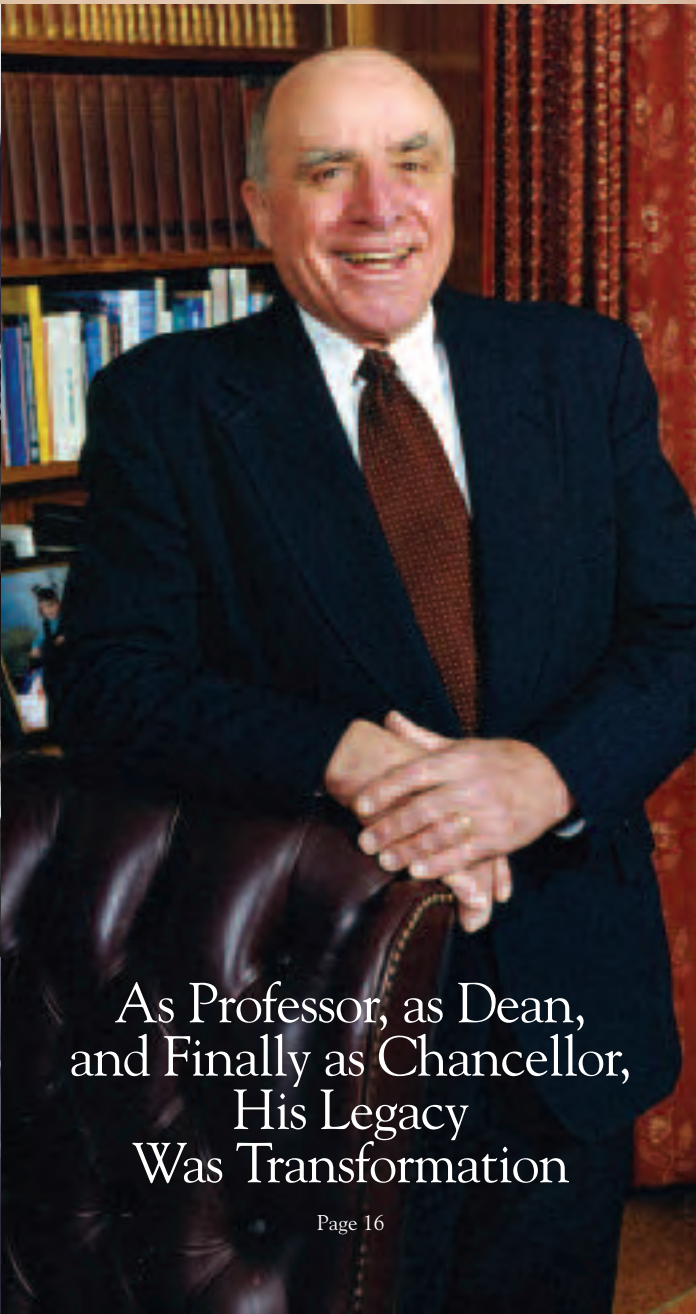


UMass Lowell

M A G A Z I N E

WINTER 2007
VOLUME 10 NUMBER 1

THE HOGAN YEARS: *Four Decades of Reinvention*



As Professor, as Dean,
and Finally as Chancellor,
His Legacy
Was Transformation



Dear Alumni, Parents and Friends:

Since the inception of this magazine, only one chancellor's signature, William T. Hogan, has appeared at the bottom of the traditional introductory letter. With Chancellor Hogan's retirement this past July, the UMass Lowell community experienced the end of an historic era. Chancellor Hogan's 25 years as president and chancellor led to the full flowering of the Lowell campus as part of the University of Massachusetts system. As Chancellor Hogan leaves the campus, it is poised to reach a higher level of achievement and make even more significant contributions to the Commonwealth.

I was honored to be asked by University of Massachusetts President Jack Wilson to serve as interim chancellor and keep the campus moving forward while we search for the permanent chancellor. While I was not unfamiliar with UMass Lowell, my first few months on campus have been rich with new experiences. Throughout the various colleges, schools and departments, the faculty, students and staff are involved in an extraordinary array of research, teaching and community engagement.

I have been part of the University of Massachusetts since 1999, starting as vice chancellor for administration and finance at UMass Boston, where I later served as interim chancellor. Subsequently, President Wilson appointed me as executive director of the University of Massachusetts Building Authority. As I write this, the Building Authority is responsible for more than 40 projects, which represent an investment of more than \$400 million throughout the system. The UMass Lowell parking garage being built adjacent to LeLacheur Park is among those projects. On a personal note, I am a native of western Massachusetts and live with my family in Wayland. I have a bachelor's degree from Wesleyan University, a master's from Stanford University and a J.D. from Northeastern University Law School.

Over the next year, I expect to focus on several priorities, including the siting and design of the \$80 million nano/bio-manufacturing research center, paying close attention to budgets and finances, placing greater emphasis on student retention and clarifying the objectives of the "Transformation Project" strategic planning initiative.

UMass Lowell owes a debt of gratitude to the Legislature, Governor and UMass President's Office for their leadership this past year, which resulted in increased state funding for Lowell and the other campuses. For example, our local legislative delegation worked tirelessly to obtain public funding for the nano/bio-manufacturing research center—the centerpiece for the next generation of UMass Lowell innovation.

As always, we need the continuing support of the people who know us best—our graduates and their families, our friends and our supporters around the region, state and world. I look forward to meeting with you in the coming months and hearing your thoughts about UMass Lowell and its future.

Sincerely,

A handwritten signature in blue ink that reads "David J. MacKenzie". The signature is written in a cursive, flowing style.

David J. MacKenzie
Interim Chancellor

Table of Contents

WINTER 2007 VOLUME 10 NUMBER 1

WINTER 2007
Volume 10, Number 1

The UMass Lowell Alumni
Magazine is published by:
Publications Office
University of Massachusetts Lowell
One University Avenue
Lowell, MA 01854
Tel. (978) 934-3223
e-mail: Marylou_Hubbell@uml.edu

Executive Director of
Communications
Patti McCafferty

Senior Director of
Development
John Davis

Director of Publications and Editor
Mary Lou Hubbell

Director of Programs
and Alumni Services
Diane Earl

Director of Regional
Alumni Programming
Deme Gys

Staff Writers
Geoffrey Douglas
Jack McDonough

Contributing Writers
Rena Lias Claffey
Jennifer Hanson
Elizabeth James
Kristen O'Reilly
Sandra Seitz

Design
Shilale Design

The University of Massachusetts
Lowell is an Equal Opportunity/
Affirmative Action, Title IX, H/V,
ADA 1990 Employer.

Campus News

Arts & Sciences	.2
Engineering	.4
People	.5
Research	.6
Outlook	.9
Outreach	.12
Health	.14
Alumni Events	.32
Athletics	.38
Class Notes	.40



Page 16



Page 24



Page 38

Cover Story

16 The Hogan Years:
Four Decades of Reinvention

Feature Stories

24 Physical Therapy Department
Celebrates 25th Anniversary

27 Collaboration + Inspiration =
Multiplier Effect

30 Joe Gandolfo: Biking the U.S.,
Traveling the World—But
Never Far From His Roots

36 Gertrude (Trudy) Barker, First
Dean of Health Professions

Campus Athletics

38 River Hawk is Now a Bird of
a Different Feather



Page 27



Page 30



Page 36

Lowell Textile School • Massachusetts State Normal School • State Teachers College at Lowell • Lowell Textile Institute
Lowell Technological Institute • Massachusetts State College at Lowell • Lowell State College • University of Lowell

Colleges - Arts and Sciences

Martin and Analog Devices Develop New Controller for Robotics Design

Analog Devices Inc. (ADI) and UMass Lowell have collaborated to develop the “Blackfin Handy Board”—an updated version of the hand-held controller board for educational robotics applications used by hundreds of colleges and universities in undergraduate engineering and robotics courses. This new version is a state-of-the-art robot controller board based on the high-performance Blackfin Processor from ADI.

Asst. Prof. Fred Martin of the Computer Sciences Department designed the original “Handy Board” robotics controller while he was a student at MIT.

In addition to donating design services valued at more than \$100,000, ADI awarded Martin a \$25,000 grant to develop on-line courseware for teaching undergraduate robotics courses using the new design. Additionally, ADI is supplying the University with Blackfin Handy Board units and funding to hire a graduate student to contribute to the board’s development.



The Blackfin Handy Board was developed by Asst. Prof. Fred Martin in collaboration with Analog Devices Inc. This new version of the original, which Martin designed, is based on ADI’s Blackfin Processor.



Beebe Nelson and Sam Mil'shtein

Massachusetts Technology Transfer Center Awards Grant

Prof. Sam Mil'shtein of the Electrical and Computer Engineering Department has won a \$5,000 Assessment Award from the Massachusetts Technology Transfer Center (MTTC). His

proposal involves high-performance transistors applied to radio frequency and wireless transmissions. The grant will fund evaluation of the technical capability and customer needs.

Based on earlier research on multi-gate transistors, Mil'shtein's group developed a new technology—a universal method to improve the performance of field-effect transistors. Beebe Nelson, visiting assistant professor of marketing, is collaborating on the project. Both are working with Paul Wormser of the office of Commercial Ventures and Intellectual Property.

The MTTC was created in 2004 as a program in the Massachusetts Economic Stimulus Bill. Its goal is to support technology transfer activities from public and private research institutions to



Endowment Honors Late Congressman Brad Morse

The F. Bradford Morse Endowment for the Study of International Relations, Sustainable Development and Peace, named for the late congressman from Lowell and longtime United Nations official, kicked off at a luncheon meeting on campus. Among those at the meeting were, from left, Timothy Rothermel, formerly of the U.N. and longtime Morse family friend; U.S. Rep. Marty Meehan, chair of the endowment committee; Chancellor William Hogan and State Sen. Steven Panagiotakos. The endowment will fund an annual distinguished lecture series and support the university's award-winning student international relations program, as well as the new high school model United Nations. The goal is to reach \$1 million in five years.

companies in the state. The MTTC is based in the UMass President's Office.

More information is available at www.MaTTTCenter.org.

An Apple (or Two) a Day . . .

For those who think that apple juice is a kid's drink, think again. Apples and apple juice may be among the best foods that baby boomers and senior citizens could add to their diet, according to new research that demonstrates how apple products can help boost brain function similar to medication.

Animal research conducted by Biological Sciences Prof. Thomas Shea, director of the Center for Cellular Neurobiology and Neurodegeneration Research, indicates that apple juice consumption may actually increase the production in the brain of the essential

neurotransmitter acetylcholine, resulting in improved memory.

Neurotransmitters such as acetylcholine are chemicals released from nerve cells that transmit messages to other nerve cells.

"The big news out of our new study is that we can show the mechanism that's working to prevent memory loss," says Shea. "Levels of acetylcholine, a critical neurotransmitter, decline with age and dietary deficiencies, and this decline is prevented by the antioxidant activity of apples and apple products."

The study was published in the August issue of the international Journal of Alzheimer's Disease.

Shea has conducted a number of studies on the nutritional, genetic and environmental risk

factors contributing to Alzheimer's. The studies have shown that deficient diet causes oxidative damage to brain tissue and impairs memory in mice, conditions that can be prevented with supplements of apple juice concentrate.

Those results encouraged Shea to evaluate the neurotransmitter effect.



Thomas Shea

High School Students Spend Summer Vacation in Chem Lab

While some high school students spent their summers sleeping late and watching TV, Meekerley Sanon and Toto Vann passed their free days surrounded by cyanocinnamic acids and stacks of chemistry journals.

Meekerley, a senior at Lawrence High, and Toto, a student at Lowell High, participated in the summer program offered by the Chemistry Department's Center for Advanced Materials. The program is administered through the U.S. Army-funded Academy of Applied Sciences (AAS) based in Concord, N.H.

Each year, the AAS sponsors 120 high school students as apprentices to college researchers throughout the nation. Meekerley and Toto worked under the supervision of Prof. Daniel Sandman, associate director of the Center for Advanced Materials.

"The students get a learning experience," he explains. "They get to apply what they learn in school and work with high-tech equipment that their own schools may not have."

The Academy's objective is to motivate students to pursue careers in science. It seems to be working, with 90 percent of the participants going on to study science, math or technology in post-secondary schools.



Prof. Daniel Sandman and Meekerley Sanon, a senior at Lawrence High School

Colleges - Engineering

First Company Joins Mass Medical Device Development Center

Perfusion Technology of Lawrence has turned to M2D2—the Massachusetts Medical Device Development Center—for help with its technical problems.

M2D2 was launched last year with \$135,000 in seed funding, awarded to Prof. Stephen McCarthy of Plastics Engineering by UMass President Jack M. Wilson. The Center aims to combine the engineering expertise at UML, the clinical and medical expertise at UMass Worcester and the marketing expertise of the Donahue Institute, a research arm of the UMass President's Office. It is co-directed by McCarthy and Prof. Sheila Noone, director of the Office of Clinical Research at UMass Medical.

“For the past two years, we have been working in Lawrence, Boston, Columbus, Ohio, and the British Virgin Islands. We are seeking an environment where we have access to the expertise we need, when we need it and at a reasonable cost,” says Al Kyle, Perfusion president and CEO. “M2D2 provides access to a faculty with expertise in life sciences, animal laboratories, technical facilities and staff, and a business incubator where we will locate our administrative office. These are critical to the success of small medtech startup companies.”

Founded in 2003, Perfusion has been developing technology to deliver drugs to the brain for treatment of brain tumors, stroke and epilepsy.

“Perfusion is an ideal candidate for M2D2, and we are delighted to have them as a tenant,” says Paul Wormser, entrepreneur-in-residence and associate director of external funding, technology transfer and partnering.

The Perfusion device combines ultrasound with IV-admin-



Prof. Stephen McCarthy, co-director of the Massachusetts Medical Device Development Center (M2D2)

istered therapeutics. The combined therapy overcomes the “blood-brain barrier” that prevents toxins—and nearly all medications—from entering the brain.

Crugnola Endows Scholarship for Graduating Engineers

More than ever, citizens of the world need to understand both technology and society to make well-informed decisions. Now, thanks to an endowed scholarship established by Plastics Engineering Prof. Aldo Crugnola, former dean of engineering, graduating engineers will have the opportunity to broaden their education.

“An engineer can do more than work with things,” says Crugnola, who joined the engineering faculty in 1968, and was dean from 1977 to 1996. “Many of our students have gone on to other professions, such as medicine and law. My idea is to provide some financial support to a graduating engineer to carry out, in a broad sense, something to do with people.”

The new scholarship will be available for graduate study in the Department of Regional Economic and Social Development (RESO), and could expand as master's degree programs become available at UML in other humanities and social sciences.

Crugnola's interest in well-rounded education is long standing: as dean, he collaborated with Peter Blewett, dean of the College of Liberal Arts, to establish a “cluster” course requirement in engineering. These were courses that met the general education requirement, but developed around a theme or discipline. Faculty from the liberal arts participated. He says, “Technological education needs to be broader as our graduates aspire to more fully offer their education to society and become leaders. And engineers add something of value in return, with a particularly well-organized way of thinking and a disciplined approach.”

The scholarship is an outright grant, with no teaching or work requirement.



Aldo Crugnola

People



Louise Griffin

Griffin Honored for Merit in Research Administration

Louise Griffin, vice chancellor for Administration and Finance, has received the 2006 Merit Award for the New England Region of the National Council of University Research Administrators (NCURA). The award recognizes and promotes outstanding achievement in research administration.

Griffin is a past chair and treasurer of NCURA, serves on several advisory committees and has co-chaired three regional spring meetings. She represents the region as a member of the NCURA National Nominating and Leadership Development Committee.

Griffin was cited for her service to the organization, that “over the years has benefited each and every member of our region. Her diligence and positive attitude have brought many ideas and projects to life. She has worked hard for us and with us, set examples for her colleagues and made us laugh at every turn.”

Griffin is a member of the National Association of College and University Business Officers and is also the University’s administrative representative to the Federal Demonstration Partnership.

UML Recognized by EPA for Lead-Free Project

Mechanical Engineering Prof. Sammy Shina and Greg Morose, Toxics Use Reduction Institute project manager, have received an Environmental Merit Award from the U.S. Environmental Protection Agency.

Led by Shina and Morose, the New England Lead-Free Consortium, a group of industry, academic and government organizations, was honored at a Faneuil Hall ceremony, for a five-year effort to find new lead-free alternatives for the electronics industry.

Lead, a toxic chemical that has been linked to health and behavioral problems, is commonly found in solder used in disposable electronic equipment that ends up in landfills and incinerators. This project is expected to remove approximately 6,500 pounds of lead per year from the Massachusetts electronics industry.

“Excellent technical work, great team-building skills and a lot of sweat equity went into this project”, says Michael Ellenbecker, director of the Toxics Use Reduction Institute.

“Sammy, Greg and all the Consortium members are to be commended for staying the course and making Massachusetts safer for everyone, he says.”

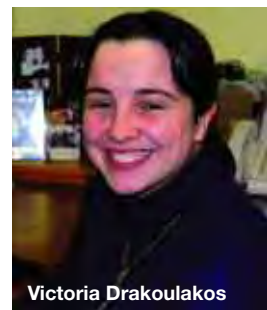


Greg Morose and Sammy Shina

Vice Chancellor’s Administrative Assistant Is a Multi-Lingual Attorney

Victoria Denoon was born in 1980 in the small town of Holywood, just outside Belfast in Northern Ireland. She didn’t live there very long.

When she was 3, her family moved to Gibraltar where they stayed for four years. Then it was on to Scotland, and then to Germany. It was not until she was 11 years old that Victoria returned to her native Holywood.



Victoria Drakoulakos

Now, 15 years later—after having lived for a year in Pakistan; after having earned a law degree; after having visited places like Brazil, Bangladesh, Thailand, Dubai and Turkey; and after having learned to speak conversational Turkish, French, German and “a little” Russian—she has settled in Dracut.

Victoria Denoon is now Victoria Drakoulakos, an administrative assistant to Vice Chancellor Diana Prideaux-Brune.

She and her family led a somewhat nomadic life because her father, a civil engineer, worked for the British Ministry of Defense and, later, the British Foreign and Commonwealth Office.

After returning to Northern Ireland when she was 11, Drakoulakos completed high school (in Ireland, students attend high school from age 11 to 18) and then was accepted to the Queens University law school where she earned her law degree.

However, after a year of law school, she decided to take time off and join her parents and brother and sister who were living in Pakistan at that time. While there she found work at the office of the British High Commission

and, incidentally, met a U.S. Marine from Lowell named Drakoulakos.

“When Peter and I first met he couldn’t understand a word I said because I had a much thicker Northern Ireland accent at the time, she says.” He was very Boston and I couldn’t understand him.”

They solved that problem, obviously, because they soon became engaged, and were married in Ireland in 2002. He returned to Lowell, where he is now a police officer, and she joined him six months later after completing law school.

Of all the places she has lived, Drakoulakos liked Pakistan the best.

“I loved it there,” she says. “I really loved a lot of things about that country. Some of it was hard to deal with but it was a nice experience and I miss it sometimes.”

Being one who likes to “keep my mind busy,” Drakoulakos is taking classes toward a master’s degree in criminal justice. “If I decide to practice law, I want to know more about the system here,” she says.

Meanwhile, she learned to speak Egyptian Arabic in preparation for a vacation with her parents to that country. As she did with Turkish, she taught herself the language with a 10-day CD course. Of all the languages she has become conversant in, she says, “Arabic is the most difficult so far.”

Oddly enough, after all her travels, she says, “The biggest culture shock I ever had was when I moved to the states.” She found it to be very big and, unlike her hometown in Ireland, she couldn’t walk everywhere she wanted to go. And, at first, she found it hard to make friends.

“So, I was happy when I started working here because there are some wonderful people at the University,” she says.

Research

DARPA Funds Bold Research on Limb Regeneration

Profs. Susan Braunhut and Kenneth Marx have teamed up to pursue a “mind-blowing” innovation—to cause a limb to re-grow in an adult mammal.

The UMass Lowell research group has joined groups from five other institutions and secured funding from the Defense Advanced Research Projects Agency (DARPA). The UMass Lowell portion of the DARPA grant is \$1.2 million for the first two years, with an anticipated continuation of \$1.4 million for the next two years.

The research groups expect that by working together they will gain a more complete understanding of the cellular and molecular processes that allow certain creatures, such as salamanders, to completely regenerate lost limbs, and be able to harness this capacity in mammals.

“As a consortium, we’re putting together our knowledge of stem cells, tissue development and healing, extracellular matrix, growth factors and the regulation of gene expression,” says Braunhut. “We’re encouraged by research results and recent discoveries and we believe this goal is attainable.”

The implications of such research are especially evident considering that the wounded soldiers returning from Afghanistan and Iraq include twice the number of



One form of newt, the Eastern or red-spotted newt—capable of limb regeneration, will be studied. (Photo courtesy of Dr. Shannon Odelberg)



The UML lab team members are, clockwise from left front, Anita Arun, Prof. Susan Braunhut, Vikram Shankar, Matt Belmonte, Dr. Ekaterina Vorotnikova, Soumya Vemuri and Donna McIntosh; not pictured, Doanh Mai and Rachel Mendes.

amputees of previous conflicts and wars.

Braunhut and Marx had already made great strides in understanding the role of the cell scaffolding, or extracellular matrix, in healing—work that has been spun off into a commercial wound-healing application, the Smart Bandage.

Marx says, “It’s exciting to be involved with research that moves beyond the cautious, incremental approach.” He will analyze all the data from the consortium researchers to identify the molecular signature of regeneration.

The UML researchers are particularly grateful to U.S. Rep. Marty Meehan and his efforts to help Louise Griffin, vice chancellor for Administration and Finance, bring DARPA Director Anthony Tether to campus a few years ago. His visit led to other DARPA-funded research for the UML team and the opportunity to interact with leading researchers in all specialties concerned with wound healing.

New Faculty Researcher Works on Nonlinear Systems

Tingshu Hu, assistant professor of electrical and computer engineering, has traveled far to become part of the UMass Lowell community—from Shanghai, where she studied and worked for 16 years, to Hong Kong, to Canada, to the University of Virginia for a Ph.D. degree and to the University of California Santa Barbara for a post-doctoral position.

Now she teaches a second-year undergraduate course in electrical circuits and advanced courses in control systems, her specialty.

“Control systems are used everywhere, from refrigerators to airplanes to spacecraft,” explains Hu. “These are



Tingshu Hu

decision-making systems—you have an objective and use information and measurement from sensors to adjust actuation automatically via controllers to meet the objective.”

Cruise control in an automobile is an example of a simple control system, whereas an airplane is much more complex because of the many degrees of freedom and demanding requirements.

Hu’s research involves developing theory and numerical tools to optimize the performance of nonlinear control systems: those that present complex computational challenges. Following up on her doctoral research at UVA, she is working on a project to develop an artificial heart pump that is magnetically suspended within the vessel.

Therrien Strives to Perfect a System for Detecting Bacteria

There are two basic methods of detecting the presence of bacteria, according to Asst. Prof. Joel Therrien. One, he says, is very sensitive but too slow. The other is very fast but not sensitive enough.

Therrien, who joined the Electrical and Computer Engineering Department in 2005, is conducting research to perfect a biosensor that will be both fast and sensitive. Such a sensor would have applications in many areas, but especially in medicine and national defense.

And way, way out in the future, Therrien’s biosensor—which, he says, could be as small as a box of Tic Tacs—might be used by shoppers to check cuts of meat in the supermarket to make sure they are free of bacteria.

One method for detecting bacteria in medical practice today involves the collection of samples that are then grown in a Petri dish for 12 to 24 hours. Meanwhile, the patients in question must be treated on the assumption that they are, in fact, infected with the bacteria.

The second method entails testing for airborne bacteria, such as anthrax. This process, in which the air passes through equipment about the size of a shoebox, is fast but not extremely sensitive.

“The goal,” says Therrien, “is to develop something that is highly sensitive but that can do the job in real time.”

He’s researching a system that involves measuring the vibrating frequency of nano-sized cantilevers (think diving boards). Bacteria have properties that cause them to stick to specific proteins in the body. Therrien would coat his cantilevers with proteins that would capture and indicate the presence of various types of bacteria.

The objective is to make this system small enough and inexpensive enough to be practical. To accomplish this, his idea is to mount nano-tube cantilever sensors on chips that will be able to detect different kinds of bacteria.

“Ideally, these chips would cost only a few dollars apiece and would be contained in something as small as a Tic Tac box,” he says.



Joel Therrien

UML Student Takes Top Honors at EPA

Green tea makes a potent brew for graduate student Subha Nagarajan, who won a \$75,000 grant from the Environmental Protection Agency (EPA). With the funding, she will further develop her research into promising anti-cancer compounds that are synthesized from a component of green tea using environmentally benign, green chemistry methods.



Subha Nagarajan

More than 350 university students, comprising 42 teams, gathered on the National Mall in Washington, D.C., to compete for the EPA's second annual P3 (People, Prosperity, Planet) Award. The P3 program encourages the development of sustainable technologies that lead to commercialization. The students showcased their research entries to the public at the National Sustainable Design Expo, set up in a tent on the Mall for two days before the awards ceremony.

The exchange of ideas with other teams was terrific, but the competition was fierce, as just six projects were chosen for awards.

"I was so sure I wouldn't win that I told my father not to attend the awards ceremony," says Nagarajan, whose father was covering the event as a journalist from India. "The judges asked very tough questions, but Dr. Kumar had asked me at least 50 percent of

those same questions before! He is everything you could hope for as an advisor." Physics Prof. Jayant Kumar, director of the Center for Advanced Materials, heads the research project in collaboration with Prof. Susan Braunschweig of the Biological Sciences Department.

In emphasizing the collaborative nature of research, Nagarajan gives credit to members of the team and suggestions from other groups. Among them are U. S. Army scientists Dr. Lynne Samuelson and Dr. Ferdinando F. Bruno; Prof. Braunschweig's group; Dr. Ram Nagarajan and Sandhya Nagarajan; retired Chancellor William T. Hogan, for support through the Chancellor's seed grant; Prof. Kenneth Geiser; Pamela Civie of the Toxics Use Reduction Institute and Prof. John Warner and his group.

Green Chemistry Student Wins NSF Fellowship

Laura Ingalls, first-year doctoral student in the Green Chemistry Program, has her work cut out for her—and the funding to do the job. Ingalls has won a three-year, \$131,500 research fellowship grant from the National Science Foundation, under the program for promoting science in the community.

Ingalls joins a research group in green chemistry that is investigating environmentally benign photoresist materials to be used in electronics and other industries, using thymine copolymers. The new copolymers would replace the coating material used in making printed circuit boards. Most importantly, an enzyme from e-coli can be used to make the polymers biodegradable and recyclable.

"Think about what happens to all the components in a printed circuit board at the end of its usable life," says Ingalls. "What we're developing is a



Laura Ingalls

material that can change condition. First we use ultraviolet light to make the polymer crosslink—it becomes water insoluble and is usable in electronics. At the end of its life, we break the bond—it becomes water soluble and degradable—using an enzyme."

Ingalls is working on isolating an enzyme and inhibitor combination—a sort of trigger mechanism—for controlled release to undo the crosslinking. She is also investigating other enzymes that are more robust and less temperature-sensitive.

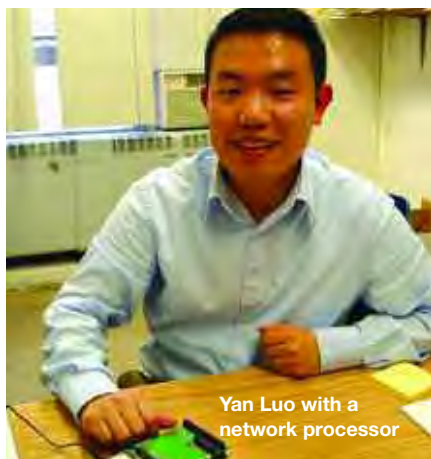
Luo's Research Advances Process Technology

Asst. Prof. Yan Luo of the Electrical and Computer Engineering Department is conducting research in the area of computer architecture, particularly the processors that are specialized for network or packet processing.

Packets are bunches of information and, as they travel through the Internet, they reach different processing locations.

"With all the new applications, such as Voice over Internet Protocol (VoIP), these new requirements make the processing more complicated," Luo says. "We're working on speeding up the processing by using multiple programmable units on a single chip."

Intel has awarded Luo a \$25,000 grant for a project using a network processor to build a scalable deep packet inspection system—that is, to closely



and carefully inspect packets for viruses or malicious code as they are processed.

Intel also has made an equipment grant for his second major research area—wireless mesh network routers. Practical applications for this research could include disaster relief situations in which first responders could deploy wireless nodes that would transmit information to a command center.

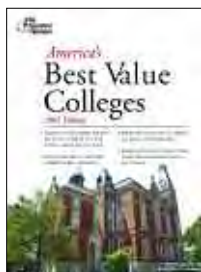
Outlook

UML Listed as One of America's Best Value Colleges

UMass Lowell is one of 150 public and private colleges included in the 2007 edition of "America's Best Value Colleges," produced annually by The Princeton Review (PR).

Based on data PR obtained from administrators at 646 colleges and surveys it conducted of students attending them, the 2007 edition recommends 103 public and 47 private colleges in 40 states.

According to Robert Franek, vice president of publishing at PR, "We use more than 30 factors to rate the colleges in five categories: academics, tuition, price minus average amount students receive in gift



aid scholarships and grants, financial aid (how well colleges meet students' financial need) and student borrowing."

UML Attracts More and Better Students

For many years, the Office of Undergraduate Admissions was charged with maintaining the size of the incoming fall freshman and transfer population.

This year was different.

For fall 2006, the Chancellor asked the office to increase the number of incoming students without sacrificing quality. That's exactly what happened.

The incoming freshman class numbered 1,240 students and transfers totaled nearly 750—a combined increase of about 10 percent.

At the same time, SAT scores of incoming students averaged 1,088 while their Grade Point Averages were at the 3.21 mark, both slightly higher than the previous year.

Kerri Mead, acting director of Admissions, and Michael Belcher, acting director of Outreach and Recruitment, say they believe the increases can be attributed, in part, to the University's reputation and a growing awareness of students of the scope of education they may need to prepare for today's careers.

"We've seen an increase among highly qualified students," Mead says. "They realize they'll need more than a bachelor's degree and are willing to look at an affordable undergrad experience at a public school—as long as it's good quality. Then they can go on to graduate school without being swamped by debt."

Belcher points to the increase in the individual Deans' Scholarship awards from \$2,000 to \$4,000 each year. "This is more in line with the offers from other schools these students are getting," he says. "This makes us more competitive."



Longtime Chancellor's Assistant, Joyce Sullivan, Retires

Joyce Sullivan, seated in center, retired this summer after serving many years as administrative assistant to Chancellor William Hogan, now also retired. The farewell reception gathered many longtime friends and colleagues, retired and current, many of whom held administrative positions across campus. Sitting to Sullivan's left and right are Val Leahey and Pat Gallagher. Standing, from left, are Marie Sherman, Bernie Galvin, Patricia Masterson, Vera Preston, Donna Gryzb, Joy Ennis and Kay Merrill.



UML Takes Ownership of Bellegarde Boathouse

Under legislation passed by the Legislature and signed by Gov. Mitt Romney, UMass Lowell has gone from tenant to landlord of the Bellegarde Boathouse. A \$1 million appropriation for the campus for the facility's upkeep also was secured by Lowell's State House delegation.

"It's a gem and it's been falling into disrepair," says Rep. Thomas Golden Jr. of the facility located across from the Dunkin' Donuts on Pawtucket Boulevard. "We've been trying to put money into a vehicle that would allow us to either rebuild it or repair it."

Athletics Director Dana Skinner will help develop a management plan for the facility. "We would love to see the facility become more user friendly," he says. "The onus is on us now to maintain the building, and we have a million dollars to start us down the road. We thank [Lowell Rep.] Tom Golden and the legislature for that."

The state's Division of Conservation and Recreation (DCR) has been in charge of the facility, which has needed plumbing and other significant capital improvements for a number of years. DCR closed the facility last fall due to the unsatisfactory conditions. Skinner said transfer arrangements between DCR and the University could take up to 90 days and that it would be a while before visible improvements could be made. He suggested that over time,

however, the facility may be able to generate enough revenue to become self-sustaining.

"First, we plan to address some long-delayed, less-than-glamorous basic renovations," says Diana Prideaux-Brune, vice chancellor for Facilities. Plumbing, ventilation and any safety concerns will likely top the list."

UMass Lowell uses the Boathouse for its club crew team, for the Tsongas Industrial History program's "River as a Classroom" and as part of the National Youth Sports Program. Other major users include the Merrimack River Rowing Association, the City of Lowell, Lowell High School and Notre Dame Academy.

State Funds Nano-Bio-Manufacturing Building

Gov. Mitt Romney has signed into law an economic stimulus bill that includes \$35 million for an integrated advanced manufacturing research and technology assistance facility at UMass Lowell, following strong advocacy for the funding from Lowell area legislators.

"This investment puts Lowell at the forefront of two emerging industries—nanomanufacturing and biomanufacturing," says Sen. Steven C.

Panagiotakos, a member of the conference committee that crafted the final legislation. "This will capture for the region the jobs of the future."

The new law appropriated \$21 million and approved state bonding of \$14 million for a nano- and biomanufacturing facility on campus. "The University

is not the only agency the state has to worry about. We appreciate all that they do for us," said Chancellor David J. MacKenzie.

The University's plan for funding the remainder of the \$80 million facility costs was approved recently by the UMass Board of Trustees. The University will borrow an additional \$35 million and tap other sources for another \$10 million. The building requires interdisciplinary research laboratories and prototype manufacturing space and will be the first new academic building constructed on campus in more than 30 years.

It is expected to house the campus's expanded Nanomanufacturing and BioManufacturing Centers and the green chemistry program. It will be outfitted with state-of-the-art equipment, clean rooms, research and production assistance and prototype manufacturing space to facilitate partnerships with industry.

Since the funding was approved, plans have moved forward for selecting a site for the building. Vice Chancellor for Facilities Diana Prideaux-Brune recently presented four siting options to Lowell's State House delegation, U.S. Rep. Marty Meehan and officials from the City of Lowell. Under consideration are sites on UML North (Riverside Parking Lot), UML's old West Campus on Princeton Street, the corner of Perkins and Aiken Streets in the Lawrence Mills site and an area near the National Park Visitor Center in Lowell's Hamilton Canal District.

The building is only one element of the campus's \$266 million master plan, which the Trustees also approved. For more information on the plan, visit www.uml.edu/masterplan.



Diana Prideaux-Brune

Can Masks Prevent a Pandemic Flu? Prof. Milton Chosen to Answer the Question

It's an image everyone remembers from the SARS epidemic: women and men going about their daily business wearing surgical masks. But do masks work?

According to Work Environment Prof. Donald Milton, M.D., "We know pretty well that surgical masks do not protect you from someone who has influenza. But masks might work if the person who has influenza wears it."



Donald Milton

The federal Centers for Disease Control and Prevention (CDC) wants Milton to find out if they do or not. They have chosen him to evaluate the effectiveness of masks in preventing the spread of pandemic flu. UMass Lowell will receive about \$550,000 for the study.

Together with researchers from the Harvard School of Public Health, Milton will study the way influenza spreads by looking at flu patients' aerosols – as in, the spray generated when someone coughs or sneezes. UMass Lowell's student health services will assist in the project by identifying flu patients, as will Saints Memorial Medical Center in Lowell. Flu patient volunteers, who will be compensated, will have the air around them collected, recorded and tested.

With the development of a vaccine against a pandemic flu strain, such as bird flu, expected to take several months, the CDC has put \$5.2 million into studying eight different non-pharmaceutical ways to prevent its spread. The awards to the researchers -- five from universities and research institutes across the U.S., one from New Zealand and another from Hong Kong—are aimed at scientifically evaluating those methods.

Milton, who has an extensive background in aerobiology and asthma research, is looking forward to the work. "We're going to get some really exciting results from this," he predicts.

Students Will Benefit From Nuclear Partnership

Nuclear Engineering Company Sponsors Scholar-Interns

Eight engineering students will have monetary support, mentoring and meaningful work experience through a new Scholar-Intern corporate partnership agreement with the Francis College of Engineering.

Shaw Stone & Webster Nuclear, a subsidiary of The Shaw Group Inc., will support the program with grants of about \$20,000 annually – providing scholarships for as many as eight students. The program will offer students tuition assistance and opportunities to gain practical engineering experience and access to mentors throughout the company. The state will match the cost of tuition: about \$1,500 annually for each student.

The agreement is part of a strategic hiring plan by Shaw Stone & Webster Nuclear in support of their expanding nuclear engineering and design operations in Massachusetts. Scholar-interns will be selected from the nuclear engineering program, as well as from mechanical, electrical and computing, chemical and civil engineering.

The sponsorship agreement was announced at a press conference marking the company's opening of a new facility in Stoughton to better accommodate the company's expanding nuclear workforce. The new Shaw Stone & Webster Nuclear office expects to hire an additional 400 professionals at this location over the next few years.

Shaw is a pioneer in the nuclear industry and recently announced that it has joined Toshiba Corporation in acquiring Westinghouse Electric Company, the world leader in nuclear fuels, services and pressurized water reactor technology. Shaw holds a 20 percent ownership in Westinghouse and the two companies have a long history of working together; with the acquisition, Shaw now has a stake in every aspect of the nuclear industry.

Prof. Gilbert Brown of the Chemical and Nuclear Engineering Department, and coordinator of the Nuclear Engineering Program, says, "Shaw Stone & Webster's growth is part of the renaissance of nuclear energy engineering options in the power industry. I especially want to thank Dave Barry, president of Shaw Stone & Webster, and Michael O'Connell, who is a project manager with the company and a member of our departmental advisory board, for their work in developing



Dave Barry, left, president of Shaw Stone & Webster Nuclear, and Engineering Dean John Ting has signed a partnership agreement for scholar-internships for up to eight engineering students. With them are Rep. Stephen Lynch, third from left, and Shaw Group CEO Jim Bernhard at a ribbon cutting for an expanded nuclear facility in Stoughton.

this partnership. It will benefit our students and the company.”

At the press conference, T.M. Bernhard, Jr., chief executive officer of the Shaw Group, said, “We are especially pleased to participate in the UMass Lowell scholarship program, which reinforces our commitment to supporting educational opportunities in the markets we serve and allows us to nurture young nuclear professionals as the industry grows.”

The Shaw Group is headquartered in Baton Rouge, La.; with over \$4 billion in annual revenues, Shaw employs approximately 22,000 people at its offices and operations worldwide.

Outreach



Vice Chancellor of Facilities Diana Prideaux-Brune receives citations from members of the State House delegation, from left, Sen. Steven Panagiotakos, Rep. Kevin Murphy and Rep. Thomas Golden.

University Honored for Green Efforts

UML has been honored for its environmental leadership by the Lowell State House delegation and state and federal environmental agencies.

At a reception in Cumnock Hall, Sen. Steven Panagiotakos, Rep. Thomas Golden and Rep. Kevin Murphy lauded UML for being the first state agency to purchase renewable energy.

Panagiotakos said, “In the area of renewable energy and having a social conscience, this is far and away the best agency we have in the Commonwealth of Massachusetts.”

The University has signed a three-year contract for renewable energy certificates. The amount of energy purchased will account for approximately 13 percent of the electrical load on campus. This is also enough energy to power all of the University’s dorms.

Also on campus to honor UML were representatives of the Executive Office of Environmental Affairs, the Environmental Protection Agency and an organization called Think Energy.

“No campus has done more than UML in reducing green-

house emissions. We are hopeful that others will follow UML’s model,” said Eric Friedman, director of state sustainability at the Executive Office of Environmental Affairs.

Assistive-Tech Design Fair Packs Cumnock With Ingenuity

Cumnock Hall auditorium was packed—that was the first impression for visitors to the annual Assistive Technology Design Fair. Each project on display told a compelling story of someone in need and young people who used creative energy and sustained effort to meet that need.

The Design Fair is sponsored by the Francis College of Engineering and led by Douglas Prime, director of K-12 educational outreach for the college. In four years, it has grown from a few teams at two nearby schools to more than 100 students from a dozen schools across the state.

“The quality of ideas and choice of projects just keep getting better and better,” says Prime, whose own enthusiasm seems boundless. “Did you see the mobility rocker? The Swampscott team created this modified skateboard with a pivot device that fits on a wheelchair for a boy with muscle spasticity; he can push down to exercise. They solved the problem, and it’s beautifully produced and cool looking.”



Students from Swampscott High School with a Mobility Rocker exercising device.

The program begins with an introductory event in January, in which participants gain an overview of the design process.

After the teams submit their problem statements and begin working, the next milestone is the design review. Working engineers from M/A-COM (a division of Tyco Electronics) and Teradyne volunteered to visit the participating schools and conduct reviews, a process that “the

students found tremendously helpful,” says Prime. “They had to present and defend their solutions; it was a real engineering review.”

Besides being a source of great satisfaction for the students and their coaches, the Design Fair is attracting corporate and University support. This year’s sponsors were the Tyco Electronics Foundation, 3M Touch Systems and Philips Medical Systems, as well as the College of Engineering. In addition, Dean John Ting has established a Dean’s Scholarship for entering freshmen who have participated in the program: a four-year renewable grant at \$2,000 annually.

History Center Works in Partnership With Mogan Center

Some members of the UML community might be unaware that part of the University’s main library is not on campus.

The UMass Lowell Center for Lowell History, an 8,000-square-foot facility over two floors, is located at 40 French St., where it functions in partnership with the Patrick J. Mogan Cultural Center.

The mission of the Mogan Center, part of the Lowell National Historical Park, is to tell the “human story” of the city through the development of exhibits, projects and programs.

The University’s Center for Lowell History, which began as a special collections section of Lydon Library, helps the Mogan Center carry out its mission. In addition to being a repository of University archives, it also houses numerous collections—including those of the Lowell Historical

Society, the Lowell Museum Corporation and the Boston and Maine Railroad Historical Society.

Martha Mayo, the librarian of the University’s Center for Lowell History, joined Lowell Tech in the mid-1970s as special collections librarian and moved to the French street location in the late 1980s when the library partnered with the Mogan Center.

“We’ve really built up our family history collections so we get a lot of local people in here,” she says. “We also get e-mails and calls every day from people all over the country asking for information about family history or history of the city.”

Mehmed Ali, director of the Mogan Center, says, “The Mogan’s primary focus is the local community. We work on local history, cultural preservation and programs and oral history projects. The purpose of the Mogan Center is to be able to attract high-level academic study as well as grassroots community programs.”

In addition to the History Center, the University also plays an active role in the work of the Mogan Center through its representation on the Center’s Cultural Center Community Committee. Of the committee’s 10 members, three are UML faculty or staff.

The University also has been involved in educational activities at the Mogan Center through a variety of means, including Continuing Education classes, the Learning in Retirement Association and the Tsongas Industrial History Center.



UML's Chef Olan Horne shares cooking duties with CTI's Karen Frederick.

Lowell Farmers' Market Gets Gourmet

Fresh produce in downtown Lowell took on a new twist this year. At the local farmers’ market, lettuce and tomatoes were joined by spicy spring rolls, Mediterranean salad and sumptuous salsa.

UML’s Center for Health and Disease Research joined forces with Community Teamwork Inc. (CTI) to present the 26th annual farmers’ market. Located in Lowell’s JFK Plaza, the market sold locally grown produce every Friday through mid-October.

In an effort to expand the market and promote the many health benefits of eating fresh produce, organizers added a series of cooking demonstrations to the weekly market, featuring chefs from area restaurants. The chefs were joined each week by a local celebrity who rolled up his or her sleeves and helped with the slicing and dicing.

Among the restaurants represented this summer were Mambo Grill, La Boniche, Ricardo’s Café Trattoria, Bianco’s Catering and Cobblestone’s. Some of the local celebrities who took part were Mayor William Martin, members of the Lowell City Council, and Nancy Tuttle of The Sun.

Colleges - Health



Stecchi Awards First Annual Scholarship

Former dean of the School of Health and Environment Jan Stecchi, center, celebrates with the recipients of her First Annual Janice M. Stecchi Scholarship. Kristin Palladino, left, and Doreen Duquette were chosen based on their academic excellence and desire to be actively involved in health care.

University Introduces Public Health Laboratory Scientist Graduate Certificate

To help satisfy a critical need for qualified public health laboratory scientists, the Department of Clinical Laboratory and Nutritional Sciences has established a graduate certificate course in that area.

The program began this fall and Prof. Kay Doyle, chair of the department, says plans call for it to go online eventually so that it will be offered, literally, to students across the country.

“This is the first program of its kind in the country and perhaps in the world,” she says.

Concerns about bioterrorist attacks post 9/11, the threat of disease epidemics from natural disasters such as Hurricane Katrina and worries about

pandemics such as avian flu present a need for trained public health laboratory personnel. But there is a documented shortage of these professionals in Massachusetts and throughout the nation.



“In these times of natural disasters and biological and chemical terrorism, it’s essential that we have clinical lab scientists who understand the public

health network and services,” Doyle says.

But the average number of clinical lab science/medical technology graduates is only about 5,000 a year while the projected need is more than double that number. In addition, 72 percent of board certified medical laboratory personnel are 40 years old or older, with the average age being 47.

The University’s certificate program is designed for laboratory professionals and public health informatics specialists or administrators now working in or with experience in a public health career or related science field.

SHE Researchers Receive \$5M Federal Grant

UMass Lowell has received a \$5 million, five-year grant under the National Institutes of Occupational Safety and Health’s Centers for Excellence to Promote a Healthier Workforce initiative. The grant was one of only two awarded nationwide out of more than 60 applications.

The grant is for the creation of the Center for the Promotion of Health in the New England Workplace. It will be implemented under the direction of Work Environment Prof. Laura Punnett with assistance from Lenore Azaroff of Work Environment, Lin Zhan of Nursing and Nicole Champagne of Community Health and Sustainability—all departments in the University’s School of Health and Environment (SHE). UML researchers will collaborate with the University of Connecticut’s health promotion research team.

“It has always been easiest to achieve safer and healthier workplaces by implementing preventive measures, such as ergonomically designed work stations or patient-lifting devices for

nursing homes,” says Punnett. “At the same time, the workplace has become a common location for health education and health promotion activities. This center will combine the expertise of both types of health professionals in order to learn whether we can be even more effective. These grant funds will permit us to take a much broader and more inclusive approach to promoting health as well as preventing disease and injury.”

In announcing the grant, U.S. Rep. Marty Meehan said, “A healthy workforce is vital to maintaining our competitive edge in the global marketplace, and UMass Lowell will be leading the way in promoting workplace safety and health among New England’s expansive workforce. I am extremely pleased that UMass Lowell was able to secure this highly competitive \$5 million grant.”

Lewis Awarded \$150,000 NIH Grant

Asst. Prof. Erika Lewis, a hand therapist consultant in the Department of Physical Therapy, has been awarded a \$150,000 grant from the National Institutes of Health for the first phase of a research project regarding “conformable” splints.

Lewis says a conformable splint is one in which the splint material is heated to custom-make it to fit the patient. The objective of the research, she says, is to produce a material that is easier and faster to work with, and is less expensive than materials currently being used.

“If these goals are achieved it could decrease the hand therapist’s time spent fabricating and adjusting splints in the clinic, resulting in an increased number of patients seen. My role as a hand specialist is to test the material in the clinic on subjects and conduct a survey of hand therapists to determine their opinions about the new material.”

Anna Galea of Infoscitex in Waltham is the principal investigator.



Erika Lewis

ALUMNI HOLIDAYS® 2007 TRAVEL PROGRAMS

THE UNIVERSITY OF MASSACHUSETTS LOWELL INVITES YOU TO TRAVEL WITH ALUMNI AND FRIENDS . . .

TREASURES OF SOUTHERN AFRICA

March 5 - 18, 2007

Bustling cities, wildlife safaris—explore diverse Southern Africa.

\$5,295*, plus air

IRELAND ENNIS & KILKENNY

May 12 - 23, 2007

Discover the charm and culture of the Emerald Isle.

\$2,495*, plus air

BERLIN, DRESDEN & PRAGUE DISCOVERY

June 9 - 19, 2007

See three of Europe’s most historic and cultured cities.

\$2595*, plus air

EASTERN EUROPE POLAND & HUNGARY

June 25 - July 6, 2007

Balance tradition and cutting-edge culture in Krakow and Budapest.

\$2,795*, plus air

Italy’s Magnificent Lake District

July 24 - August 1, 2007

Experience romantic Alpine allure in the Italian Lakes.

\$2,295*, plus air

China Classic Discovery

August 29 -

September 10, 2007

Visit Beijing, cruise the Yangtze River and see Shanghai.

\$2,695*, plus air

Italy Sorrento & Orvieto

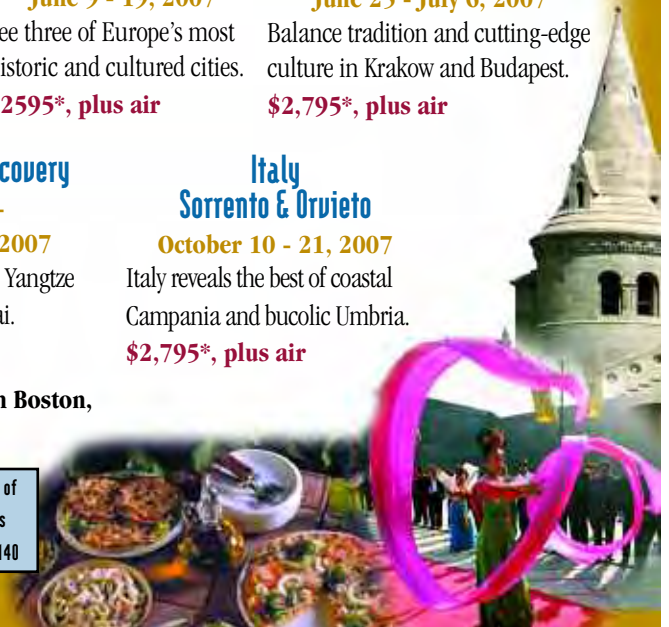
October 10 - 21, 2007

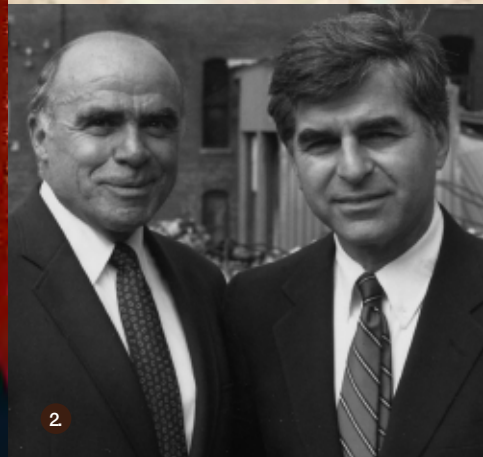
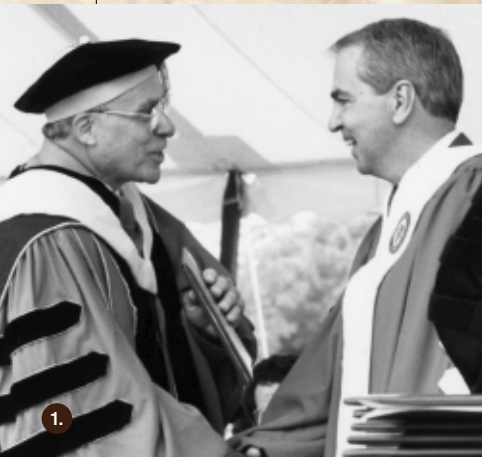
Italy reveals the best of coastal Campania and bucolic Umbria.

\$2,795*, plus air

***All prices are approximate per person, from Boston, based on double occupancy.**

For further information please contact University of Massachusetts-Lowell Office of Alumni Relations
One University Ave., Lowell, MA 01854 978-934-3140





THE HOGAN YEARS:

Four Decades of Reinvention

As Professor, as Dean
and Finally as Chancellor,
His Legacy Was Transformation

by Geoffrey Douglas



It was the fall of 1992, the start of William T. Hogan's 11th year as head of the University—though only his first as chancellor of the newly formed UMass Lowell. The region remained gripped by recession. All along Route 128, technology companies were laying off workers; Wang Laboratories, a month earlier, had filed for bankruptcy, threatening nearly 5,000 local jobs. Already, three years earlier, there had been layoffs at the University. State funding for public higher education had plummeted; the higher tuitions that resulted were driving enrollments down. It was a perilous time.



A young Dr. Hogan, then professor of mechanical engineering.

The new president of the UMass system was a man named Michael Hooker. In September of that year, only months after being hired himself, he issued a challenge to the University: to recast itself as an engine for the region, to marshal its educational, research and outreach resources to renew and sustain the local economy.

“There is an absolute need to produce a broad spectrum of very well-educated people, and to capture the talent in this state, educate it and keep it so we can compete with other countries.”

— William T. Hogan

It was to be Bill Hogan's finest hour. Calling on the century-old tradition of James T. Smith's Lowell Textile School—which had come into being as a means to revive Lowell's late-19th-century textile industry—he dedicated the University to a new vision: that of a sustainable regional economy, rooted in the development of a skilled workforce, working in safe, environmentally friendly plants to manufacture products that would be competitive in the larger world.

“There is an absolute need,” he said at the time in articulating this redefined mission, “to produce a broad spectrum of very well-educated people, and to capture the talent in this state, educate it and keep it so we can compete with other countries. The only possible chance we have of producing a robust economy over a long period of time is to produce a continuous, unbroken flow of young people in our professional work force who are both

well-educated and well-trained.”

The goal was met, then exceeded. Throughout the 1990s, in a myriad of projects and initiatives the University took on in cooperation with the city—the Riverwalk, LeLacheur Park, the Tsongas Arena, the Lowell Summer Music Series, the expansion of the Tsongas Industrial History Center—the Chancellor led the way in fostering a relationship that would become a driving, defining force in the growth of the Merrimack Valley.

And those were only the external measures. More quietly, on the campus itself, a series of research and economic partnerships were being formed that laid the groundwork deeper. The Centers for Regional Economic and Social Development (RESO), for Commercial Ventures and Intellectual Property and for Sustainable Production, as well as the Toxics Use Reduction Institute (TURI) and the Demonstration School, a tri-lingual elementary school

1. Dr. Hogan confers an honorary degree on the late U.S. Sen. Paul Tsongas for his leadership in Lowell's redevelopment.
2. Dr. Hogan with Gov. Mike Dukakis at a development site in the 1980s.
3. The Chancellor with Aaron Feuerstein of Malden Mills.
4. The Chancellor celebrates with a member of the Board of Trustees at the formal inauguration of UMass Lowell in the fall of 1991.
5. Dr. Hogan addresses the crowd outside Cunnock Hall at the formal creation of UMass Lowell.
6. Dr. Hogan, with Lowell City Manager Brian Martin, left, City Councilor Eileen Donahue and U.S. Rep. Marty Meehan, stands at the yet-to-be-developed Brownfields site in the early 1990s.

run in partnership with the city—each of these, separately and together, created a symbiosis between the community and the University that could have been forged in no other way.

As the Chancellor perceived it, there were two models for his mission. One was the old Textile School. The other—even more fundamentally—was the University of Massachusetts itself, created in 1867 as the Massachusetts Agricultural College, and charged at the time with the twin goals of training would-be farmers and advancing the limits of agricultural science. It was in that same role, adapted now to allow for modern technology, in which he saw the University.

“What I had always wanted to do,” he would say years later in reprising his thinking, “was to provide the leadership to recast Lowell in that model, only dealing with the technology of the day. Land grants [in the 1860s] built an agricultural economy. My real hope was that we could mimic that, reach out to make a difference.”

“He had a vision, and he kept a very close eye on it,” says UMass Lowell Interim Chancellor David MacKenzie, who took over the University’s leadership when William Hogan left in June and will remain until a permanent replacement is found. “There were people, over the years, who were ready to give up on this University, who saw it as mediocre and unable to rise to the task. And it had to be hard sometimes, to convince those people otherwise—it’s hard to herd all the cats in one direction....”

“But he made it happen. With his vision, and the force of his personality, he marshaled the forces, he silenced the skeptics—he put us in a position to be a force for the region, to be prominent in technology and the sciences for a long, long time to come.”

Others feel the same. “There is tremendous support for Chancellor Hogan from the local business community, from the



The Chancellor, with Gov. William Weld, right, and Lt. Gov. Paul Cellucci, at the UMass Lowell inauguration in 1991



The Chancellor with UMass Lowell professor and economist Michael Best, center, and U.S. Rep. Marty Meehan



7. Chancellor Hogan at a conference with alumni and business leaders Edson DeCastro, left, and Frank McKone
8. The Chancellor talking strategy with Gov. Michael Dukakis and Lowell City Manager James Campbell. Vice Chancellor Frederick Sperounis sits nearby

City of Lowell, regional leaders and others in the Merrimack Valley,” UMass President Jack Wilson wrote two years ago in an evaluation of the Chancellor. “UMass Lowell is seen as a vital, stabilizing presence in its region, one that works actively toward improving the quality of life.”

Hogan had been trained as an engineer. In the fall of 1963, with an MIT doctorate, fresh off a stint with the Army rocket development center—which followed two years with GE—he arrived at the Lowell Technological Institute, not yet 10 years old, as a professor of mechanical engineering. He moved up quickly: dean of the College of Engineering 10 years after his arrival, then, two years after that—when Lowell Tech merged with Lowell State College in '75 to create the University of Lowell—vice president of academic

“There is tremendous support for Chancellor Hogan from the local business community, from the city of Lowell, regional leaders and others in the Merrimack Valley.”

— UMass President Jack Wilson

affairs. Six years later he became ULowell president, which he remained through the next decade. In 1991, when the university joined the UMass system, he was named chancellor of the newly formed school.

For ULowell and for the region, those were times of unparalleled growth. With the arrival of Wang Labs in 1978 and the re-industrialization of Massachusetts, there had come a demand for engineers—and computer scientists, office managers, nurses, clinicians and programmers—the likes of which had never been seen in the Merrimack Valley. Between 1975 and 1985—the first decade in the life of ULowell—enrollment increased close to 60 percent while the engineering school more than doubled. By the end of the 1980s, applications had grown to more than 7,000 a year. The Graduate School, all the while, was growing as never before—from 242 master’s degrees in the first year of the Hogan presidency to 720 12 years later.

As the numbers rose, the quality of education more than kept pace. In

later. A year or two later, with the accrediting of Industrial Technology, every program in the College of Engineering—for the first time ever—held national professional accreditation.

And finally, in the fall of 1989, the attainment of among the dearest of William Hogan’s goals: the colleges of Liberal Arts and Pure and Applied Sciences—both designations left over from pre-merger times—were joined to form the College of Arts and Sciences, with a chemistry and a history professor as co-deans.

Then came the recession. Jobs left the area; education funding was cut, enrollments plummeted. At the University, in 1990, there were layoffs in nearly every department—the most painful series of decisions, the Chancellor would say years later, he ever had to make. So painful he took steps to ensure he would never have to make them again.

“It devastated him to do that, to let those people go,” remembers Superintendent of Grounds John Murphy. “He hated it—he told me so himself. But he had great foresight. Right then, he made arrangements to put money away to cover any [future] shortfall, so that when it happened again it wouldn’t cost anyone his job. And it never did...”

“He didn’t have to do that. As a working person, I really respected that.”

By September 1991, two years into the recession, when Gov. William Weld signed the bill that would give birth to the five-campus UMass system, it had almost become a matter of joining forces in order to survive.

But the chancellor envisioned something brighter than survival. The new merger, he wrote, would offer students “one broad comprehensive research university [to] support the entire spectrum of intellectual, academic, scientific and professional programs, giving students an opportunity to pick from a wide array and a high level of quality...”

Soon after came Michael Hooker’s challenge. Already by then, though, the first building blocks were in place: the Council for Regional and Industrial Development, to centralize research resources toward the goal of economic growth; the Institute for Plastics Innovation, the first research center in the U.S. dedicated solely to plastics technology. Later would come the Center for Advanced Materials, the Center for Health Promotions, the Center for Family, Work and Community, TURI, RESD and half a dozen more.

“Bill Hogan, despite all the economic problems and budget constraints, took this campus and made it into a world-class research university,” says UMass Lowell Provost John Wooding, who worked closely with the Chancellor during the final three years of his time here. “He gave us a mission—economic development—and a vision through which to achieve it—the land-grant tradition of service to the community. And then he applied his will and applied his focus, and made that mission happen.

“His vision was built around [the University’s] technical and engineering strengths. But he understood, through



9. The Chancellor sharing some laughs over lunch, with, from left, History Prof. Mary Blewett, and Joyce Denning and Dean Bergeron, professors emeriti.

it all, that that imperative would be fruitless without a robust social structure—that the community as a whole, with all its needs and problems, was far too complex to approach with simple technical solutions.



Dr. Hogan with his granddaughter, Ella Tomaino, a perennial presence in the Chancellor’s office in Cumnock Hall.

“That was Bill Hogan’s great strength—the articulation of this vision in focused and precise terms.”

There are two types of university chancellors, says Interim Chancellor MacKenzie:

“There are the coordinators, who hold things together, who make sure

the system works—and those are valuable functions. And then there are the actual leaders. William Hogan was a leader. He took charge. He had visions, and he found ways to make them work.

“I think this was how the Board [of Trustees] viewed him—as being a leader, as having a sort of CEO mentality—and it was why they respected him so much. He was a force. Not only for the University, but for the region as a whole.”

The recession of the early ’90s came and went. Well before the turn of the millennia, both the University and the region were again solidly on their feet—and William Hogan, by then approaching his seventies, was once again redirecting his focus. The Tsongas Center, a joint venture with the city, had been completed in 1998; four years later came the campus recreation center, a gleaming, state-of-the-art, \$20 million facility that added incalculably to the University’s drawing power. Then, earlier this year, came the

In honor of his 25 years of leadership, the University community has created the William T. Hogan Endowed Scholarship Fund, which will provide financial support for students from the City of Lowell and the Merrimack Valley. Those interested in contributing to this fund may call Danielle Covert at (978) 934-2218 or e-mail her at Danielle_Covert@uml.edu for additional information.



- 10. Sen. Ted Kennedy and Rep. Marty Meehan in an early photo with the Chancellor.
- 11. NBC executive Brandon Tartikoff, center, in a light moment with his father and Dr. Hogan.
- 12. Dr. Hogan with Ray Stata, chairman of Analog Devices.
- 13. Dr. Hogan, second from right, in an early photo with Treasurer Raymond Rigney, Dean of Students Mary MacGauvran, ULowell President John Duff and the late Everett V. Olsen, LTI president.
- 14. Dr. Hogan speaks, as the late Sen. Paul Tsongas, second from left, and U.S. Rep. Chet Atkins await their turn. Ed Pershey, first director of the Tsongas Center for Industrial History, is at far left.

announcement of a \$280 million plan for refurbishment and new construction, to include an \$80 million center for biotechnology and nanotechnology, a \$23 million parking garage and \$14.5 million for the renovation of buildings and dorms.

Academically, the initiatives have been at least as ambitious. Three years ago, in furtherance of the advances he had pioneered already, the Chancellor announced a three-year plan, launched officially last year, that will expand interdisciplinary teaching, promote interdisciplinary research and deepen the commitment to local communities and cultures. Known formally as the

Transformation Project and guided by a steering committee that includes the provost, associate provost and a cadre of UMass Lowell deans, the plan seeks new ways to organize and deliver knowledge; at the same time, it encourages focused research and promotes an updated, freshened image of the campus.

“It’s a bold plan, with enormous energy behind it,” says Provost Wooding. “Through it, he has charged us with taking his vision to the next level—the transformation of our curriculum and pedagogy in such a way as to attract students and scholars, who, hopefully, will be drawn to the depth

of our understanding of the world’s complexities.”

UMass President Wilson, speaking at the reception held last June in Alumni Library to honor the Chancellor and bid him farewell, put it more prosaically:

“He kind of invented this place,” Wilson told the crowd. “And then he reinvented it, and then he reinvented it again. And more recently he has reinvented it again.”

Wilson Cites Interim Chancellor MacKenzie's Dedication to Public Service

In appointing David J. MacKenzie Interim Chancellor of UMass Lowell following the retirement of William T. Hogan earlier this year, UMass President Jack Wilson said MacKenzie “has dedicated himself to public service and has always served with great distinction. I have complete confidence in his ability to keep UMass Lowell moving in the right direction.”

Commenting that Hogan left “big shoes to fill,” MacKenzie said, “I am honored and excited to accept this post. I have the utmost respect for what a great institution this is.”

MacKenzie, who lives in Wayland, was executive director of the UMass Building Authority before being named to head the Lowell campus on an interim basis. In that capacity, he was engaged in the development and construction of 37 projects consisting of dormitories, parking garages, academic buildings, power plants and athletic facilities for the five-campus system.

He has a bachelor's degree from Wesleyan University, a master's from Stanford University and a doctorate from Northeastern University Law School. He joined the UMass system in 1999, serving as vice chancellor for Administration and Finance at the Boston campus, then as interim chancellor in 2001 before Jo Ann Gora was named Chancellor. From there, he accepted the Building Authority post.

“We were looking for someone to come in and absolutely professionalize it,” Wilson said. “We asked David to take that position . . . and he did a terrific job.”

While MacKenzie serves as interim head of UML, a committee appointed



An initiator and enthusiastic supporter of campus events, Chancellor David J. MacKenzie kicked off a charitable jack-o-lantern extravaganza by carving the first pumpkin in front of Cumnock Hall.

by Wilson is seeking a permanent Chancellor for the campus.

The committee is chaired by UMass Trustee and UML alumnus William O'Shea, former executive vice president of Lucent Technologies and president of Bell Labs. The members include Chancellor MacKenzie and faculty members Susan Braunhut of Biological Sciences; Julie Chen of Mechanical Engineering; Kay Doyle,

“We were looking for someone to come in and absolutely professionalize it; we asked David to take the Building Authority position . . . and he did a terrific job.” — Jack Wilson

chair of Clinical Laboratory and Nutritional Sciences; Anne Marie Hurley of Mathematical Sciences; and Steven Tello of Management. Administration members include Athletics Director Dana Skinner and Associate Vice Chancellor Joyce Gibson. Also serving are Lowell Mayor William Martin, area business executives and a local community representative. Representing the UMass President's Office are James Julian, executive vice president,

and Keith Motley, vice president of business and academics.

For a complete list, visit www.massachusetts.edu/search/committee.html.

MacKenzie says, “UMass Lowell offers programs recognized globally and is committed to sustainable economic development locally. The committee appropriately reflects this range. From international business leaders

to the UMass Lowell student trustee, all are outstanding representatives of their constituencies.”

There is no definite timetable, although Wilson has said that the search is likely to take seven to 12 months.

At the completion of the search process, the committee will provide Wilson with a final list of candidates. He will then recommend a candidate to the UMass Board of Trustees.

Chancellor MacKenzie Sets Goals for Academic Year

Following meetings over the summer with administrators, faculty and staff, Chancellor David J. MacKenzie put forward 14 goals for the campus for the coming year.

The first—"strengthen the start-of-school formalities"—was achieved in rousing fashion in September when incoming freshmen packed Durgin Hall for a spirited event in which a number of speakers rallied the new students, urging them to make the most of their years at UML.

"I encourage you—no, I implore you—to go beyond the academic and become fully engaged in the UML experience," MacKenzie told the members of the largest incoming class—1,184—in recent years.

Pep talks also were delivered by Management Dean Kathy Carter, Dean of Students Larry Siegel, Student Trustee Heather Makrez and Bert Jacobs, co-founder of Life is Good, a company that markets

In addition to strengthening school-opening formalities, MacKenzies' goals include:

- Revise and balance the budget process and results
- Make strategic faculty hiring decisions
- Complete siting and schematic design of the Nano-Bio Center
- Search for and hire a new chancellor
- Study and target retention activities
- Improve campus IT wiring
- Conduct collective bargaining negotiations
- Address internal charging systems for trust funds, etc.
- Create Focus Transformation Plan: cost estimates
- Proceed with renovations including boathouse
- Establish Title IX compliance plan
- Make strategic improvements in diversity at the University
- Produce white papers for next chancellor

clothing, jewelry and other gear sporting inspirational messages.

MacKenzie's other priorities run the gamut from budgets to the improvement of the campus's information technology.

When he first introduced the list of goals, he called it a "working document," saying it may be necessary

to add another item or two.

"I believe it's important to have common, achievable goals for the campus to meet over the next 12 months," he said. "Achieving these will prepare the University for its transition to permanent leadership—and will keep me focused on what we can accomplish during my year here."

Search Committee Considers Candidates for UML Chancellor Post

A 21-member committee, established in August by UMass President Jack Wilson to search for a successor to Chancellor William T. Hogan, conducted a number of meetings and hearings during the fall semester.

The committee, chaired by UMass Trustee William O'Shea, is made up of trustees, faculty, staff and community leaders. The panel has chosen David Mead-Fox of Korn/Ferry International as a consultant. Korn/Ferry specializes in corporate board, CEO and executive recruitment.

At the campus information sessions, the committee asked attendees to offer their thoughts on qualifications for the next chancellor, and asked them to share their perspectives on issues facing the campus. Community viewpoints also have been solicited.

"We're getting constituent input from the campus and the entire community and are putting it all together," said O'Shea.

O'Shea explained that the panel will gather a slate of candidates, both from those who apply and those that the committee approaches. The committee will conduct interviews and submit the names of the finalists to Wilson for a final decision and vote by the UMass Board of Trustees.



William O'Shea, UMass trustee and search committee chairman.

Physical Therapy Department Celebrates 25th Anniversary

By Jack McDonough

Joe Dorsey Saw Himself in 'The Kids' for Whom He Created the Program



In one of the department's earlier years, Prof. Joseph Dorsey demonstrates the operation of an aqua therapy device. This piece of equipment is no longer part of the department's modern inventory.

“Lowell,” says Joe Dorsey, “was the only place that would talk to me.”

What Dorsey wanted to talk about was establishing an affordable physical therapy program to serve eager students who didn't have a lot of money.

At the time, back in the mid-1970s, he was chair of Physical Education at Boston State College where he had been a faculty member since 1968.

“The kids wanted to take physical therapy and I looked for a place to start it,” he says. Boston State didn't have the funds or facilities for such a program. Three schools in the Boston area did have programs but they were private institutions and the tuition was more than Dorsey's students could afford.

“I thought of my own background, when I had no money and wanted to go to school,” says Dorsey, who grew up in a hardscrabble neighborhood in Baltimore, one of eight children. After graduating from Douglas High School, he joined the Marines, served a tour of

“I did it because of the kids, they wanted it and I could see myself in them,” says Dorsey.

duty in Korea and then used the GI Bill to finance his undergraduate education at Springfield College.

After unsuccessfully trying to interest the UMass Medical School in a PT program, Dorsey contacted Trudy Barker, dean of the College of Health Professions at the University of Lowell. She was receptive to the idea and, in 1976, Dr. Joseph Dorsey (who, by that time, had a master's degree in education from Northeastern and a doctorate in exercise physiology and kinesiology from Boston University) came to Lowell to establish a physical therapy program.

The first class—22 students—enrolled in 1977. Dorsey directed the

program, hiring Gail Harris in 1979. The following year he hired two more faculty members, Barbara Cocanour and Linda Kahn-D'Angelo, both of whom are still with the program as full professors.

The first class graduated in 1981 with bachelor's degrees after earning between 140 and 150 credits, considerably more than most other degree programs.

“I did it because of the kids,” says Dorsey. “They wanted it and I could see myself in them. They had no money and that motivated me. They worked hard. They were great kids.”

No doubt the “kids” also thought Dorsey was great. He created an affordable degree program for them and, over time, raised it to the graduate level. Finally, before retiring in 2002, he established the doctoral program in physical therapy (DPT).

Dr. Susan O'Sullivan, now chair of the Department of Physical Therapy, explains that the move to the post-baccalaureate level began in the 1980s

with the increase in faculty base, facilities and clinical affiliations. The first class of entry-level master's students arrived in 1990 and, 12 years later, physical therapy became a doctoral program.

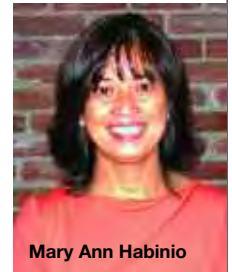
UMass Lowell is still the only public institution in Massachusetts to offer a degree program in physical therapy.

“Nationwide, there has been a plan to move the program to a clinical doctorate,” O'Sullivan says, “to make it consistent with other professional programs such as optometry, podiatry and pharmacy. There are seven physical therapy pro-

grams in the state, and we were one of the first to do it.”

Physical therapists work in hospitals, outpatient settings, schools and private practices, she says, adding, “We've had alumni in just about every area of the profession.”

One of those alums is Mary Ann Habinio, the chief physical therapist at Lawrence General Hospital. She had taught school in Chicago and Andover but wanted to change careers to something in the health field. The idea of physical therapy appealed to her and, despite having to care for three school-aged children, she enrolled in the full-time program at UML.



Mary Ann Habinio

She also had applied to Boston University's program but Lowell was more convenient and, “Besides,” she says, “my student loan was a lot less at UML.”

“My professors were all fabulous experts in their fields, knowledgeable and interesting individuals. I felt well prepared for the licensing exam and equally confident that I would land a job without any problems after graduation.”



Steve Coppola



Joining Physical Therapy Department founder Joe Dorsey, fourth from left, at the department's 25th anniversary celebration were, from left, Louis Coiro '82 and Becky Meier Dempsey, Kathleen Maffa-Krailo and Ginny LaFreniere, all from the class of 1981, PT's first graduating class.

In addition to PT, the University also offers an undergraduate program in exercise physiology (EP), the study of the influence of exercise on the functions of the human body. Up to 60 percent of the students in physical therapy come through the exercise physiology program.

Steve Coppola, who completed both undergrad EP and graduate PT, says, "I got one of the best educations a student could ask for, with the topping being

"Professors like Susan O'Sullivan and Barbara Cocanour and others gave me tools beyond what an average graduate physical therapist had." — Steve Coppola

that it was affordable. I was able to pay off my loans in five years when most of my friends were still deep in debt.

"Professors like Susan O'Sullivan and Barbara Cocanour and others gave me tools beyond what an average graduate physical therapist had. I felt prepared going out into the real world and being effective at making a difference in a patient's health and wellbeing."

Coppola opened a clinic in Concord, N.H., in 2004 and a second one 18 months later in Manchester. He named the "tremendously successful" Concord clinic in honor of his late brother Andrew, an electrical engineer-

ing alumnus who "believed wholeheartedly in what the University could help one achieve" and who supported the school financially.

In October, the Department of Physical Therapy celebrated the 25th anniversary of its first graduating class with a reunion celebration at the Brewhouse Cafe and Grill in Lowell.

In a letter of invitation, signed by all 10 faculty members, the department announced the formation of the

Physical Therapy Alumni Scholarship fund. The monies raised will be used to support graduate education students in the DPT program, with eligibility based on need and the potential for leadership in the profession.

Speakers at the event included Professor Emeritus Dorsey, Prof. O'Sullivan and Pauline Ladebauche, director of Academic Administration in the School of Health and Environment, representing Dean David Wegman.

In discussing the program in the weeks leading up to the celebration, O'Sullivan pointed out that the program's development has matched national trends, in that it has moved from a bachelor's to a master's to a doctoral level; that 98 percent of graduates passed the national licensure exam in the most recent three-year reporting period; and that every student has found employment within six months of graduation.

"We have an excellent program here and we have excellent students. And we have a quality product that we, the faculty, are very proud of," she said.



Celebrants at the PT anniversary event included, from left, former Chairman Joe Dorsey; Jan Stecchi, former dean of the College of Health Professions; Department Chair Susan O'Sullivan and Pauline Ladebauche, director of Academic Administration in the School of Health and Environment.



Doug Prime, left, and Fred Martin have teamed up with Michelle Scribner-MacLean on a new educational outreach project.

By Sandra Seitz

Collaboration + Inspiration = Multiplier Effect

Here is the recipe for educational outreach with maximum effectiveness:

- Take two 30-something guys who are still kids at heart.
- Add advanced degrees and intellectual rigor.
- Add one or more collaborators with equal energy.
- Stir together until ideas ferment and fizz.
- Season with experience.
- Heat with ample funding.
- Stand back! The brew can be both intoxicating and addictive.

Fred Martin, assistant professor in the Computer Science Department, and Doug Prime, director of K-12 outreach for the College of Engineering, are the crazy duo of creativity. Sometimes they call themselves Frick and Frack, and being with them can be as exhausting and exhilarating as watching an Olympic-class ping-pong match.

They finish each other's sentences.

They carry on a running debate about project-based pedagogy: basic instruction before the design problem?

Or turn the kids loose and add information as needed?

And they are very, very effective at what they do.

For their latest endeavor, they have teamed up with Michelle Scribner-MacLean, visiting assistant professor of science and math education at the Graduate School of Education, and have won a \$1.3 million grant from the National Science Foundation (NSF) for a project that supports online engineering design programs for students in Lowell, Lawrence and Boston.

Scribner-MacLean balances the team with an emphasis on assessment. She talks comfortably of summative assessment—"at the end of the project, a snapshot of skills learned;" formative assessment—"during the project, in order to differentiate instruction, refine the goals and enhance the individual learner's experience;" and embedded assessment—"items or activities that collect information about student mastery of the skills you're trying to teach."

Prime and Martin joke about what to call her within the team—"She's our conscience." "Maybe she's our super-ego." "We call her the glue." Scribner-MacLean takes it in stride, saying, "They're so great at brainstorming—it's never boring to work with them."

In all their educational outreach and research, separately and together, both Martin and Prime emphasize the messy and chaotic nature of scientific investigation, in which curiosity leads to

questions and investigations, and the answers are not known in advance. This is very different from what Martin refers to as the “confirmation experiments” that are so common in science classes, where the experiment simply verifies a known scientific principle.

“Science is rigorous, but not orderly,” says Martin. Scribner-MacLean agrees. Besides teaching courses in elementary math and science education, she serves on the fifth grade MCAS committee for the state.

“About 25 percent of the MCAS test is composed of questions in science, technology and engineering,” she says. “But teachers are afraid of this area. They’re concerned about their knowledge base, that they don’t know enough. Really, science is mostly about asking questions and exploring for answers, so we need to get people comfortable with the messing around aspects of science.”

“Messy” is a good description of the origins of the project that was just funded by NSF; the story is, perhaps, an object lesson to other bright young researchers with good ideas.

It started with Mister Cricket, an animatronic construction of Prime’s that is based on the Cricket processor, a device that Martin co-invented at MIT. In a sense, Mister Cricket embodies the Martin-and-Prime partnership, and the admiration they have for each other. Says Martin, “I was impressed by the talent Doug has using just craft materials to make something that really works.” Says Prime, “I loved the Cricket! It’s so simple to use, even fifth-graders can do the programming.”

One night, Prime dreamt that Mister Cricket was part of a TV science show that introduced kids to hands-on invention. He shared the dream idea with Martin and Scribner-MacLean and soon they had crafted an ambitious proposal to NSF involving a television

show, after-school clubs and an interactive community of learners—even a full-scale assessment plan.

Scribner-MacLean says, “It was all passion and excitement and pie-in-the-sky. We were going to create this wonderful hands-on science program. We were flying high.”

Says Prime, “Then NSF just absolutely pummeled our proposal—though I still think it was a great project.”

Scribner-MacLean says, “Well, the best thing we did was all three go to Washington and talk to the NSF people directly. They critiqued it kindly and told us to focus on one area, on a smaller project. At the time, though, we were pretty depressed.”

With NSF encouragement, the team took stock and developed a new, more modest proposal that was successful. With Martin as principal investigator, they have obtained a three-year, \$1.3 million grant for a project named “ICODE, Building an Internet Community of Design Engineers.”

The project is an innovative plan for expanding after-school science and technology education, working both with school systems and with commu-

“We want to teach kids what engineering is—it’s fluid, ever-changing and creative.” — Michelle Scribner-MacLean

nity groups such as Girls Inc. and the Boys and Girls Club. The online system will support engineering design programs for students in grades 7 to 12, reaching more than 175 students from Boston, Lowell and Lawrence over three years.

UMass Lowell is partnered with Machine Science Inc., a non-profit educational company in Boston that has developed high school-level programs using an array of project kits and on-line resources. The students use hardware and software to



“It’s a running battle,” says Martin, right, “but friendly” as he and Prime argue about the balance of instruction and exploration in the workshops.

create modern electronic equipment, controlled by microprocessors.

The partnership with Machine Science adds a unique capability, according to Martin.

He says, “The founder of the company, Sam Christy, is an inventor and totally self-taught in electronics. He’s developed an on-line technology with linear learning modules that are integrated with active programming. You can type code on the website and the project resides on your desktop computer. It’s unique—nothing else does that.”

The activities will combine on-line content with sets of materials on-site.

The project modules will begin with rather detailed directions for hands-on learning, leading gradually to more open-ended projects, as students and teachers develop their skills and knowledge. Through the website, students can share project ideas, upload designs and stories, critique the work of others, look for feedback and ask for help in solving problems—becoming, in effect, a community of design engineers.

“We want to teach kids what engineering is,” says Scribner-MacLean. “It’s fluid, ever-changing and creative.”

Creativity Loves Company

Fred Martin and Doug Prime are the first to point out that research and outreach are team endeavors.

Prime got Martin involved in DesignCamp and together they've developed and led workshops called Animatronics and Tech Creation; they have plans for a new one on wearable electronics—a sort of high-tech fashion. Martin got Prime involved with a research group at the University of Bremen and together they run workshops on the connection of computer science, education and fine art; they are helping the German group start a DesignCamp program.

Each has worked with other faculty, staff and community organizations to develop and sustain projects. Each has inspired the efforts of teachers and caught the attention of grant-funding agencies, foundations or philanthropists.

Some examples:

Artbotics—an NSF-funded project (begun in 2006) led by Asst. Prof. Holly Yanco of the Computer Science Department, with Fred Martin, Asst. Prof. HyunJu Kim of the Art Department and Jerry Beck, director of the Revolving Museum. The project includes summer and after-school programs, and new undergraduate courses. Prof. Linda Silka, director of the Center for Family, Work and Community, the project evaluator, wrote: *"Imagine a group of diverse students (high school, college, art, computer science) all coming together to find new ways to bridge the gap between computer science and the arts. Only with the creative leadership of talented faculty like the Artbotics team would it be possible to design experiences for students that enable them to envision new opportunities."*

DesignLab—an after school program (started in 2003) of hands-on design activities—is the model for a program of state and national dissemination. The replication program will include technology invention kits, instructional DVDs and web-based support for teachers. Expansion funding comes from the Noyce Foundation, the Board of Higher Education and private contributions.



Entrepreneur Mark Gelfand, seated right, with Doug Prime, left, and Provost John Wooding, has made a philanthropic commitment to DesignLab.

Mark Gelfand, entrepreneur and co-founder of Intex Solutions Inc., has committed a total of \$280,000 over five years in personal contributions to the project. Gelfand keeps pictures on his cellphone from his visit to DesignLab and says, "They're to show people what I want to do for kids, so they can design, create and build. Creativity is not just about art and culture, it's about science and problem solving, about using instruments to learn beyond their own senses. I want kids to be more grounded, more exposed to the complicated world around them."

Some of the DesignCamp workshop sessions are reserved for "girls only."



In DesignCamp—a summer program started in 2000 with just 55 students—Prime taught all four weeklong workshops himself. Since then, DesignCamp has served 7,000 youngsters, has reached a steady level of corporate and foundation funding and has taught 100 teachers in Introduction to Engineering courses funded by Raytheon. DesignCamp High Tech was added to reach more advanced high school students.

Best of all, teachers, students and their parents love it: *"I can't wait to go to college and learn all about this stuff."* *"I like how you could think of something, then build it. It was a lot of fun."* *"My kids loved the camp and were inspired to continue projects at home."* *"It was so involved and interesting that my son wished he could stay into the evening—he said the day felt like two hours long."*

Joe and Sandy Gandolfo, right, followed closely by son Dave Gandolfo and wife Andrea, as participants in the Kyle Petty Charity Ride Across America three years ago.



Joe Gandolfo: Biking the U.S., Traveling the World—But Never Far From His Roots

by Geoffrey Douglas

His two favorite subjects, it seems, are his days as a kid in Swampscott (“We played a lot of stickball, had a lot of fun”) and the motorcycles that are his passion today. But the route Joe Gandolfo has carved between the two is a story all its own—with as many switchbacks and diversions as the odyssey he’s just completed on his Harley.

He grew up in Swampscott’s Italian section, where his dad owned a used-car lot, then a cocktail lounge. He attended Holy Family Church just across the line in Lynn—where he met the woman he would marry—put in his four years at Swampscott High, then left to attend a technical college in Boston. He struggled there, he says (“I wasn’t much of a student”), and left two years later without a degree. That could have been the preface to a life—it has prefaced many others. Instead it marked the first big turn in the road.

He came to Lowell Tech for an interview, where he was told he could have a place in the freshman class but next

to no credit for his two years in Boston. He took the deal: wrote off the two years and began again from scratch. To cope with the financial end of things—there had never been a lot of money—he took a job as Smith Hall floor proctor, which lowered his tuition by half. A year later, he was made head student proctor—living now in Eames Hall—then resident proctor, with responsibilities for every on-campus dorm.

In the meantime he’d gotten married—which you’d think would put a damper on dorm life. But no. His new wife, Sandy, by midway through junior year, was Eames Hall’s “unofficial mother hen.”

As before, he struggled as a student. This time, though, he prevailed. By the time he graduated in the spring of 1966 with a degree in electrical engineering and a job offer from GE, he had made the Dean’s List twice.

The story of Joe Gandolfo’s successes after college has been told in these pages already (Fall 1999). Twenty-four

years with GE, during which he worked—depending on how you count them—nine different jobs in five states, and rose from line worker to general manager of North American manufacturing, responsible for the production of every TV set under the GE and RCA labels built anywhere on the continent. Then 10 years with Mattel, where, as president of worldwide manu-



Joe, flanked by his sons, Dave and Steve, celebrates the Patriots’ victory at the Super-Bowl in Jacksonville, Fla., in January 2005.

facturing operations, he was responsible for the output of some 2,400 products in 18 plants in seven countries, accounting for \$5 billion in sales.

Today he is happily—though not all that tranquilly—retired. As of press-



Joe, second from right, with his sons to his right, and several fellow bikers, somewhere near Jerome, Ariz., in November 2005

time for this magazine, he and Sandy had just returned from a 14-day safari in Kenya; not long before that, he finished a 7,600-mile trip on his Harley: from Idaho cross-country to North Carolina, back across to South Dakota before heading west to Vancouver and finishing in Washington state. It's a trip, for some, that would last a full summer. It took him 25 days.

One of Gandolfo's great joys, he says, is the bike trips he takes with his sons, Dave and Steve. As of early October,

“I was a working-class kid. Without Lowell Tech and what I learned there, there's no way I would have had the success I've had in life.”

he was days away from embarking on another of these, this one a road-trip to Phoenix, which, as the crow flies, is roughly 200 miles from his home: “But we'll be covering close to 1,600 miles—because it's not about the distance or the destination. The fun is in the trip itself.”

When he isn't on his Harley or somewhere on the other side of the world, he's apt to be in his motorcoach, with Sandy and the grandkids—he has two—cruising the highways between campgrounds or national parks. Or he'll be dirt-biking with the family, often an adjunct to the motorcoach trips. Or he might be on the golf course: the Thunderbird Country Club in Rancho Mirage, Calif., where he lives just off the 14th hole.

“I like to travel,” he says. “And I enjoy golf. And I like to stay busy when I can. But motorcycles are my passion.

If you forced me to choose between golf and my Harley, the Harley would win every time.”

But there's more to life for Gandolfo than golfing or safaris or buzzing around on bikes. When he isn't traveling, he's apt to be sitting in on a board meeting somewhere—he's on the advisory board at the UML Engineering College and at Teradata, a division of NCR, and a member of the board of directors of Red Envelope, an Internet company. And his generosity isn't all reserved for his

grandkids: four engineering students at UMass Lowell today are here at least partly on his tab, and the number could be rising.



Joe Gandolfo and his family at a recent gathering at his home in California: Joe is in the rear, holding grandson, Tyler, with his wife, Sandy, to his right with grandson Travis on her lap; his son Dave is at right next to his wife, Andrea; his other son, Steve, is in rear, with his wife, Jean, on the arm of a chair.

“I was a working-class kid. Without Lowell Tech and what I learned there, there's no way I would have had the success I've had in life. And more and

more as time passed, I was feeling the need to give back.”

The giving got started in the late nineties, with a gift from Mattel, of \$5,000, to replenish the student emergency-loan fund, which, for personal reasons was dear to Gandolfo's heart. It then continued a year or so later with his own gift, a scholarship funding of about \$35,000. Since his retirement in 2000, the pace has picked up: there is roughly \$150,000 in the fund today, the interest from which defrays \$1,000 of the tuition payments of each of the four students—all of whom are from Massachusetts, and from, or near, the North Shore.

“It's always seemed to me that the University's philosophy has been kind of directed toward the middle-class, the working class. I appreciate that. The kids who benefit from what we give are kids like I was, North-Shore, working-class kids who would have to really scratch to raise the costs of tuition. So the \$1,000 can make a real difference in their lives.”

He is not a man whose rise through life has caused him to part ways with his past. His post on the engineering advisory board keeps him in regular touch with the University. He remained close to his old Lowell Tech friend Len Shaevel, a fellow resident proctor, until Shaevel's death 15 years ago. And the next trip he has planned is to the island of Kauai, where he'll go with an old Swampscott buddy who retired recently himself—as fire chief for the town of Swampscott.

And if you ever needed to know what he once did for a living, you could just consult the plates on his Harley—“TOYMKR”—although that will be changing soon, in deference to his retirement. The next time he registers a new bike, his status in life will be officially updated:

“XTOYMKR.”



1. Alumnus Frank McKone '56, left, and Tonita McKone welcomed UMass Lowell Chancellor David MacKenzie (not pictured) and UMass President Jack Wilson to their home on Cape Cod for an alumni gathering this past July.



2. Cape Cod alumni enjoyed a clambake at the home of Frank and Tonita McKone. Seated, from left, are Paul Werzanski '67, Margo Werzanski, Prof. Krishna Vedula, Aruna Vedula, Nicole Picciotto and Jim Picciotto '84.



3. Joe Blonski '78 and Debbie Hauser '80 were among the Northern California alumni gathered at a Red Sox vs. Oakland game on Aug. 28.



4. Southern California alumni gathered to cheer on the Red Sox during a game against the Anaheim Angels on Aug. 24.



5. Class of 1956 reunion committee member, Bernie Shapiro, welcomes back fellow classmates to campus for their 50th college reunion.



6. State Teachers alumni, and husband and wife team of Arlene Orenstein Forte '56 and Daniel Forte '57, enjoyed their return to campus for the reunion festivities, which included a campus tour and homecoming luncheon on Saturday, Oct. 14.



7. Reunion alumni MaryJo Roberto Spinola '66 and Frederick Obear '56 chat at the homecoming luncheon, held at the campus recreation center.



8. Class of 1956 reunion committee members presented the University with a check for more than \$500,000. This gift is the total giving from members of the classes of 1956 and 1966 over the last year and a half. From left, are Brian Andriolo, associate director of Development, Patricia Regan Howe, Gerald Gallagher, Clementine Flomp Alexis, Jane Fredette Gallagher, Barbara Fairbanks FitzGerald, Irene Beaupre Harrington, Fred Obear, Frank McKone and Bernie Shapiro.



9. Jane Fredette Gallagher '56 receives her reunion diploma from Interim Chancellor MacKenzie.



10. Gil DiLoreto '56 State Teachers joins the band for a crowd-pleasing number.



11. Reunion alumni enjoyed dinner and dancing at this year's celebration. Seen here on the dance floor are Richard Hoeske '66 and Chris Hoeske.



12. Members of the Class of 1956 State Teachers College at Lowell celebrated their 50th college reunion during fall festival weekend.



13. Members of the Class of 1956 Lowell Technological Institute get together again for their 50th college reunion.



14. Members of the Class of 1966 Lowell Technological Institute celebrated their 40th college reunion.



15. Members of the Class of 1966 Massachusetts State College at Lowell at their 40th college reunion celebration.

Lowell City Manager, a '78 Political Science Grad, is Committed to Professionalism, Fiscal Restraint

“Government is a business,” Bernie Lynch told reporters not long after he took over the reins as Lowell city manager late last summer. “It’s the *people’s* business. We have a responsibility to make sure every dollar spent is maximized.”



Bernie Lynch, ULowell '78, the new Lowell city manager

So far he has remained true to that credo. Less than three months into his tenure at City Hall, Lynch, a 1978 ULowell graduate, has managed to ease worries of a major purge, at the same time tightening the city’s purse strings and telegraphing his intentions to make his administration accessible.

Only a week into his new job, Lynch reversed a predecessor’s stricture on city employees talking to the press; at the same time, he made plain his intention to make appointments based solely on

experience, pre-empting any expectations of City-Hall cronyism. Two months later, he announced he will cancel health-insurance benefits for members of appointed boards and commissions, saving the city as much as \$300,000 a year—a controversial move, but one that seems in line with paring a \$5.3 million deficit.

Lynch, who comes to the Lowell job following 20 years as Chelmsford town manager, has earned a reputation for fiscal restraint and open government—as well as innovation, simple efficiency and a sometimes-fearsome game of golf. His legacy of accomplishments in Chelmsford is impressive: the consolidation of town government, construction of a new senior center, police station and library, the redesign of the town center. And all of it done without patronage, and

within a structure Lynch refers to as a “culture of professionalism.”

“We never played the political hiring game in Chelmsford,” says a long-time Chelmsford selectman who was among those who hired Lynch to his former post. “Politically, getting away from that is the best thing in the world for everyone. Bernie [as Lowell city manager] will get away from that.”

Lynch, who continues to live in Chelmsford with his wife, Gina, and youngest son, Peter, earned his ULowell degree in political science, then went on to earn a master’s degree in public administration from UMass Amherst. Dean Bergeron, an emeritus UMass Lowell history professor, remembers him well:

“He was one of those that you just knew—this kid is going to be successful at whatever he decides to do.”

Two UML Faculty Members Selected for Special System Recognition; Profs. Ting and Duffy Win President’s Award for Public Service

Two UML faculty members, among only six across the entire UMass system, have won the President’s Award for Public Service.

They are John Ting, dean of the College of Engineering, and Prof. John Duffy of the Mechanical Engineering Department.

Ting was recognized for his outstanding record as a scholar and a leader, and the significant effort he has made to obtain external research funding. Duffy was honored for his global outreach and advocacy in the fields of solar power and sustainable energy use and design.

The awards were presented in December at The University of Massachusetts Club in Boston.

In announcing the selections, Interim Chancellor David J. MacKenzie said, “I extend my sincere congratulations to Prof. Ting and Prof. Duffy for this special award and their outstanding service to the University.”



John Duffy



John Ting



Gertrude (Trudy) Barker, First Dean of Health Professions

Getting bodies – dead ones – was the perhaps the biggest challenge Trudy Barker faced during her 14 years at Lowell.

But she had problems with live ones, too, including doctors, administrators of competing institutions and even a building maintenance man.

She prevailed in the end, however, establishing the University's Nursing Program, becoming dean of Health Professions and, ultimately, gaining the respect of peers who had once subjected her to bedpan jokes in the cafeteria.

Gertrude F. (Trudy) Barker, who retired from the University of Lowell in 1981, died Nov. 14 at the age of 89.

Born in Swampscott, the daughter of a real estate salesman, her dream of a college education died with the stock market crash of 1929 and the Great Depression that followed. She had to settle for a three-year nurse training program at Salem State Hospital.

"Nobody would have believed what we went through," she said in a 1988 University of Lowell Magazine interview. "We worked 12 hours a day, six days a week and a half-day on Sunday. We just worked like slaves. . . . When a



Gertrude (Trudy) Barker

doctor came on the floor, we all jumped up out of our chairs and stood at attention. . . . If you dropped an instrument or anything in the operating room, they would scream and throw things. . . . They were terrible to us."

Trudy Barker survived that "terrible" experience, graduated in 1938, married and had two children. She worked occasionally as a private-duty nurse and, later, when the family moved to California for a short while, as a doctor's assistant in a small clinic.

Once back in Swampscott, she enrolled at Boston University and, with the help of scholarships, earned both a bachelor's and a master's degree. After teaching nursing at Lynn Hospital and at a diploma school in Maine, she was accepted into the Health Education doctoral program at BU where she encountered opposition from men in the program.

"You're married; you've got a family; you're just fooling around. You're not going to use this degree," she said they told her. They were wrong.

Barker was awarded a doctorate in 1967 and received a call from Daniel O'Leary, president of Lowell State College, who wanted her to establish a baccalaureate nursing program at the school. This initiative, said Barker, met opposition from Lowell General Hospital, which had its own program. Still, she persevered.

"I needed new faculty, new equipment and more money. The whole state college was run on a shoestring," she said. She credited O'Leary with being very supportive, but added, "If he did get upset, it was over money."

On another front, Barker said, "I had

“You’re married; you’ve got a family; you’re just fooling around. You’re not going to use this degree,” Trudy Barker said they told her. They were wrong.

to fight against the isolation of nursing majors from other undergraduate students. They wanted to put all the nurses in one English class, all in one history class, because it would be easiest to program their schedules that way. I fought and fought against that because that is not what the students came to college for; they might as well be in a hospital setting.”

While the trend in nursing was toward a baccalaureate degree, she said, “The East was very slow changing. The doctors were the worst. They said, ‘We don’t need anybody who’s going to tell us what to do. We just need somebody we can control.’ So the doctors were very apprehensive about any nurse coming in who knew anything beyond routine nursing procedures.”

Recruiting faculty for the new program was a problem, too.

“The No. 1 difficulty was the location of Lowell State,” she said. It’s just that much farther from Boston that people had to have great incentive to come. And it was a new program, too much work, too much worry, too much responsibility.

“My best move was to hire May Futrell.”

Futrell didn’t have a doctorate at the time but she had nine years of baccalaureate experience at BU and, said Barker, “the minute the state board heard that May Futrell was in the program they gave us certification with open arms. She was a life saver.”

Even though Barker had a doctorate of her own, she said she found the faculty and administrators condescending to her as a nursing educator.

“When I first came that year I would go to lunch in the college cafeteria, all I heard was, ‘Pass the bedpan’ and ‘Will you take my temperature. I don’t feel well.’ . . . It was all those jokes about nursing that make you feel sort of inferior. It was humor but it was a putdown.”

The Nursing Department was first set up in Concordia Hall but it outgrew those quarters in about three years and moved to a house on Wilder Street.

It was there that the maintenance man said, “Now I’ve left all the mops and all the brooms and the equipment in the closet and you girls can take care of the building.”

“That was just so typical,” said Barker, “because we were all females. I said, ‘Look, if there were all men here, would you ask them to clean the building? Of course you wouldn’t. That’s ridiculous. We’re not doing anything.’ ”

Eventually, the Nursing program moved to the newly built Weed Hall.

“The demand for the program kept growing and we were turning them away,” she said. There was a terrific demand for physical therapy because there were always jobs for them.

“The biggest stumbling block in my whole 14 years was the difficulty in getting a cadaver for the dissection required by the physical therapy program. Not one medical school in the United States would let us have a cadaver.”

In the end, Barker had to go to all the funeral homes in Lowell to find someone who would donate a body. She eventually found a case in which the family of the deceased didn’t have the money to finance funeral services. An agreement was reached in which the college would pay the \$500 burial expenses in exchange for use of the cadaver.

“So, after the legal documents were set, (the cadaver) was finally delivered to the cold room, and it was just like it was made of gold. It was just an enormous event, Barker said.”

When Lowell State and Lowell Tech became the University of Lowell in the mid-1970s, O’Leary announced that he was going to make Barker dean of a College of Health Professions. The college would include clinical laboratory sciences and the master’s program in medical technology.

“The dean of the College of Pure and Applied Science was absolutely sure that he was going to take over nursing and med tech. The dean and I were fighting constantly. It finally came to a point where no one would give in and we agreed to disagree,” she said.

Trudy Barker’s scrappy and distinguished career at Lowell drew to a close in 1981 when she retired as dean of Health Professions.

Donations to a nursing scholarship in Trudy Barker’s honor may be sent to UMass Lowell, University Advancement, Southwick Hall 250, 1 University Ave., Lowell, MA 01854. Those wishing more information may contact Caitlin O’Brien in the UML Advancement Office at (978) 934-4805 or Caitlin_Obrien@uml.edu

Men's and Women's Teams Compete in National Cross-Country Event

The men's cross-country team, which this season became the first-ever Div. II or III team to win the New England Championships, placed 16th at the NCAA Div. II championship held in Pensacola, Fla., in November.

Meanwhile, the women's cross-country squad placed 20th at the same national event.

River Hawk sophomore Ruben Sanca of Boston finished 44th overall in the Florida race with a time of 30:41.5 over the 10K course. The field consisted of 24 teams and 187 runners.

"To finish 44th overall as a sophomore is great," said Coach Gary Gardner. "We're very pleased with Ruben's performance. He ran a very strong race. He got out real well and held on."

On the women's side, Nicole Plante, a senior from North Adams, placed second overall with a time of 20:15.6 for the 6K course and earned All-America honors for the second straight year.



Ruben Sanca



Nicole Plante

"Finishing anywhere in the top five is massive," said Gardner, "But second is something special."

At the New England Championships, which pits Div. I, II and III schools against one another, Sanca led the men's team with a fifth-place finish

in a time of 24:51. In capturing this crown, the River Hawks defeated the likes of Boston College, Harvard and Yale.

"We were hoping to finish in the top four or five and hadn't really thought about actually winning," said Gardner.

River Hawk Is Now a Bird of a Different Feather

The River Hawk, the logo of UML's athletics teams, has had a face lift.

Fans now see a more animated and fiercer bird than the original hawk that was created 12 years ago. Unveiled recently by the Athletics Department, the redder, more modern looking hawk appears on the floor of the renovated basketball court in Costello Gym, on all department letterheads, and eventually will be seen on all uniforms and other athletics apparel.

The year-long project was guided by Phoenix Design of New York. The primary logo includes a red and blue river hawk soaring over water representing the

Merrimack River. The secondary logo, used when a smaller image is required, is a fierce-looking river hawk head over white and blue letters.

"The River Hawk nickname and logo has served the campus well since it was first developed in 1994, but this is a fresh opportunity to re-introduce our athletic programs to the community," says UML Director of Athletics Dana Skinner.

The primary color for the athletic logo has changed to red, with reflex blue and white used as complementary colors. As uniforms are replaced, the new logo will be incorporated until all uniforms carry the same look.





The Field Hockey Team Helps Others

The field hockey team rebounded from its recent loss in the NCAA Semi-Finals by helping others... they volunteered at the Habitat for Humanity building site sponsored by the NCAA in Pensacola, Fla.

Field Hockey Team Bows in National Semifinal After 18-5 Season

The women's field hockey team posted an 18-5 season record but fell, 4-0, to Bentley College in the semifinal of the NCAA Div. II Field Hockey Tournament at Brosnahan Park in Pensacola, Fla., in November.

The loss ended the stellar careers of six seniors from Coach Shannon Hlebichuk's first recruiting class. The six are Sara Hohenberger of Windham, N.H., Kim Villare of Chelmsford, Nicole Staiti of Barre, Lauren Jones of West Brookfield, and Candace Balbo and Megan Keating, both of Rockport.

The seniors posted a four-year record of 81-28, which included four straight trips to the NCAA tournament semifinal and the 2005 national championship.

Women's Ice Hockey Club Seeks New Members

The women's ice hockey club practices twice a week and has a number of games scheduled through February – but it's still looking for new members.

"We have players of all skill levels," says team captain Kadie Migliarese. "As long as someone has an interest in playing, that's all that counts."

Opponents on the schedule include Babson and Smith colleges and Fairfield University.

A club team that existed earlier broke up six years ago due to lack of interest. But a new group of hockey enthusiasts came together in 2004 to give it another try.

UML's Newest Sport Is Out of Sight

UMass Lowell's newest sport is not very spectator-friendly.

The latest athletic endeavor is underwater hockey, which Mechanical Engineering Prof. Chris Niezrecki brought to Lowell in 2005 from the University of Florida, where he also had started a club.

"It's unlike any sport," he says. "You're trying to compete while holding your breath, which is very unnatural."

The 20-minute games require swimmers, wearing snorkels and fins, to maneuver a three-pound, nylon-coated lead puck with foot-long hockey sticks along the bottom of a pool. The objective is to propel the puck into an unguarded goal. The co-ed team is made up of graduate and undergraduate students, and even faculty.

Despite its inexperience, the team hosted a tournament last spring, drawing competitors from Montreal, Connecticut, Framingham and MIT.



Management Dean Kathryn Carter joins Travis Tucker '94, David Gatti '92 and U.S. Rep. Marty Meehan '78 at the Lowell Fund Donor Appreciation Night at the Tsongas Arena on Nov. 3. More than 800 donors enjoyed exciting River Hawk hockey action. UML skated to a 1-1 tie against Boston University.

1950

Daniel T. Koshak and his wife, Rhoda, celebrated 60 years of wedded bliss in June. They were married in June 1946 after U.S. military service and then headed off to Lowell Textile school to create a career and raise a family. Dan writes, "It's been a wonderful experience."



1952

Nine members of the Lowell State Teachers College class of 1952 enjoyed an informal reunion at the Village Restaurant in Essex this summer. They were, from left, Maureen Conlon Pierce, Mary Mooney Kelley, Lorraine Hurley Hassett, Anna Shelvey MacDonald, Joyce Polland Williams (rear), Janet Casey Reinhart, Pauline Ganley Garnett, Marie Collins O'Connor and Pat Queenan Richard.

1953

Don Finegold's third mystery novel, "The Pemberton Murders," has been published by Infinity Publishing. To learn more about the book visit www.bbotw.com. Don writes that since his retirement seven years ago, after nearly 50 years in the leather industry, he finds writing an interesting pastime.

1956

David Killam has written a book of humor entitled "Fussin's, Cussin's and Chucklin's: Things I 'uz Written When I Wuz Smitten" (Paperback), published by Xlibris Corp. It can be ordered on Amazon.com

1965

David Piligian retired in January after a 20-year career in the Air Force as a communications engineer and 20 years in the defense industry as a systems engineer. He is traveling and enjoying "the good life" with his wife, Jackie.

1967

James J. Healy moved to Singapore in 1997 and then transferred to Shanghai in August 2004, where he serves as president of Grace China Ltd. James writes, "We have traveled throughout Southeast Asia and Australia and have also been to five tourist destinations in China. In October we will do the Silk Road in China. We will fly to Urumqi and work our way east to Xian." James still has a house in York Beach, Maine.

1971

Mark J. Cocozza has been appointed to the board of directors of the Stride Rite Corp. He brings more than 30 years of experience in the footwear industry, having served as chairman and CEO of Maxwell Shoe Co. Inc. from 1998 to 2004, chief operating officer from 1994 to 1998 and brand president from 1987 to 1994. Prior to joining Maxwell, he spent 16 years at Stride Rite, serving in a number of managerial positions, including president of its Sperry Top-Sider division.

Doris Gayzagian celebrated her 84th birthday in August in an unusual way—by signing her first book. The author of "One White Wishing Stone: A Beach Day Counting Book," published by National Geographic, she read from and signed copies of her book at the Chelmsford Senior Center. Doris is a member of several writing groups and a regular participant in the Chelmsford Public Library's poetry slam.

1973

Donald E. Labbe, P.E. of Invensys Process Systems received the 2006 ISA POWID (Power Industry Division) Achievement Award at the 16th Annual Joint ISA Power Industry Division/EPRI Controls and Instrumentation Conference. This is the highest award of the Power Industry Division, a group within the Instrumentation, Systems and Automation Society (ISA).

The conference, co-sponsored since 1991 by the Electric Power Research Institute, is regarded as the key automation forum in the power industry. The POWID award recognizes individuals for their outstanding achievement, original design application and special contributions toward the development of engineering concepts in the field of automation for the advancement of electric power generation. Donald was also named ISA fellow in 2005, one of that organization's highest honors. His work in advanced control has also earned him the ISA's E.G. Bailey award.



1958

"The Girls of '58 LTI" gather for a photo at one of their regular get-togethers. They are, rear, from left, Elaine Garside Shepard, Athena Letsou, Paula Molloy Petrone and Claire Vervaert Lemieux, and front, from left, Toby Koffman Hodes, Maureen Cote Bobusia and Kathryn Connors Tymorek.



Jim McDonough

1976

Jim McDonough was recently named vice president of Operations for Zippo Manufacturing Co., where he will be responsible for Zippo's manufacturing and related operations. Jim brings a wealth of experience to Zippo, including past positions of president and owner of Applied Products Development LLC; Senior VP of Global Engineering, Hasbro Inc.; and development associate, Dow Chemical Co.

1977

Wayne A. George has been promoted to manager of financial programs for V-22 Bell-Boeing Program Office. In this position he is responsible for all government financial reports associated with the V-22 Osprey Program. Prior to joining Bell Helicopter in 2004, Wayne spent 15 years with Raytheon and, prior to that, 10 years with Sanders Associates. He and his wife, Kari, are active in their church where Wayne also gives freely of his time as director of Finance. They both enjoy their 3-year-old son, Carson. Carson's older brother, Peter, is 23.

1979

Linda Toomey-Corr has re-entered the work force after taking time off to raise her son, Zackary. Linda is a clinical liaison for Reckitt Benckiser where she educates and facilitates physicians being certified to treat patients who are opioid

dependent with Suboxone – the only medication approved by the government to treat this dependence. In her spare time she enjoys traveling, fishing and is a full-time hockey parent with son, Zackary, and husband, Bryan.

1980

Robert McCloskey, a certified Program Management Professional (PMP), joined the TSA, Department of Homeland Security, in July 2006 after four years with Battelle Memorial Institute in Arlington, Va. Prior to his tenure with Battelle, he spent 20 years in the Navy, as a Surface Warfare Officer. He retired with the rank of Commander in July 2002.

Jack Clancy has been elected chief executive officer of Enterprise Bancorp and Enterprise Bank, effective Jan. 1, 2007. Jack most recently served as chief operating officer and has served in leadership roles at the bank since its formation in 1988. He is a lifelong resident of the Greater Lowell area with personal ties to many of the communities the bank serves.

He successfully completed Harvard Business School's Advanced Management Program. Prior to becoming the chief operating officer, he held the positions of chief financial officer, treasurer and chief investment officer.

1981

Marianne L. Rousseau has been elected to the position of Member with the law firm of Douglas, Leonard & Garvey P.C. in Concord, N.H. Rousseau is a family law attorney and certified marital mediator.

1985

Judith A. Bessette attended the annual conference of the American Italian Historical Association (AIHA) in Orlando, Fla., on Oct. 27 and 28. She presented a paper based on her research of the historic textile mill village of Lymanville (North Providence), R.I. A textile mill founded in 1809 by Daniel Lyman was the first in Rhode Island to incorporate power (water) weaving in the manufacture of cotton cloth (1817). Her research includes

oral history interviews with members of the Italian-American community who lived in the village and worked in the second textile mill on the site, the Lymanville Wool Manufacturing Co. (founded in 1885 by A. Albert Sack).

1988

Stephen K. Baxter is a budget analyst at UMass Lowell. Prior to his work at the University, he was the assistant comptroller at the Massachusetts Convention Center Authority and did some consulting work.

Anthony F. Lapolito was recently named vice president of marketing for VidSys Inc. of Marlboro, a developer of video management software for the security and surveillance industry.

Raipher D. Pellegrino is pleased to announce the merger of his law practice with that of Jeffrey Denner, forming Denner Pellegrino LLP, Counselors at Law. Raipher is an experienced litigator and business negotiator. He is a former Springfield city councilor, has been recognized by Lawyers Weekly as a Massachusetts Lawyer of the Year 2002 and as a Massachusetts Super Lawyer by Boston magazine and Super Lawyers of Massachusetts magazine. He has appeared on CNN and MSNBC as a commentator regarding his landmark "sleepwalking" defense.

1989

Steve Marchand has been named mortgage loan officer in Butler Bank's residential mortgage department. Steve brings 12 years of related experience, including stints at Eastern Bank in Boston and MSA Mortgage. He lives in Methuen.

1981

Bonnie Comley and husband Stewart Lane are delighted to announce the birth of twin sons on August 14. Leonard James Lane weighed 7 pounds, 6 ounces and was born at 4:30 p.m. and brother Franklin Stewart Lane joined him weighing 7 pounds, 3 ounces at 5:45 p.m. They were joyfully greeted by sisters Leah, Eli and Harly. All are doing well.



1991

Michael A. Noble works full-time as a sergeant in the Town of Maynard Police Department and part-time as an attorney for the law office of Blaine Defreitas in Maynard.

Lieutenant Commander Demetri P. Rizos, head of the nephrology division at the Naval Medical Center in San Diego, has been deployed to Camp Arifjan and will work at the U.S. Military Hospital in Kuwait for six months. The base will provide permanent support facilities for American troops in Kuwait, replacing temporary facilities that have been used since the Gulf War. Dr. Rizos and his wife, Susan,

who were married while he was stationed in Newport, R.I., have an 18-month-old son, Nicholas. Dr. Rizos may be reached at DRRizos@nmcsd.med.navy.mil.

1992

Amy Blanchette Fitzgibbon and husband **Robert F. Fitzgibbon III '92** welcomed their second child, Alyssa Dee, on May 14, one day after son Robbie turned 3. Amy and Robert celebrated their 10th anniversary on Nov. 9.

Robert J. Rafferty ('92, '93) has been named by his employer, Woodward and Curran, as one of the company's newest vice presidents. Rafferty, an Andover resident who has been



Robert J. Rafferty

with the company since 2000 and has played a major role there in wastewater and storm water planning and removal, was named to the post in June 2006. Woodward and Curran is a consulting, engineering and operations firm with offices throughout the U.S. It serves both the public and private sectors.

Cheryl Zaino graduated from Lesley University in 2002 with a master's in Clinical Mental Health with a specialty in school and community. She is a School to Work counselor at Newburyport High School.

1993

Greg Dunham recently was named clinic manager at the HealthSouth Braintree Rehabilitation Center in Milford. His duties include working with outpatient orthopedic patients, and expanding the industrial rehabilitation services offered at the facility, such as work hardening, work conditioning and ergonomic assessments.

Medford Natives Establish Scholarship for Hometown Students

Two sons of Medford have established a scholarship fund at UML to benefit Medford high school students as a way to give back to the two institutions that changed their lives. David Stordy '90, MA '93, and Jake Burke '89, '90, MA '92 say they hope to encourage other alumni and friends of the University who live in or are from Medford to contribute to the endowment fund so more than one student's financial burden can be eased while they attend UML.



David Stordy, left, and Jake Burke have established a scholarship fund for Medford high school students who want to attend UML.

"Being a part of the UML community was very important to us. Equally important is the city of Medford community. Both our families still live in Medford, and we are happy to partner with the city, high school and possibly the mayor's office to make this scholarship a success," says Stordy, senior vice president of operations for Sunbridge Health Care.

The friends, who have known each other since high school, began the fund with a \$30,000 donation, which includes a matching endowment incentive grant from the state. They hope to build the fund to at least \$100,000 with help from other alumni and friends.

"This is just the start. To have the impact we want this scholarship to have, we need more people to get involved," says Burke, who is vice president of business development at Career Search, a software company in Needham.

The two say that the involvement of their wives—Jeanne Holland Stordy '91 and Beth O'Brien Burke—in the decision to start the fund was vital. "This wouldn't have happened without their buy-in," says Burke.

The friends had been toying with the idea of establishing the scholarship for several years. When they returned to their high school for their 20th reunion, the plan finally gelled as they reflected on their roots.

"We both came from working-class families and we were of the first generation in our families to go to college. We both attended UML on scholarships, too," says Burke. "We didn't want a Medford student to say, 'I wish I could have gone to college but I didn't have the money.'"

For more information or to contribute to the fund, contact Steve Rogers in the UMass Lowell Advancement Office at (978)934-4803 or steven_rogers@uml.edu. Burke can be reached at jakeburke@gmail.com.

Terri L. Pastori has been elected to the partnership at Peabody and Arnold LLP, one of Boston's oldest law firms. Terri is a litigator and represents clients in employment, intellectual property, construction and other business matters. Terri and her husband, **Nick Labbe '93**, celebrated their 10th wedding anniversary this fall. They live in Derry, N.H., with their two Labrador retrievers.

1995

Jeffrey Slomski recently moved from the newest school in his district to the oldest when he accepted the position of principal at the Armstrong Elementary School in Westborough. Jeffrey beat out 34 other applicants for the position. His career path has been varied, having worked for a time as a senior sales analyst for Rockport Shoe.

Dennis Lucia of Consigli Construction is project superintendent for construction of the new UMass Lowell parking garage.

1998

Sharla D. Collier Hennessey is a newly licensed real estate agent in Massachusetts and has joined Kelly Realty Associates of Salisbury. She specializes in assisting buyers and sellers in the Greater Newburyport area. She is a Realtor and member of the Greater Newburyport Association of Realtors.

Richard W. Hubert married **Erica L. Johnson '03** on Aug. 21, 2005. Their first child, Alexis Nicole Hubert, was born Aug. 3, 2006.

1999

George Koumantzelis reports that the music CD "Cosmic Podunk" has been released and is for sale. Koumantzelis, founder of Aeolian Ergonautics of Gaithersburg, Md., says, "You've never heard anything like this before." The six-song CD sampler includes musical selections ranging from classic Homeric heptameter poetry to acoustic psychedelic tribal world-beat. He says most of the musicians on the CD are UML



Alums Gather for Brews and Baseball

A group of Lowell State College and Lowell Tech alums took in a Spinners game at LeLacheur Park this summer and then adjourned to the Brewhouse Café for libations. The group consisted of, front row, from left, Walter McGrail '70, Ralph Bennett '67, Doug Anderson '68, Bucky Boehm '44, Jack McSwiggin '70 and Joe Sacoco '70; second row, from left, Pat McLean '71, Gary Hunt '69, Jim Hunt '63 and Bob Boehm '70; and third row, from left, Frank Georges '62, Roger Landry '67, John Moore '67, Fred Leahy '67 and Jim McGuirk '69. Not in the photo was Leo Creegan '66.

Author, Teacher and Rock Singer, She's the 'New Easy Woman' of Her Own Devising

Deborah Busser has been a busy woman this past year. A 1987 graduate of UMass Lowell with a master's (1995) from UMass Lowell, she taught here last summer as an adjunct in the Psychology Department—a course titled Dynamics of Interpersonal Relations, which is something of a spin-off of her newly published book.

The book, co-authored with Lynne Healey with artwork by Jane MacAllister Dukes, is "New Easy Women: Unleash Your Creatational Power." Its message, says Busser, is "to inspire women to reconnect with their innate knowing, create with passion, live with ease and evolve for all." It was released in September, in tandem with a gallery opening in Rye, England, featuring Dukes' original artwork.

The book, says Busser, "presents a perspective designed to jumpstart discussion, connect women with the energy of the movement and help them build the lives of their dreams."

As a complement to her teaching, writing and recent book tour, Busser's activities in the past year have also included a gig as a singer with a rock band—which she took on in connection with a Redbook article on fantasy fulfillment—and trips to Iceland, Ireland, the UK and Cyprus, where she took part in coach-training programs.

In addition, she reports, "I'm also doing some professional speaking engagements on 'inspiring yourself' and 'personal leadership'."



Deborah Busser



alumni. The album is available at cdbaby.com, and Koumantzelis' e-mail address is georgekoumantzelis@yahoo.com

2000

Al Prescott recently accepted a first-place award for his company at the Worcester Polytechnic Institute Venture Forum's Business Plan contest. Al is president of Crescent Innovations Inc., a biomedical company based in Worcester, that is developing technologies to treat TMJ disorders, degenerative joint disease, bone disease, fractures and more. The company has received a Phase 1 SBIR Grant from the National Institutes of Health. Al resides in Westford.

2001

Jeffrey J. Cosgrove has been married for three years as of June 2006. He recently bought a house in Leominster, and a dog, a white boxer.

2002

Melissa A. Cote received her master's in Public Health in May 2005 from the Boston University School of Public Health with a concentration in Social and Behavioral Sciences. She also passed the state licensure exam and received her Massachusetts teachers license in Health Education.

2004

Milagros E. Carmona is a staff sergeant in the Massachusetts National Guard. He was called to active duty in August 2005 and is serving in Bondsteel, Kosovo.

2005

Carlos Castillo is working on a doctorate in literature and living in the Houston area.

Matthew N. Raymo has been promoted to associate business analyst at CXtec in Syracuse, N.Y. CXtec is a global provider of current and legacy networking, cable and voice technologies.

Twenty-six Miles for a Friend, and for a Cause

When Brooke Crossman, the UMass Lowell Honors Program coordinator and a 2002 graduate of the University, took part this fall in the Nike Women's Marathon in San Francisco, she dedicated her effort to a close friend, Chrissy Weldon, who was diagnosed with lymphoma in September 2005.

Crossman, also managed to raise nearly \$4,000 for the Massachusetts chapter of the Leukemia and Lymphoma Society, whose Team in Training Program was launched in the 1980s by another woman, Lucy Duffy, whose husband was diagnosed with leukemia.

"The training has been quite a challenge," Crossman says, "but it's nothing compared to the challenge Chrissy and her family face on a daily basis."

Crossman, who had never run more than six miles at a time before committing to train for the race, ran with a myriad of purple ribbons attached to her shirt, each one with the name of someone who has battled a blood cancer.

Miguel Lopez '96 Promoted to Sergeant of Worcester Police

Miguel Lopez, who earned a bachelor's degree in criminal justice from UMass Lowell in 1996, has become the first Latino officer to be promoted to the rank of sergeant in the Worcester Police Department.

The 36-year-old Lopez, who assumed his new rank in September, has been assigned to the gang unit where he uses a computer database to keep track of gang members.

When he took the entrance exam 15 years ago, Lopez says, "I thought it would be a fun job but I never believed it could be what it is today. I love it."

A native of Worcester, he is fluent in Spanish and has often helped fellow officers learn basic Spanish phrases. That led him to the idea of writing a handbook, "Tour of Duty: Spanish for Law Enforcement," which is on sale in police supply stores. It teaches simple phrases such as "calm down" and "drop the gun."

But Lopez prefers to be known as a police officer first and an Hispanic policeman second.

"I know I'm a police officer and I know my heritage is going to make it a lot easier to help certain segments of the community," he says. "But my whole identification is not surrounded by being Latino or Hispanic."

Lopez and his wife have two children.



Sgt. Miguel Lopez

(Telegram & Gazette photo)

Two Tournaments and a Road Race Combine Fun With a Cause

Alumni and friends raised \$30,000 for scholarships in three separate annual traditions in the summer and early fall. The Thomas Chamberas Annual Golf Tournament, the David J. Boutin Memorial Golf Tournament and Jennifer's Run, a 5K road race, all brought alumni and friends together to remember special members of the UML community and raise funds for athletic scholarships.

In July, the 10th-annual Thomas Chamberas Tournament attracted about 90 golfers to the Wentworth by the Sea Country Club in Rye, N.H., to raise funds for the Thomas Chamberas Memorial Scholarship Fund for UML track athletes. The tournament was won by a foursome led by Danielle Brideau '00, while a team led by former track coach George Davis came in second. The tournament contributes \$16,000 each year to the scholarship fund, which awards a scholarship to an incoming freshman who is supported for his or her entire four years. Thomas Chamberas was a gifted UML track athlete and businessman who died in 1994.

The 16th-annual David J. Boutin Memorial Golf Tournament, played at the Passaconaway Golf Course in Litchfield, N.H., in September, raised \$8,000 for scholarships for UML baseball athletes. Great weather greeted the 110 golfers, which included three foursomes from the Class of 1967, who

faithfully return every year to honor their former coach, Jim Stone. The tournament, which this year was won by a foursome led by Jack Kinsman of Andover, is named for David J. Boutin, a UML baseball athlete who died of cancer while at the University. Alumnus Terry McMahon of Mass Mutual Financial was the corporate sponsor for the event.



Alumnus Terry McMahon's company, Mass Mutual Financial, was the corporate sponsor for the David J. Boutin Memorial Golf Tournament. Pictured are (from left): McMahon, former Red Sox short stop Rico Petrocelli, Marty Piper and Paul Durand.

Jennifer's Run, a 5K road race named in honor of Jennifer D'Amour '98, raised \$6,000 for scholarships to UML track and field athletes. D'Amour was a UML track athlete who died in a car accident in 1998. More than 150 people participated in the seventh-annual event, including many alumni, family members and friends of the D'Amour family. Patrick Morasse '05 and Robin Osborne '04 won the race.

UML Endowment Grows to \$15.5 million

UML is ahead of schedule to double its endowment by 2009, thanks in part to a matching program from the state that gives donors even more reason to support the University. Now two years into a five-year campaign to reach \$20 million, the University has added 51 new endowment funds worth \$4.8 million. The endowment now stands at almost \$15.5 million.

"Our goal is to separate from other state public universities in terms of the health and size of our endowment," says Senior Director of Advancement John Davis. "We have the alumni support to position UML's endowment as second only to UMass Amherst."

Helping the endowment push is a state program called the Public Higher Education Endowment Incentive Program (PHEEIP) that triggers a 50 percent match from the state when an endowment gift is made to UML.

For a new fund, the minimum gift is \$25,000, while the minimum gift to an existing fund is \$10,000.

An endowment provides a critical, steady stream of income to the University. Endowed gifts are invested and only a portion of the interest earned from these investments is spent each year for academic purposes, including scholarships, facility construction or named chairs. The University of Massachusetts Foundation manages UML's endowment and recorded an 11.03 percent return for the last fiscal year, better than the S&P 500 return of 8.63 percent.

Private fundraising at UML is still in its infancy, starting less than 10 years ago with the creation of an advancement operation that mirrored what private colleges have relied upon for decades. A similar UML endowment campaign ran from 1997 to 2001 and

added \$4.4 million to an endowment that started at less than \$1 million.

Several new scholarship funds have been helped by the PHEEIP match. Twelve faculty and staff members from the Plastics Engineering Department each committed \$5,000 for five years for scholarships to plastics engineering students and, thanks to the match, that fund now stands at \$100,000. Two alumni, David Stordy '90, MA '93 and Jake Burke '89, '90, MA '92 used the PHEEIP match to create a \$30,000 scholarship fund for Medford high school students who attend UML.

"What PHEEIP does is allow our mid-level donors to really make a difference in their giving, especially when spread over five years," says Davis.

PHEEIP also helps reunion classes establish significant scholarship funds and encourages future giving.

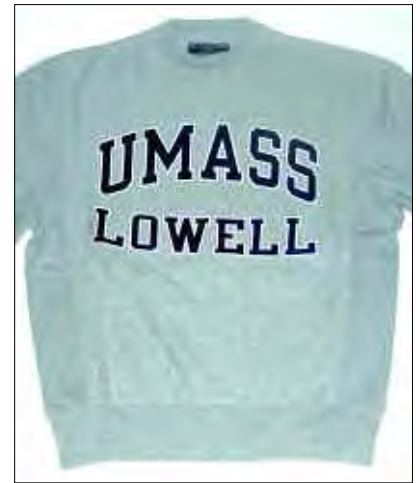
UMass Lowell Alumni Gift Items



Champion Hooded Sweatshirt
50/50 fleece hooded sweatshirt
Sizes: S/M/L/XL/XXL
Color: Gray \$34.99 Item #1



Big Cotton Navy Hood
Gear for Sports navy hood with embroidered ULowell logo. Sizes M-XXL. \$49.98 Item #2



Champion Heavy Weight Sweatshirt
Screen-printed collegiate sweatshirt available in gray only. S-XXL. \$49.98 Item #3 (Available in November-January)



Heavy Weight Golf Shirt.
Navy golf shirt with embroidered left chest logo. Available with Lowell Tech or University of Lowell logo. S-XXL. \$34.98 Item #5



Champion Crewneck Sweatshirt
Screen-printed logo on 50/50 blend fleece. Charcoal. S-XXL. \$24.99 Item #6



Tackle Twill Hooded Sweatshirt
50/50 blend fleece with wool patch "UML" and 3-color embroidery. Available in sizes S-XXL. Oxford gray. \$49.98 Item #4



University Picture
Framed picture available with picture of Southwick, Cumnock or Coburn Hall. Available in 10x12 pen & ink style for \$85 or full color painted for \$140. Personalization is available on the pen & ink drawing for an additional \$10. Item #7



Champion Alumni Tees
Grey tees available in Lowell Tech, ULowell, and Lowell State imprint. \$14.98. M-XXL Item #8

For additional merchandise, visit us online at <http://umlowell.bkstore.com>



Golf Wind Jacket.
Gear For Sports durable navy embroidered wind jacket. Available with Lowell Tech or University of Lowell logo. Available in M-XXL. \$49.98 Item #9



Champion Tee Shirt
UMass Lowell imprint. Available in gray, red, light blue. Sizes S-XXL. \$14.98 Item #11

Rolled Blanket
Fleece "sweatshirt" blanket with UMass Lowell imprint. Available in gray, navy, sun yellow, aqua. \$29.98 Item #13



Alumni Decals
UMass Lowell Alumni River Hawk decal. UMass Lowell Alumni square decal. University of Lowell Alumni decal. \$1.49 each Postage & Handling on this item is 50 cents. Item #14



NEW!

Baseball hat.
Our most popular cap. 100% cotton twill with adjustable strap. "Lowell" embroidered in red on the back strap. \$17.98 Item #10



University Chairs.
Black with cherry arms and back lasered seal
Item #12A Armchair \$379.98
Item #12B Boston Rocker \$379.98

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.



Alumni Keychain
UMass Lowell logo alumni metal keychain. \$5.98 Postage & Handling on this item is \$1.95. Item #15

UMass Lowell Alumni Gift Items Order Form

Name _____

Day Phone _____ Class Year _____

Address _____

City/State/Zip _____

Visa MC Amex Discover check enclosed (payable to UMass Lowell Bookstore)

Credit Card # _____

Exp. Date _____

Signature _____

Item # _____ Quantity _____

Description _____

School/Building _____

Color _____ Size _____ Price _____

Item # _____ Quantity _____

Description _____

School/Building _____

Color _____ Size _____ Price _____

Item # _____ Quantity _____

Description _____

School/Building _____

Color _____ Size _____ Price _____

Merchandise Total

MA residents add 5% tax to all non-clothing items

Add shipping and handling + \$25 for mailing chairs

Total Amount

Please allow 3- 4 weeks for delivery. Prices subject to change.

Shipping and Handling:
\$6.95 for the first item.
\$1.95 for each additional item.
University chairs \$25.

Mail or fax all orders to:
UMass Lowell Bookstore
One University Avenue
Lowell, MA 01854
Fax: (978) 934-6914

For questions on merchandise please call the UML Bookstore at (978) 934-2623 or e-mail us at bksumassnorth@bncollege.com. You may also order merchandise directly on our website at <http://umlowell.bkstore.com>.

Y Cut along dotted line and return to above address.



We Want News About You!

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.

Please check box if information is new.



Name: _____

Women: Please include your graduation name. _____

Class Year: _____ Major: _____

Home Address: _____

City: _____

State: _____ Zip: _____

Home Phone: _____

E-mail Address: _____

Employer: _____

Title: _____

Business Address: _____

City: _____

State: _____ Zip: _____

Business Phone: _____ Fax: _____

Please send to:

UMass Lowell
Office of Alumni Relations
Southwick Hall
One University Ave.
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:

Please check the activities with which you would like to help:

- Alumni Relations Council
- Regional Events
- Career Services
- Community Service
- College/Departmental Activities
- Regional Chapters
- Class Reunions

Thank you!

Calendar of Events

WINTER '07

- | | | | |
|------------------------|--|-----------------|--|
| Feb 24 | Annual Alumni Hockey Night
UMass Lowell vs. Boston College
Tsongas Arena, Lowell | April 24 | UMass Night on the Hill
Washington, D.C., Alumni Event |
| March
17-20 | East and West Coast Florida
Alumni Events | May 12 | Computer Science 25th Anniversary Celebration
Lenzi's Millhouse, Dracut |
| March 17 | UMass Day at Red Sox Spring Training
Fort Myers, Florida | May 10 | UMass Night at the Pops
Symphony Hall, Boston |
| March 18 | Alumni Gathering at Red Sox vs. Orioles
Ft. Lauderdale, Florida | May 24 | River Hawk Golf Classic at Sky Meadow
Nashua, N.H. |
| March 20 | Mar-a-Lago Club Alumni Reception
Palm Beach, Florida | June 1-2 | Reunion Weekend Classes of 1957 and 1967 |

Visit the alumni website at www.uml.edu/alumni for a listing of all events and detailed information.

For information regarding UMass Lowell Athletic schedules, please visit www.goriverhawks.com

For information regarding The Discover Series or STARTS Program, please contact the UMass Lowell Center for the Arts at (978) 934-4444.



Come share our view.

From the top of 225 Franklin Street, in the heart of Boston's financial district, The University of Massachusetts Club offers spectacular views of Boston Harbor and the islands. Surrounded by inspiring décor, our members enjoy an exceptional culinary experience, from an intimate lunch to an elegant formal wedding. We believe the alumni, faculty, staff and friends of The University of Massachusetts deserve nothing less than the best in private club tradition. We invite you to discover this experience.



For information about being sponsored for membership, contact our Membership Director at 617.287.3020 or contactus@umassclub.com

www.umassclub.com



Improving the Workplace
A \$5 million grant from the National Institutes of Occupational Health will create a center to promote health in New England workplaces.



Smart Student-Athletes
Thirty-five UML athletes were named to the Northeast-10 Conference 2005 Honor Roll, 12 on the Gold Scholar List (top 5 percent in GPA).



Promoting Safer Chemicals
UML's Toxics Use Reduction Institute identifies safer, less toxic alternatives for industries dependent on hazardous chemicals, such as formaldehyde.



Improving Drug Delivery
Drugs will be administered more efficiently thanks to Encapsion, a biopharmaceutical company spawned by UML research and nurtured in the University's incubator program.



National Champions, Again
The UML field hockey team won the Division II National Championship in 2005, the sixth national championship in the University's history.



Encouraging Scientific Kids
Middle schools receive invention kits to encourage after-school science and technology programs in this pioneering UML program.



THE LOWELL FUND: FUNDING EXCELLENCE TODAY

Your gift funds excellence, now. Call (978) 934-4808 or visit www.uml.edu.



Office of Alumni Relations
Southwick Hall
One University Ave.
Lowell, MA 01854-3629

Change Service Requested

NONPROFIT ORG
US POSTAGE
PAID
PERMIT 69
LOWELL, MA 01854