Taliban, and some of Osama bin Laden’s al Qaeda, were indoctrinated in the madrassas here.

A gainst this background, Greg Mortenson, working practically alone, set out 10 years ago to fight ignorance — and the hate that grows like weeds in its wake. The result, by the time Judy Davidson read his story, was four women’s vocational centers, 28 primary schools, two school libraries, local scholarships for midwives and eye technicians — more than 8,200 students overall.

So Davidson, an assistant professor in the Graduate School of Education, decided that, instead of gifts or silly cards, she would ask her friends and family of Judy Davidson, raised $7,038.

There are “uncut diamonds,” says Paul Wormser, scattered here and there among the U Mass Lowell campus. A few of them have value; at least a few are “potentially very big.” But for one reason or another, he says, “Too many of them are pretty much unknown.”

It is Wormser’s job to change that. A U Mass Lowell’s new entrepreneuir-in-residence — succeeding Marty Anderer — it falls to him to see to it that the intellectual resources of the University are discovered, promoted and brought to the marketplace.

“If you’re a student or professor, and have an invention, a patent, any sort of resource that could be of practical use in day-to-day life, our role is to bring it to the attention of the commercial world.”

This is done through the mentorship of the Commercial Venture Development (CVD) arm of the University’s Research Foundation, based in 7,500 square feet of office space on the fourth floor of the Innovation district. The incubator is the chosen ones) have come the business plans, and from those plans (or at least the chosen ones) have come the workspace, participation and financial support of the CVD.

Wormser’s own company, Konarka Technologies, which took life from the idea of a professor in the polymer engineering lab — Dr. Sukant Tripathy, since deceased — was once among those start-ups.

When one company leaves, as Konarka did, another takes its place. Each of them, whatever its differences commercially, meets the same general description: a technology start-up with a need for seed money, a U Mass Lowell connection (through faculty, students or both) and a well-conceived business plan.

New Regional Development Team Focuses on Outreach and Research

“Lowell is the one institution in the country that is trying, consciously, to deal with these issues of production and sustainability,” said biologist and environmentalist Barry Commoner at the first CITA Conference on Sustainability in 1997. That mission is often articulated as “economic and social development that benefits the region.” For many years now, it has formed the work of a large cross-section of the faculty and staff at U Mass Lowell.

Now, Chancellor William T. Hogan wants to capture that campus-wide effort, shape it into a model that will work at other universities, and translate it into practices that will benefit workers and employers in the region. Dr. Edward March and Dr. Selma Botman, as special assistants to the Chancellor, have been asked to spearhead the effort, in close coordination with a model.”

Congressman Meehan Announces Riverwalk Extension Funding

For faculty and staff who walk the length of the Riverwalk for daily exercise, that workout will take a little longer in a few years, thanks to federal support for an extension of the Riverwalk beyond the Boott Mills. U.S. Rep. Marty Meehan, class of ’78, has announced an $800,000 appropriation in the federal budget for site preparation to extend the Riverwalk east from the current Boott Mills end, along the Merrimack River to M Mill St. The bridge will connect the University’s two campuses.

The walkway will include landscaping and interpretive signs. A bothered $400,000 is in the federal budget to build a walkway along the Western Canal from Dutton Street to Broadway.

U.S. Rep. Marty Meehan, center, class of ’78, recently joined Lowell City Manager John Cox, left, and Peter Aucella, assistant superintendent of the Lowell National Historical Park, to announce federal funding for an expansion of the Riverwalk.

Campus News

Dr. Judy Davidson

The benefit, attended by U Mass Lowell faculty and graduate students as well as friends and family of Judy Davidson, raised $7,038.

(A nyone wishing to support Mortenson’s effort may contact Davidson by e-mail at judith_davidson@uml.edu)

Prof. Selma Botman, special assistant to the Chancellor for regional economic and social development, and Dr. Edward March, special assistant to the Chancellor for regional industrial partnering, make up the university’s Office of Regional Development, located in Cumnock Hall.

12-member faculty task force.

“We’re facilitators,” says M arch, a former Lucent Technologies director. “We are animating the mission — showing its relevance and connecting it to the regional economy.”

If March is reaching out, Botman is reaching in — into the campus and into the research on regional development worldwide. “I want to build on the good work faculty have already done here and learn from them,” says Botman, a former vice president for academic affairs at the U Mass President’s office who, in addition to her regional development role, has joined the faculty in the Political Science Department. “This is a campus already connected to K through 12, to the arts, to working with small companies. We’re trying to understand it, strengthen it, and figure out the model.”

Comcast, 3M Among CSCE’s New Corporate Clients

The Division of Continuing Education and Corporate Studies (CSCE) has obtained four new corporate contracts, including agreements with Comcast and 3M. The contracts combined will bring in over $100,000 for the Division.

At Comcast, CSCE is offering customized associate’s and bachelor’s degrees in information technology through the Information Technology and Management department.

Employees of 3M in Methuen will receive customized certificates in electronics technology through the Engineering Technology Department. CSCE has provided training for Hewlett-Packard consistently over the
Campus News

last three years. This past fall, Prof. Stephen McCarty of plastics engineering conducted a seminar in plastic part design for injection molding at the Indigo Division of HP in Israel.

Rain Bird, a worldwide irrigation manufacturer, also worked with the Plastics Engineering Department. Prof. Robert Dunn gave an injection molding seminar to Rain Bird engineers, production supervisors, managers and quality assurance personnel from their Arizona and California facilities.

Solar-Dried Coffee Has Environmental Perks

If you had a cup of coffee this morning, you are most likely responsible for clearing a patch of rainforest about the size of your coffee mug. That’s the amount of forest, in Latin America at least, that is cleared for the firewood necessary to dry the beans required for a cup of coffee.

If, however, you bought a cup of Café Solar® in one of the UMass Lowell dining halls, you probably had no impact on the rainforest at all. Café Solar is a specialty coffee produced using a solar technology developed by the Lowell-based Mesoamerica Development Institute (MDI). MDI’s founders, UMass Lowell engineering graduates Richard Trubey ’85 and Raul Raudales ’93 have developed a solar-powered, coffee-drying system that uses renewable energy technology, eliminating the need for the massive blast-furnace dryers typically used. The result is a high quality coffee that is both environmentally friendly and financially viable for farmers and consumers.

While the initial investment in the Solar Drying System is high relative to common alternatives, about $250,000 per unit, the systems use one-tenth the electricity of conventional dryers and significantly reduce labor costs.

Raudales and Trubey worked with the US-based coffee company Taza, to market the product to consumers. Taza’s Franklin-based company now roasts and markets Café Solar internationally.

MDI will be dedicating a portion of the sales to fund graduate student research in the areas of trade, technology and the environment. The institute has previously provided funds for students of Prof. John Duffy, mechanical engineering, to travel to Latin America.

He Rode Perilous Trails To Bring Power and Water To Peruvian Villages

Last year, before the group led by UMass Lowell Mechanical Engineering Prof. John Duffy installed its solar-powered pump, the people of the small village of Huayash in coastal Peru were walking their drinking water a half-mile uphill in buckets from the Culebras River. And even after that, until Hector Valdes and his group arrived to help them, the water was so contaminated with pathogens they had to boil it before it was safe enough to drink.

Now more, now thanks to the solar-powered pumping system installed under Prof. Duffy’s direction last summer, and the water-filtration system Valdes and others completed in January — again, under Duffy’s direction — Huayash’s villagers have pure water from a common, nearby tank.

Valdes, a 1987 UMass Lowell graduate with a degree in mechanical engineering, and a project manager in the Office of Economic Development, was one of six University staff and students to accompany Duffy on what was his 12th trip to central Peru.

During his two weeks in Huayash, most of his time was spent helping install and service the village’s water filtration system. But there were other duties as well — such as the two-hour trip he took by horseback along mountain ridges to the tiny village of Pilco, to help install a laptop at the school (“You’re leaning into the mountain, trying not to look down, watching the hooves of the horse in front of you — thinking, ‘One slip here, and it’s a long way down.’”)

And the time he went to Mallas to service the school’s solar cell system, then looked around to find 50 or 60 villagers trailing him, roughly half of them hanging off the top and sides of a Nissan pick-up driven by the mayor.

“People, they were always like that — curious, always looking around, always asking questions. They’d be asking after people they’d seen [on previous trips], ‘Where is this guy or that guy? Is he ever coming back? I am coming back?’

If he does go back, says Hector, he’d like it to be as a guide or mentor for the UM as Lowell chapter of the Society for Hispanic Professional Engineers, to which he serves as advisor.

“With a great thing that would be useful — they’re being trained as engineers — and to be able to use their training like that, getting pure drinking water to people, bringing lights to schools, connecting clinics to the outside world. That’s what it’s all about, I think.”

Three UMass Lowell Faculty were honored with Researcher of the Year awards — an unprecedented three-way tie — at the annual Excellence in Research Day luncheon.

Provost John Wooding declined to break the tie, choosing instead to recognize the achievements of Prof. Thomas Shea, Susan Braunhut and Bodo Reinisch.

Shea, professor of biological sciences, pursues research on cytokinetic function and nervous system development as well as Alzheimer’s disease and amyotrophic lateral sclerosis. He is particularly interested in the metabolic effects of oxidative stress and has been developing anti-oxidant and pharma-ceutical formulations that delay the progression of cognitive decline.

Braunhut, professor of biological sciences, has three patents pending and is co-inventor of the Smart Bandage™ with Prof. Kenneth Marc of the Chemistry Department. Her research focuses on the rapid diagnosis of cancer and the risk of metastasis, along with testing of new approaches to cancer treatment and the search for new therapies that will shut down blood supply to tumors.

Reinisch, professor of environmental, earth and atmospheric sciences, established the first research center at the University in 1973. Using advanced radio technology, he has conducted research on the structure and dynamics of the ionosphere — leading to better long-distance radio communication and over-the-horizon radar systems. His team then used the technology in a NASA satellite to measure the plasma of the magneto-sphere, yielding data for more than 30 papers to date.

UMass Lowell alumni, from left, Raul Raudales ’93, Richard Trubey ’85, and Mark Howell ’93 set up a display in the Southwick dining hall for Café Solar, an environmentally-friendly coffee they’re working together to market. Aramark director Chris Mardi, right, says the coffee will be available for purchase in Southwick, McGauvran and Olney halls.

UMass Lowell Project Manager Hector Valdes, right, in Huayash, with the rest of his team, from left: Jesus Solfi, a Peruvian native who has been accepted by UMass Lowell as a graduate student this fall; and Darcy Neuburger and Steven Glidewell, both UMass Lowell students. Together, the group would complete the water-filtration project in the village of Huayash that would make pure drinking water a reality for the villagers.

Excellence in Research

Three UMass Lowell faculty were honored with Researcher of the Year awards in an unusual three-way tie. Selected by a committee of their peers, were, from left, Prof. Thomas Shea and Susan Braunhut of biological sciences, and Bodo Reinisch of environmental, earth and atmospheric sciences.
When he was 9 years old he began playing the guitar. "I had an older friend who took lessons and he inspired me. I wanted to do the same thing," Jim Mitchell says today.

Later, as a student at Marlboro High School, he played in bands that performed at school dances and weddings and proms. But he did more than play guitar. He started operating the PA systems "to make sure the band sounded right."

Then he began working on sound systems for other bands and, in his senior year, he'd go into studios in Boston with them when they cut demos. "I fell in love with the process. I wanted to do that," he says. "I wanted to focus on recording."

So it was that in the early 1980s, Mitchell enrolled in the fledgling Sound Recording Technology (SRT) program at the University of Lowell and came under the tutelage of a "brilliant guy" named Will Moylan.

Mitchell says he marveled at Prof. Moylan's "concept of sound and how it's created and reproduced in the recording process."

That experience, plus the "really tough" academic program that included almost as many technology courses as music courses, paid dividends.

Now an independent producer and engineer in California, the 41-year-old Mitchell has worked on movie scores (Naked Gun, Inner Space, Gorillas in the Mist); television shows ("Dynasty, Cheers", "Star Trek - the Next Generation"); has co-produced and engineered "almost everything" for Guns and Roses; and has built recording facilities for Duff McKagan and Slash of G&R, and for the group Black Crows.

Most recently he engineered four of the songs on Warren Zevon's album, The Wind, which won two Grammies.

Mitchell's success wouldn't have come as any surprise to Moylan, who came to the University in 1983 to direct the newly founded SRT program. "My first job," he says, "was to get the program to the point where it could be approved by the National Association of Schools of Music (NASM). I had to reshape the curriculum so that it was accredited, and also to reach out to other departments — like physics, electrical engineering and math — to make sure SRT had their support."

"At the same time, we had to develop recording studios. We had some equipment but none installed. I was given a room and a certain amount of equipment, and I enlisted a group of students to install the first studio."

One of those students was Bill Carman, who says, "When we built one of the first real recording studios here, I was around and helped out during the summer for no pay — just to learn from the people who were doing it."

He ended up enrolling in engineering as a dual major. "I liked the technology behind some of the things happening in music and realized that I was honing art and technology," says Moylan, who came to the University in 1983 to direct the newly founded SRT program.

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Carman had arrived on campus in 1977 as a music education major. But when Proposition 2-1/2 virtually eliminated arts education in public schools two years later, the department's enrollment dropped from about 650 students (including graduates) to about 200.

"I changed my degree to performance from education," Carman says, "and then one day it occurred to me to find out what else was out there."

He ended up enrolling in engineering as a dual major.

"I liked the technology behind some of the things happening in music and realized that I was honing..."
in on an audio engineering degree, although that degree didn’t exist at the time. I just kind of did it."

With more than 220 credits in two majors, Carman received his degree in 1984 after seven years of study. He was the University’s first SRT graduate.

After graduation, he worked for a company that built sound systems, while working part-time at the University, maintaining the SRT facilities. In the fall of 1987, he returned to the campus full-time. Today, as associate director of SRT facilities, he oversees “everything to do with the facilities here — management, maintenance and development.”

In the beginning, says Will Moylan, there were some major hurdles.

“A lot of it had to do with the faculty’s understanding and sensitivity regarding the way in which technol- ogy is fit in a school of music. That concept came easily to some but was a disconnect for others. But I’m happy to say that, by and large, they accept- ed SRT as a central program in the department.”

Also, SRT was seen as a way to restore the school’s enrollment following the devastating effects of Proposition 2-1/2.

“Not many who thought they were SRT majors when I came here actually graduated,” he says. “I shaped a curriculum that was going to provide students with a strong musical back- ground and an understanding of science and engineering, and a math background that would give them the ability to use technology as a musical instrument. We look at the recording process as a way to create and shape art.”

The reason for the emphasis on math and engineering, Moylan says, is to assure that graduates will be able to keep pace with change.

“I’m more concerned about people being able to re-educate themselves when they’re 30 and all the technol- ogy they learned at 22 is obsolete. That’s how you shape someone’s future.”

The program was designed to make it possible for graduates to distinguish themselves on the national level in the recording industry. "From the beginning,” Moylan explains, “the program had a national vision and, because of that our graduates have made a terrific impact. They’ve taken on some of the strongest positions here in the region and in the recording industry across many sectors, nationally and internationally.”

One such graduate is Keith Salvucci ’91.

The Braintree native says he chose Lowell because of its value and reputation.

“It wasn’t a party school. It was serious and you could go there and get a good education. Unlike some other music schools that train people in programs that range from six weeks to four years, he says.

“But programs that have the intense focus on the breadth and depth of recording that we require are rare. We’ve seen at the best or one of the two best in the country,” he says.

The enrollment of SRT majors ranges from 120 to 140, and about two dozen graduate each year.

“The number of graduates — 22 to 25 — is really the maximum we can provide a quality education for. We haven’t had to impose a cap on enrollment because attrition takes care of class size. It’s a very rigorous program that demands many different skills.”

A very rigorous program that provides a quality education requires a top-flight faculty. That, according to Moylan, is exactly what SRT has.

“Of full-time faculty members are respected teachers, published authors and national figures in audio educa- tion,” he says. “They remain current with audio techniques and produc- tion techniques, and often assume production projects of significant scope and quality.

“A number of our students have been very strong adjunct faculty — people who spe- cialize in very defined segments of industry. Many come here to teach just one course because they are passionate about what they do.

In addition to engineering and other required course work, students must play an instrument or sing with proficiency for six semesters.

This past school year, the program opened its new Critical Listening and Recording Studio in Durgin Hall. Ten years in development, this $500,000 facility enables students to hear the idiosyncrasies in sound without the distortion usually associated with sound reproduction equipment. In recording, students are able to capture the exact attributes of a particular instrument or voice.

Sound reproduction in the room is “nearly perfect in its accuracy,” says Moylan.

In addition to serving SRT students, the new studio also will be a central fixture in the department’s master’s degree in music program that will be launched in the fall of 2005.

Moylan says that with the new room he also hopes to create partner- ships with some major production companies and manufacturers to conduct significant research related to production techniques, and to carry out some fundamental research in the use of technologies for artistic expression.

This spring marks the 20th anniversary of the SRT program’s first graduation. It was a small cere- mony. Bill Carman was the sole member of the Class of 1984. In the two decades since then, the program has placed some 400 alums in the music and recording industry across the country.

“Professionals in the industry contact us all the time,” Moylan says. “Our students are highly sought after as interns. A number of us get a lot of calls from companies looking for employees.”

It appears highly unlikely that the demand for SRT graduates will diminish in the future, either.

“More music is heard today than ever before in the history of civilization and almost all of it is recorded. The recording process shapes and changes music and alters the sound of performance,” Moylan says.

“His schools should be places where we educate people to make recordings. That’s the difference between music schools of the 21st century and those of another era.”
Answering Prayers for the Acoustically Challenged

A sk any architect and you’ll get the same answer: Trinity Church in Boston is a masterpiece of American architecture.

But ask an audio engineer about the Copley Square landmark and you may get an entirely different reaction.

“It’s a big, cavernous space with rambling beams and granite outcroppings,” says James Berlo ’87. “Architecturally, it’s breathtaking; acoustically, it’s a nightmare.”

Berlo works for Shanahan Sound and Electronics, Inc. of Lowell as an audio/video engineer, along with fellow Sound Recording Technolo gy (SRT) alumni Shane Riley ’01 and Chris O’Brien ’01. Last year, in conjunction with a $42 million renovation, the team was hired to install an entirely new audio system at Trinity Church. The project is a massive overhaul of both sight and sound.

“It was clear from the get-go that we’d need to give this place a complete makeover,” says Berlo. “But that’s what we do: we solve sonic puzzles.”

Together, the trio has supplied audio therapy for the offices of Monster.com and Cheers in Faneuil Hall. But their specialty is historic churches, where keeping up appearances is crucial.

“One of the biggest challenges with Trinity was to preserve the artistic integrity of such a famous landmark,” explains Shane Riley, who joined Shanahan after graduating from the SRT program. “For that, we designed an innovative audio system that was highly-functional, yet camouflaged.”

During the design phase, the team knew it needed to keep all sound away from reflective surfaces. In large rooms like the sanctuary at Trinity, sound bounces off walls and ceilings, creating acoustical snags, like “dead spots” or “flutter echoes.” To remedy this, the techs used sound-shaping speakers.

“We chose Intellivox speakers because they give us the ability to control the length and direction of the sonic beam, using software and a laptop. These speakers are hung from the ceiling, yet we can redirect the audio characteristics from the ground,” explains Riley. “I that’s what I love about this job: the technology is amazing.”

Equally challenging was that Trinity is a musical church. Every year, the Trinity Choir, a group that records professionally and tours extensively, tapes a number of live performances there.

“It was crucial we devise the best live recording scheme,” Berlo says. “We decided to hang a number of ambient microphones from the ceiling, which will capture the crowd of choral voices as well as the natural reverber of a live concert.”

The Trinity Church audio under- taking is an enormous two-year project, and the trio of engineers from Shanahan Sound is committed to giving parishioners what they call “a multi-sensory worship experience.”

“When we’re finished, Trinity will have this killer state-of-the-art audio system,” says O’Brien. “Our goal is for the quality of the sound to rival the spirit of the setting.”

A trio of SRT alums — from left, Shane Riley, Chris O’Brien and James Berlo, of Shanahan Sound and Electronics — have designed and are installing a “heavenly” sound system in Boston’s historic Trinity Church.

A trio of SRT alums — from left, Shane Riley, Chris O’Brien and James Berlo, of Shanahan Sound and Electronics — have designed and are installing a “heavenly” sound system in Boston’s historic Trinity Church.
It was the spring of 1979, a time of revival for the city. The University of Lowell was three years old, the National Park was brand new and thriving. Wang Labs was opening its national headquarters; a native son, Paul Tsongas, had just been elected U.S. Senator.

That was the spring Nancy Donahue and some friends had the thought: “Wouldn’t it be great to have a theatre in town?”

So they formed a board — all local people, including John Duff, then president of U Lowell — drew up a plan and a budget and began raising money. “We walked the streets, we went to the banks, we made phone calls to friends, we did whatever we could,” says Nancy Donahue today. “And in September we opened. Our first production was Dracula."

So was born the Merrimack Repertory Theatre — “a little gem of a theatre,” as Nancy still likes to say. Its budget that first year was $87,000. That covered the sets, the actors, the costumes, an art director and managing director — but not the rent, which was free, courtesy of U Lowell’s donation of space in Mahoney Hall.

“Everybody did everything,” Nancy remembers. “He director shoveled walks, the board members sold tickets — whatever needed doing, we did.”

The MRT’s first holiday offering was Romeo and Juliet. It’s been a quarter-century since then — and, as the saying goes, “The more things change, the more they stay the same.” The MRT’s “Producing art” in Lowell is much of what Nancy Donahue has been about these past 25 years. Even before the MRT, there was the U Lowell Foundation — established by the University’s president, John Duff, to enhance the city’s cultural image — which, thanks in large part to Nancy’s efforts, raised the funds that made Durgin Hall a New England entertainment mecca. Isaac Stern, Yo Yo Ma, Marcell Maceaux and the Moxow Pops were only some of the names who performed there in the late ’70s and early ’80s.

“We just found out the names of their agents, called them up and got them here,” recalls Brown today.) The two talked, among other things, about the Dventures in M usic (AIM) series Nancy had started as part of her work with the U Lowell Foundation. Partly as a result of their talks, Brown resolved to launch the Discovery Series for families — “as a way to continue the tradition.” Nancy Donahue, not only endorsed the idea and supported it financially; she volunteered her time as an usher.

“The name Donahue between them, it is safe to say, have donated more time, generated more energy, raised more dollars and sat on more boards than perhaps any two people in the city’s recent history.”

“Nancy and Dick Donahue have been invaluable as benefactors to the arts, both for the University and the region as a whole.” — William T. Hogan

Chancellor
there’s no mistaking John Wooding’s roots. He sounds like those working-class Englishmen toting electric guitars who invaded American radio-land around 1964. He’s a bit younger than the rock-’n’-rollers; he was 11 when his older brother took him to see a small music show featuring a double-bill with The Beatles and The Rolling Stones, just ing a double-bill with The Beatles, justing a double-bill with The Beatles, just and The Rolling Stones, just before those bands became phenomenally famous. Born in the boots-and-shoes city of Northampton, UMass Lowell’s new Provost says Lowell reminds him of his hometown, with its red-brick factories and industrial heritage. Like Lowell, Northampton “had its insides ripped out” when the core industry shut down and moved the jobs to places where labor costs less. Both places also have regained their footing and are moving forward.

A son of the founders and the first chair of the Department of Regional Economic and Social Development (RESD), Wooding helped create one of the first interdisciplinary departments on campus. Early on, the faculty, students, and staff of RESD identified ways to apply their knowledge and disciplines to the principles inherent in UMass Lowell’s mission to support sustainable regional development. He brings his deep understanding of the mission as well as his faculty-based insights to his new job.

“I’m enormously excited by the opportunity I’ve been given and consider it a profound privilege to be the provost,” says Wooding. The Provost’s Office is responsible for numerous campus activities, from faculty and libraries to student services and the University police. “In the past ten years, the University has gained enormous strength as a result of the heightened engagement between faculty and staff, as well as between the University and the community as a whole.”

A graduate of the London School of Economics and Political Science, Cornell University, and Brandeis University, Wooding has been at Lowell since 1987. He was a trainer and curriculum developer on the hazardous waste worker-training project when it started in the Department of Work Environment. He taught political science for more than ten years, served on countless committees, and, as mentioned above, helped organize RESD.

The co-author of Work, Health and Environment (1997) and The Point of Production (1999), Wooding also has written and co-authored numerous articles about occupational health and safety regulations and the environment. He is a contributing author of A Proactive to Sustainable Development. The Public University in the Regional Economy (2001) and Globalization, Universities and Issues of Sustainable Development (2002). He serves on the editorial boards of several publications and co-edits a book series with Prof. Emeritus Charles Levenstein. Wooding lives in M Edford with his wife, Joan Parker, whom he has known since his days at Cornell.

Discussing his new role, he says, “A university is about an education, and education is about creating tolerant, thoughtful, and reflective human beings who understand they can’t live alone in the world. From the moment we wake up to the time we go to bed, we depend on other people.

“We do a good job of providing our students with a set of skills that will allow them to start a career, make a living, and lead decent lives. “Part of our goal is to provide access to knowledge that encourages students to think of themselves as part of society,” he adds, “with responsibilities, and all the joy and excitement that comes along with that sense of belonging to something larger.”

“The only way to have a vibrant social system that represents everyone is to have members of society who are thoughtful and willing to tolerate not always getting an immediate solution to a problem,” he says. “We should teach our students not how to get simple answers to complex problems, but rather how and where to find real answers to those problems.”

A skeleton to define the nature of the challenge ahead, Wooding cites four priorities. The first, he says, will be “to build on the interdisciplinary research and teaching that has developed here over the past ten years.”

The second will be a function of the first: to strengthen the basic research environment that exists already, and expand the means through which it’s generated and the way the bridges are built between disciplines and the various centers and institutes.

The third focus will be to “maintain and improve our engagement with the community throughout the Merrimack Valley in both the social and economic areas,” says Wooding. There are still-untapped lines of communication that need to be explored and developed, he explains, while those that exist must be nurtured.

“A teachers, colleagues, and members of the community ourself,” he says, “We need to build on all four of these areas.”

The larger question here,” he continues, “the question that goes to the core of our role in the region, is this — What is the broadest interpretation of sustainability, concerning both UMass Lowell and the region, that can meaningfully be applied?”

The final priority, Wooding says, may be the most basic: it is to “maintain our commitment to providing the best possible access to public higher education and to continue the highest quality research and teaching.

“We need to build on all four of these areas,” he says, “both in our daily campus life and our undergraduate curriculum, in an effort to engage both faculty and staff in developing the persona of the University as one that will be attractive to potential students and gain national attention for the extraordinary work going on at Lowell.”

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Ludwig Rebenfeld '51 Has Woven a Successful Career in Textiles and Hair

By Jack McDonough

T
he Textile Research Institute (TRI) in Princeton, N.J., was heavy into the study of wool during the 1970s when Ludwig Rebenfeld ’51 was its president and di rector. But that work dropped off sharply when both government and industry cut back significantly on funded research.

Given that situation, Rebenfeld had an idea. Why not, he thought, change direction slightly and concentrate on the study of hair?

“There’s a great deal of interest in the hair research field,” Rebenfeld says, “especially from the point of view of chemical companies that supply the compounds used in hair care. The population of the world spends a tremendous amount of money — billions of dollars — on the treatment of hair.”

Problems arise, he says, because many treatments are potentially very damaging to hair.

“The chemical companies must constantly formulate and reformulate treatments to minimize any deleterious effects. So the companies are very interested in research in that field to maximize their products’ performance and minimize any negative consequences.”

TRI is supported by annual fees paid by member companies — those dealing primarily in chemical products, paper, textile, fiber and other materials. The roster includes companies such as Johnson & Johnson, A von, Procter & Gamble, and H enkel.

Their membership gives them the right to participate in projects,” Rebenfeld says, “and to have projects undertaken for them on an individual basis.”

Rebenfeld served as a lecturer with the range of Professor in Chemical Engineering at Princeton from 1965 to 1998. He also is president emeritus of TRI and edits the monthly Textile Research Journal.

On the occasion of his retirement, one of the buildings on TRI’s 18-acre property was named in his honor.

While he doesn’t work at it full-time, he says the editing job is “a pretty heavy load.” A matrix for the journal comes from research groups all over the world.

In 1990, Rebenfeld attended commen cements at the University of Lowell, at which time he received a Distinguished Alumnus Award. He returned to the campus in 2001 for his class’s 50th anniversary.

“It was good to see some old friends, and the campus is certainly different from what I remembered in my undergraduate days,” he says.

Rebenfeld served as co-advisor to the River Ambassador program. “It’s a chance for the students to learn about topics they wouldn’t necessarily have the chance to learn about in school,” says the CFWC’s Sokny Long.

Another recent development has been the creation of a UMass Lowell scholarship, dedicated to the memory of Savoeun Chao, a River Ambassador killed in a car accident, that will be given to a local student with a history of community service.

“Such a scholarship,” Chao, says Long, “is a good thing for the students to learn about topics they wouldn’t necessarily have the chance to learn about in school.”

By Geoffrey Douglas

River Ambassadors: Bringing Teens Closer to Their World

I began seven years ago, in August of 1997, with a hundred or so high school student-volunteers from Lowell helping out at the city’s annual Southeast Asian Water Festival. They enjoyed themselves, apparently. In any case, they wanted to do more.

A nd so they have. Today, under the guidance of the UMass Lowell Center for Family, Work and Community (CFWC), there is almost nothing they don’t do. If it takes place anywhere near Lowell and involves the environment — water quality, trash clean-up, composting, recycling — the River Ambassadors are likely to be there.

There have been 300 of them, more or less, over the past seven years. Lowell teens, most of southeast Asian origin, who have formed an alliance with the environment, with the city and with each other, to raise awareness of the land, the water and the air. In the process, say those involved, they have formed a connection to the world community, as well as to the traditions of the cultures from which they come.

“This is a chance for the students to learn about topics they wouldn’t necessarily have the chance to learn about in school,” says the CFWC’s Sokny Long, a co-advisor to the River Ambassador program.

A nd it’s been a chance to form a lot of great partnerships—with the National Park, for instance, and with the University — that just wouldn’t have happened otherwise.”

Long’s position, like that of her colleague at TRI, is owed to what has been his experience since the inception seven years ago, is funded through a grant from the National Institute of Environ mental Health Sciences (NIEHS). Over the course of the seven years that Chao has been involved, the River Ambassadors’ initiatives, which began with the ‘97 Water Festival, have widened to include a range of activities as broad as the environment itself. There have been river clean-ups, environmental camps, neighborhood revitalization projects, a “Power of Youth” talent show, asthma puppet instruction forums, environmental-awareness presentations, a public-access TV show, and — on Earth Day (April 22nd) this year — a youth-multi-media show highlighting everything from the hazards of smoking to the dangers of mercury in fish. There was a live on-stage re-enactment of the catastrophe at Love Canal; at last year’s Lowell Folk Festival, The River A mbassadors joined a program of recycling and composting the trash.

“This is a chance for the students to learn about topics they wouldn’t necessarily have the chance to learn about in school.” — Sokny Long
Corporate Education, 2004: ‘A Whole New Way of Partnering’  

By Geoffrey Douglas

G illette, Hewlett-Packard, Deli Computer, Comcast, 3M, Honda, Lucent, Raytheon, Medtronic. It’s each worth billions. Most are among the Fortune 500. All are industry leaders. At least two — Lucent and Hewlett Packard — have been run by a woman CEO. But there is another link as well. A II of these companies, and more than two dozen others over the course of the last two years, sent their employees to be trained by U M a s Lowell faculty.

A II told, more than 1,600 personnel were enrolled in just under 100 separate U M a s Lowell courses. Classes were held throughout New England, the nation and the world — from Comcast in Chelms- ford to Dell Computer in Texas and Hewlett-Packard in Israel, Mexico, Singapore and Spain.

And for the University, this has been a rich revenue source: nearly three-quarters of a million dollars in the academic year that ended last June.

“We’ve always had a corporate outreach mission,” says Catherine Kendrick, director of marketing development for the Division of Continuing Studies and Corporate Education (CSCE). “But never more than now. We’re hearing from more and more companies with every month that goes by.”

Up to now, most of the need has been in engineering and IT, with faculty from plastics engineering, mathematics and engineering technology the most commonly called upon. But computer science has also been involved, as has the Art Department. A nd under CSCE’s current initiatives is the expansion of training into biotechnology, pharmaceuticals and medical devices. The “softer” fields of grant writing and leadership management, says Kendrick, have also drawn some recent calls.

“Workplace training is an emerging trend. Our faculty are a rich resource, both for the University and for the region as a whole. This can only continue to grow.”

But there’s more to it than simply workplace training. Projects undertaken jointly by the University and some of the region’s larger corporations have produced a wider sense of the U M a s Lowell mission, as well as something approaching a genuine synergy. Wilmington’s A nalog Devices, for example, is a company that drew much of its early success from a joint economic partnership with the University’s Research Foundation. Then later entered into an agreement with it for delivery of a complete onsite portable lab facility. In late 2003, U M a s Lowell was awarded a contract to deliver 12 onsite manufacturing modules to OFS Fitel in Sturbridge, and another to develop a customized Oracle program for the B & E Corporation in New Hampshire.

And the University, meanwhile, continues to develop its presence at corporate education fairs at Fidelity, Hewlett-Packard and Lucent Technologies — as well as to widen its presence as a corporate educator. Not long ago, it submitted a proposal to provide educational services, which would include a customized-degree program, to 55,000 Comcast employees.

“The University is approaching these companies with a whole new way of partnering,” says Jacqueline Moloney, dean of Continuing Studies and Corporate Education. “Corporate education is one only ingredient in this. There are joint research opportunities, as well as internships and other dimensions of the educational pipeline.

“The idea is to present the University as more of a full-service institution — to open the eyes of area businesses to the expertise we have to offer here.”

To access additional, detailed information and application materials, visit our Web pages: www.uml.edu/grad

UMASS LOWELL MAGAZINE SPRING 2004
Buoyed by the success of its fall teams, UMass Lowell tied for fifth place among 105 NCAA Div. II colleges in the United States Sports Academy Directors’ Cup standings.

Other New England schools ranked by the Academy were Franklin Pierce at 21 and Stonehill at 23. This year’s ranking was the highest ever for the River Hawks, who finished last year at No. 37.

“The last year and a half have been extraordinary,” says Athletics Director Dana Skinner. “We have so many coaches and administrators who work so hard and have some real talent. They bring a great deal of energy and passion with them to work every day and they pass that on to the student-athletes.”

Five of the UML fall sports teams earned berths in post-season NCAA play. They were men’s soccer, women’s cross-country, field hockey, volleyball and men’s cross-country.

The men’s soccer team, under coach Ted Priestly, reached the quarterfinal round in its first-ever NCAA tournament appearance. The River Hawks won the New England regional title by defeating Southern Connecticut, 1-0, before falling to Dowling, 2-0.

In regular season play, the team won the Northeast 10 Conference title, finishing with a 15-5 record.

It was expected that the volleyball team, which had graduated its top three players from the 2002-03 season, would endure a rebuilding year. Instead, Coach Karen McNulty’s squad posted a surprising 20-10 record and placed second in the NEC tournament. The team bowed to Merrimack, 3-2, in the first round.

Field Hockey

Displaying their NCAA Tournament Division II runner-up field hockey trophy are, from left, senior goaliekeeper Patricia Mendiza, Coach Shannon Hlebichuk, senior forward Laura Petros, , and senior midfielder Martha Marsden. The women captured the Northeast-10 Conference regular season title and defeated Bryant College, 1-0, in the NCAA Tournament first round before falling to national champion Bloomsburg University.

Five River Hawk Fall Sports Teams Compete in Post-Season Play

Campus Athletics

Campus Athletics

Cross Country

The UMass Lowell men’s and women’s cross-country teams each advanced to the NCAA Championship in Cary, N.C., in November. The men’s team captured its fourth straight NCAA Northeast Region title and advanced to the NCAA Championship meet for the fourth straight year. The River Hawks finished 10th nationally.

The UML women enjoyed their first appearance in the NCAA Championship after placing second at the regional championship at Franklin Park in Boston.

The River Hawks men finished 10th in the first round.

The men’s cross-country team won the NE-10 championship, its third in four years, and then captured its fourth consecutive NCAA Div. II championship, finishing 10th at the national level.

Gary Gardiner, who coaches both the men and women’s cross-country teams, led the women to their first-ever appearance in the NCAA championship after placing second to Stonehill at the NCAA regionals. At the nationals, in Cary, N.C., the women finished 22nd out of 24 teams, while fielding a team that included four sophomores and a freshman.

Coach Shannon Hlebichuk’s field hockey team posted a 15-8 record, defeated Bryant, 2-1, for the NE-10 championship and then blanked the Bulldogs, 1-0, in the NCAA semi-final. The club lost the final match, 4-1, to eight-time champion Bloomsburg University.

The UMass Lowell men’s soccer team captured the NCAA New England Region Championship in its first-ever tournament appearance. The River Hawks also won the Northeast-10 Tournament championship over Southern Connecticut (3-2) in New Haven, and later advanced to the NCAA Tournament quarterfinal before falling 2-0 to Dowling College.

Volleyball

Senior Andrea Turner, left, and junior Lauren DuBois of the UMass Lowell volleyball team, led the UMass Lowell volleyball team to its third straight appearance in the NCAA Tournament in the last four years. The River Hawks finished second in the Northeast-10 Conference regular season for the second straight year.

Volleyball

Senior Nate Jenkins approaches the finish line at the NCAA Northeast Regional Cross-Country Championship last fall at Franklin Park in Boston. Jenkins placed first and was named the NCAA Northeast Region Runner of the Year.

Volleyball

Nate Jenkins

Senior Nate Jenkins approaches the finish line at the NCAA Northeast Regional Cross-Country Championship last fall at Franklin Park in Boston. Jenkins placed first and was named the NCAA Northeast Region Runner of the Year.

Nate Jenkins

Spring 2004

Spring 2004
1.) The Advisory Board of the College of Fine Arts, Humanities and Social Sciences held an auction to benefit the Dean’s Scholarship Fund, followed by a performance of the Irish Tenors at Lowell Memorial Auditorium. Board members, from left, are Frank Talty ’78, Carol Higgins O’Brien ’82, Judith Post ’78, Dean Charles Carroll and Jack Ford ’69.

2.) Diane Earl, director of Programs and Alumni Services, visited with John Swymer ’85 while on a family trip to Denmark.

3.) The Kaiser Family, Ken ’83, Colleen ’81 and their children cheered on the River Hawks during a home game at the Tsongas Arena.

4.) More than 500 alumni, family and friends gathered at the Tsongas Arena for the annual Alumni Hockey Night on Feb. 28 when the River Hawks hosted the Maine Black Bears. Among them were, from left, UML friend Bob Gosselin, Ron Boudreau ’75, Susan Pasquale ’75, Pam Loring, Dan Loring ’92 and Pasqua Leary ’78.

5.) The third annual “Vine and Dine” hosted by the Alumni Relations Council was held at Agresti’s Cucina Italiana in Westford. With Master of Ceremonies Richard Rourke, left, are Jean Reslow, Lisa Thurston ’96, ’97 and event chair Garrett Thurston ’90, ’95.

6.) Also enjoying the evening of fine wine and Italian cuisine at Agresti’s are, from left, Carolyn Lumenello ’63, Russ Bedell ’81, Mary Bedell ’81, and UML friends Bob and Regina Provencher.

7.) Chancellor William T. Hogan and University President Jack Wilson recently greeted alumni at a reception at Donald Trump’s Mar-a-Lago Club in Palm Beach, hosted by Joe Day ’66 and his wife Diana. This was a great opportunity for alumni in Florida to hear Chancellor Hogan’s update on the campus and President Wilson’s vision for the University. It also gave alumni a chance to connect and network with one another. From left, are Chancellor Hogan, Diana Day, President Wilson, Charlie Hoff ’66, Joe Day ’66, and Vice Chancellor Fred Speruni.

8.) Gathered at the Mar-a-Lago Club for the alumni reception are, seated from left, Gloria and Don LaTorre ’59, R. Carl Friedman ’59 and Muriel Friedman, and, standing, Ginger Tamarin and Dean of Sciences Bob Tamarin.

9.) The Mar-a-Lago Club event participants included, from left, UML friend Bill Collins, Marie Collins O’Connor ’52, Vito Selvaggio ‘52, Maria Selvaggio Maughan ’57 and Vasiliki Selvaggio ’53.

10.) Music alumni gathered at the annual alumni reception held on March 11 during the Mass Music Educators Conference at the Sheraton Ferncroft in Danvers.
34 UMASS LOWELL MAGAZINE SPRING 2004

1934 Nina (Wocciolunas) Fresbrough will be pleased to announce the birth of her new granddaughter due in May.

1936 Ethel Wood Fitzpatrick, left, and Helen Van Heusen, classmates in the State Teacher’s College, returned to UMass Lowell for their 65th reunion.

1953 D on Finnegan recently published a book entitled The Pact. It chronicles the lives of three Irish youths, depicting their deeds and exploits in a manner to pique the reader deeply involved as two determined, dedicated detectives search out the truths and answers.

1970 Royal Reynolds has retired as a professional engineer from the Suffolk County Department of Health in New York, where he regulated the construction of all water supplies and sewage disposal facilities in the county for over 30 years. However, Royal will continue his seasonal employment as an ocean certified lifeguard at Robert Moses State Park, a position he has held for the last 37 years.

1975 Christine M. Horne is the assistant director to the head of the Avida dorms Megan Chapel A in the center at St. Anselm College in Manchester, N.H. She lives in Hooksett, N.H., with her husband, Michael. They have returned from a tour of duty with the Air Force in Afghanistan and their daughter, Caryl, a graduate of Gordon College in Wenham, is teaching in Hooksett.

1976 James B. McGrath has been re-elected to the board of directors for the Purchasing Management Association of Boston (PMA B) for the 2003-2004 membership year. With over 1,300 members, PMA B is one of the largest affiliates of the Institute for Supply Management. James has been in the purchasing profession for more than 36 years. He lives in Reading with his wife, Eileen, and their three sons and serves as an elected Reading Town Meeting Representative.

1977 Jeffrey T. Burke’s article, “A Sid Acid Hydrocarbon: A Chemical Paradox,” was published in the January 2004 issue of The Journal of Chemical Education. Jeffrey is in his 27th year of teaching chemistry at Cumberland Valley College.

1978 Ellen M. O’Donnell has returned to the UMass Lowell, after having spent several years overseas with her husband’s various postings within the State Department in places ranging from China to Cameroon. She is currently completing her training in International Health in New York, where he regulated the construction of all water supplies and sewage disposal facilities in the county for over 30 years. However, Royal will continue his seasonal employment as an ocean certified lifeguard at Robert Moses State Park, a position he has held for the last 37 years.

1979 William J. Ward, since graduating in 1987 with a BSEE degree, has had adventures varied and plentiful. Beloved marriage to Yayo Tate in 1987, unrequited first fatherhood to Julia jam in 1998, and calmer and more composed marriage to Kenta Lenno in 2003. Graduated from both BU and MIT, he worked and lived in California, Texas and Japan. Employment has been in academia, large companies, small companies and his own company. Currently teaching machine design at UMass Lowell, a two-year career in commercial banking. His wife, Diana, and their three children, M.chaela, 10, Morgan B, and Robert, 2.

1980 Karl Cullen, an accomplished architect, has been appointed to the board of directors of the American Institute of Architects. Karl is currently active in professional affairs and as a practicing architect in Salem, NH.

1981 Ken Beekman, a two-year assignment in Japan has contributed to the professional growth of this previously untrained individual. He will chair the bank’s credit committee. President Phil Hopkins, a 1973 graduate of Lowell High School, will be a well-respected leader and we look forward to expanding our lending capabilities in this competitive marketplace.

1982 Jeffrey O. Brown has been elected professor of the AIA New York Chapter. He is currently involved in various projects in the New York area.

1983 Ellen Horne has been named a Fellow of the American Academy of Arts and Sciences. Ellen is currently involved in various projects in the New York area.

1984 Bill Hume has been named member of the Syntel Corporation board of directors. Bill began his career at KONA Corp. in 1984, making him a 20-year veteran of the Syntel organization, headquartered in Peabody, Mass. Most recently, he was a senior vice president of the company. Bill, who earned a degree in mechanical engineering at UMass Lowell, lives in West Newbury with his wife and two children.

1985 Charles F. Wither has joined The Provident Bank as senior vice president and senior lending officer. Previous appointments during his 18-year career in commercial banking have included posts as senior vice president at First National Bank of the East and vice president and senior lending officer at the Provident Bank in Boston.

1986 John A. McNamee has been appointed senior vice president and executive managing director of Rapidigm Inc.’s Global Public Sector business. Based in Washington, D.C., he has also been appointed president of Rapidigm Latin America LLC. Rapidigm is a leading global information technology implementation and management consulting company. Previously, after graduation from the Massachusetts Institute of Technology, John served as Air Force officer and regional and country manager directing the American Academy of Arts and Sciences. John is currently serving as a consultant to several companies in the information technology field.

1987 Christine M. Horne is pleased to announce the birth of her new granddaughter due in May.

1988 Gregory A. McCaffrey has recently been appointed a senior vice president and executive managing director of Rapidigm Inc.’s Global Public Sector business. Based in Washington, D.C., he has also been appointed president of Rapidigm Latin America LLC. Rapidigm is a leading global information technology implementation and management consulting company. Originally from New York, he has also been appointed president of Rapidigm Latin America LLC. Rapidigm is a leading global information technology implementation and management consulting company. Previously, after graduation from the Massachusetts Institute of Technology, John served as Air Force officer and regional and country manager directing the American Academy of Arts and Sciences. John is currently serving as a consultant to several companies in the information technology field.

1989 Benjamin J. Mabe has received his CPA license in both Massachusetts and Florida and is currently working on his master’s degree in accounting (audit and insurance track) at the University of South Florida in Tampa. In 2002, he and his wife, Bonnie, moved to San Antonio, where he joined the firm of PriceWaterhouseCoopers LLP. His wife, Diana, is a partner in the firm, where they practice in the areas of federal, state and international taxation.

1990 Brenda L. Monahan is pleased to announce the birth of their third daughter, Emily Elizabeth, born last March. Brenda is a partner in the firm of KPMG, where she is a tax manager.

1991 Karyn Geary, M. A., APRN, BC, nurse practitioner for Hospice of the North Shore (HNS), recently passed the American College of Critical Care Nurses board certification examination to become board certified by the American Nurses Credentialing Center (AACC), the largest nursing credentialing organization in the United States. According to the AACC, only 52 nurse practitioners across the United States received this certification.

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Christine (Tupper) Hamel and husband David Hamel ’94 are proud to announce the arrival of their second child, Caroline Christine, on May 5, 2003. Christine, who graduated from UMass Lowell in 2003, attended medical school at Quinnipiac University and worked as a nurse with the Peace Corps shorty after graduation and was sent to Gambia, West Africa, where she served for two years as a Natural Resource Management Volunteer. Upon returning to the U.S., Christine is employed as a research assistant in the Children’s Health Study, which is based at the National Institute of Environmental Health Sciences.

2004

Lisa (Egen) Queen was married in October 2003 to Michael Queen of M ericana, N.H. Lisa lives in Milburn, Fla., where she is a physical therapist.

2005

Christine A. Boulland has been living in New York City since September 2005. In August 2005, she accepted a position with the New York Rangers Hockey Organization. In February 2006, she was named assistant program manager of the Rangers Road Tour, the organization’s major Community Development and Promotional program.

2006

Kelly A. Norden finished her master’s degree in the arts of teaching (MAT) at Boston University in May of 2006. She is currently teaching English at Revere High School. During the summer, she taught an essay workshop at Brookline High School. Kelly lives in Brighton.

2007

Kohel Kanata walked away with the top prize in graphic design at this year’s American Institute for Graphic Design’s B@NE show. At the largest exhibition of graphic design at the Massachusetts College of Art, Kanata’s “M’ulasical Flaké” won best in show.

2008

Lisa (Egen) Queen was married in October 2003 to Michael Queen of Mericana, N.H. Lisa lives in Milburn, Fla., where she is a physical therapist.

2009

Christine A. Boulland has been living in New York City since September 2005. In August 2005, she accepted a position with the New York Rangers Hockey Organization. In February 2006, she was named assistant program manager of the Rangers Road Tour, the organization’s major Community Development and Promotional program.

2010

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2011

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## UM ass Lowell Alumni Gift Items

### Order Form

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**Item #1**
Champion Heavy Weight Sweatshirt.
Screen-printed collegiate sweatshirt available in gray only. Sizes: M/L/XL/XXL. $44.98

**Item #2**
Champion Heavy Weight Sweatshirt.
Available in gray only. Sizes: M/L/XL/XXL. $44.98

**Item #3**
UMass Hockey Jersey.
River Hawk replica hockey jersey. Sizes: M/L/XL. Color: Blue. Item #10. $60.00

**Item #4**
Heavy Weight Golf Shirt.
Navy golf shirt with white embroidered left chest. Sizes: S-XXL. Currently only available in Lowell Tech imprint. Item #4. $39.98

**Item #5**
Medium Weight Sweatshirts.
Available in gray only with 2 color imprint for Lowell Tech and Lowell. $24.98. Sizes: S-XXL. Available in a lighter weight, light gray for Lowell State on clearance for $17.49. Item #5

**Item #6**

**Item #7**
Gear Short-Sleeve Basic Tee. 100% cotton t-shirt. Sizes: S-XXL. Colors: Charcoal, Maroon, Navy. Item #7. $14.98

**Item #8**
Hanes Heavy Weight Tees. Gray heavy weight tees available in Lowell Tech and Lowell imprint. $16.98. Sizes: S-XXL. Similar graphic is available on a gray MV sport tee for Lowell State at a clearance price of $8.39. Item #8

**Item #9**
Alumni Hats.

**Item #10**
UMass Lowel Hats.

**Item #11**
Champion Heavy Weight Sweatshirt.
Screen-printed collegiate sweatshirt available in gray only. Sizes: M/L/XL/XXL. Color: Gray. Item #11

**Item #12**
University Chairs.
Armchair. Black with cherry arms and back lasered seal. Item #12. $339.98

**Item #13**
Rocker. Black with cherry arms and back lasered seal. Item #13. $339.98

**Item #14**
Medium Weight Sweatshirts.
Available in gray only with 2 color imprint for Lowell Tech and Lowell. $24.98. Sizes: S-XXL. Available in a lighter weight, light gray for Lowell State on clearance for $17.49. Item #5 while sizes last.

**Merchandise Total**

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**For UPS shipping to your residence, please add $25. Allow 6-8 weeks for delivery. Available with University of Massachusetts Lowell, Lowell Textile Institute, University of Lowell, Lowell State College, and Lowell Technological Institute seals.**

**For additional merchandise, visit us online at [http://umlowell.bkstore.com](http://umlowell.bkstore.com)**