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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.

The University of Massachusetts Club

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www.umassclub.com
Dear Alumni, Parents and Friends:

In some respects, nanotechnology is facing the same issues today that biotechnology faced twenty years ago – that is, many acknowledge its great potential while, at the same time, express concerns about its effects.

Biotechnology made possible an array of new commercial products but it also gave rise to a public debate about the consequences of genetic engineering. For example, despite the apparent benefits of bio-engineered food, the debate surrounding genetic engineering stalled the use of these products in many parts of the world.

Today, nanotechnology could improve existing products or create a multitude of new ones in areas as widely diverse as life sciences, microelectronics, computing and instrumentation. Nanoparticles – so small that 75,000 could fit across a human hair – are valued because they offer new properties for all products. But the very presence of these new characteristics means we don’t yet understand fully their effects on the environment and public health.

It comes as no surprise, then, that there are those who caution that this innovation does not come without uncertainties and risks.

The lesson is clear: as new technologies emerge, it is essential that we consider and address potential risks so as to win public confidence and acceptance. The stakes for this acceptance are especially high in Massachusetts. Our economy depends on innovation. We need to get this right, and fast, because the future of a significant part of our economy could be based on nano and bio research and manufacturing.

The National Nanotechnology Initiative estimates that the worldwide growth of nanotechnologies will reach a trillion dollars and create two million jobs by 2015. This year, the federal government will provide more than one billion dollars in science, technology, engineering, and math (STEM) education and research and development. The National Nanotechnology Initiative estimates that the worldwide growth of nanotechnologies will reach a trillion dollars and create two million jobs by 2015. This year, the federal government will provide more than one billion dollars in science, technology, engineering, and math (STEM) education and research and development.

The National Science Foundation now requires that some portion of its nanotechnology research grants be used to address social concerns and the development of techniques to make the state a leader in nanotechnology commercial production.

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UMass Lowell is in the forefront in addressing both social concerns and the development of techniques to make the state a leader in nanotechnology commercial production.

The National Science Foundation now requires that some portion of its nanotechnology research grants be used to address social concerns and the development of techniques to make the state a leader in nanotechnology commercial production.

We’re making substantial efforts to integrate into our research studies of workplace and environmental exposures to nanoparticles and we’re incorporating environmentally protective (so-called Green Chemistry) approaches in the production processes.

At UMass Lowell, we’ve made a major commitment to incorporate green chemistry principles into the development of nanotechnology manufacturing. Green chemistry seeks to redesign chemical syntheses and processes, replacing toxic-bearing elements with more “natural” and benign substances. The goal of green chemistry is to avoid health and environmental hazards while building the concepts of safety and ecological protection directly into the earliest phases of the design of new materials.

This is particularly important to Massachusetts because 40 percent of our exports – and we are an export economy – go to the European Union, which has stringent environmental and public health guidelines.

As for commercial production, the UMass Lowell campus has established a leadership position in areas critical to developing techniques for scaling up to commercial production levels. We have the wherewithal to take inventions from exotic laboratory creations to practical, large-scale production while providing environmental, worker and public safeguards.

Next year marks the 10th anniversary of the country’s sizable federal commitment to funding research into nanotechnology. We’ve made great progress to date. But if our region is to gain a substantial economic advantage over time from this progress, we must develop new manufacturing processes that enable us to scale up to production quantities while, at the same time, assuring the public that the nanomanufacturing of the future is as clean and safe as it is innovative and productive.

Sincerely,

William T. Hogan
Chancellor
Work of UML’s Famed Photographer Exhibited at DeCordova Museum

Prof. Arno Minkkinen of the Art Department has an international reputation as an innovative photographer whose self-portraits have been exhibited in prestigious galleries around the world. Recently, some were exhibited in a prestigious gallery virtually around the corner.

A 120-print exhibit of Prof. Arno Minkkinen’s photography, described as a mid-life retrospective, was featured recently at the DeCordova Museum in Lincoln.

The premier venue for “Saga: The Journey of Arno Rafael Minkkinen, Photographs 1970-2005” was the DeCordova Museum and Sculpture Park in Lincoln.

The 120-print exhibit was described as a mid-life retrospective, which Minkkinen finds optimistic.

“It’s optimistic in terms of my life span and the maturity of the work. And it assumes another 20 years or more of work. I’d be happy to be taking photographs into my 80s or 90s.”

He said he was pleased to have this exhibit close to Lowell because “students can view this exhibit of my work and they will see that these things are possible if you believe in yourself and work hard.”

Kerouac Conference Turns 10

As keynote speaker at the Jack Kerouac Conference on Beat Literature, Sam Kashner told tales full of humor and pathos, recounting his life as a young man among aging beat poets in the 1970s.

The conference expanded to two full days this October, the 10th anniversary of the conference at UMass Lowell.

At age 19, Kashner became the first student to enroll in the Jack Kerouac School of Disembodied Poetics at Naropa University, armed with lengthy self-penned poems, a much-covered watch from his parents, and a Diner’s Club Card.

Kashner moved the O’Leary Library audience with anecdotes involving those three possessions, Beat poets William Burroughs, Gregory Corso, Kerouac School founder Allen Ginsberg, and himself. The tales were read from Kashner’s most recent book, “When I Was Cool: My Life at the Jack Kerouac School.”

In addition to Kashner, two Kerouac-inspired authors read from their work: Lowell novelist David Daniel and Christelle Davis of the University of Technology Sydney. Poet Nancy Schopenhauer of the College of William and Mary also read.

John Sampas of Lowell, Kerouac’s brother-in-law, executor of his estate and Kerouac Conference benefactor, was in attendance. In addition to Sampas, the conference was sponsored by the Jack and Stella Kerouac Center for American Studies and the UMass Lowell English Department.

Conference director Hilary Holladay, a professor of English, said she was pleased with attendance at the conference.

“We had a nice mix of students and community people—and we had some all the way from Australia,” she said.

UMass Lowell Prof Clears Customs with Some Unusual Credentials

Flying out of Logan Airport en route to a Montreal workshop several months ago, Prof. John Warner cleared security without incident. “Just the usual photo ID, and they let me pass,” he says.

But, in Montreal, the woman in charge of Customs asked him for two forms of photo identification, or for a government-issued ID. He could meet neither requirement. “I didn’t have my passport with me, and I keep my UMass ID in my car,” he says. “So all I had was a driver’s license, and she told me that wasn’t enough.”

There was a delay while Warner and the customs-lady cast about for options. Did he have anything else with his picture on it? she asked. He opened his briefcase and among all the paperwork was a month-old copy of the UMass Lowell Magazine. Green chemistry was the cover story, his picture was on page 12, with a caption identifying him.

“She was duly impressed,” he remem-bered. “She started reading the story, then began asking me questions — what was green chemistry?”

So Warner, for the price of a five-minute airport seminar on his science, was allowed entry into Montreal.

And the UMass Lowell Magazine, at least for that one customs-lady on that one morning in Montreal, took on the elevated status of a government document.

Freshman Reading Program Expands into Film, Theatre, Essays

The English Department’s new Common Text Program, which requires the reading of the same non-fiction text in every first-semester College Writing class, has been expanded to embrace theatre, film, essay-writing, on-campus appearances by playwrights and off-campus coffee-house discussion groups.

薄膜和Biomanufacturing

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“Another great aspect of our compound is that it is ingestible,” says Braunhut. “In animal model testing, the mice will be treated with polycatechins in their drinking water.

“We believe these new compounds may prove to be a new family of anticancer drugs from green chemistry that will cause a paradigm shift in the development of drugs for breast cancer treatment.”

**Nanotechnology Penetrates the Cosmetics Industry**

Cosmetics are big business. In fact, one of the fastest growing sectors in the chemical industry worldwide is personal care products. Now nanotechnology is transforming cosmetics with new formulations and technologies.

Vitamin E, an antioxidant, is known for its ability to protect skin and hair from damage. But Vitamin E is not easily absorbed through the skin’s layers.

Arthur Watterson, director of the Institute for Nano Science and Engineering Technology (INSET), has led a team of researchers to a potential solution: encapsulation.

“We have chemically attached and encapsulated Vitamin E in our nanospheres for both long- and short-term release to create dual polymeric nano carriers,” says Watterson. “The polymeric antioxidants are more effective than the antioxidants themselves. Essentially, we’re turning Vitamin E, a lipid or oil, into a water-soluble substance that can penetrate deep into the skin.” Applications would include sunscreens and sunburn treatments, as well as encapsulations of cosmeceuticals such as retinol. Drugs may also be incorporated in this dual carrier method.

**Where’s the Train When You Need One?**

“We have an extraordinary resource in this nation: a rail network that is underutilized and underfunded,” Michael Dukakis told a recent seminar.

“We should invest in a first-class national passenger rail system and it would require only modest investment,” about seven percent of the amount spent on highways and airports. The Northeast is a strong user of rail transport, but the second most successful passenger train in America is in California.

Dukakis, a professor of political science at Northeastern University and visiting professor at the School of Public Policy at UCLA, is well known for his advocacy of public transportation. His presentation was part of the fall seminar series organized by Assoc. Prof. William Mass of the Department of Regional Economic and Social Development and director of the Center for Industrial Competitiveness.

**Olsen Lobby Gets a New Look**

Faculty, staff, students and members of the Board of Advisors of the Division of Sciences gathered recently at a ribbon cutting ceremony to celebrate the completion of the Olsen Hall lobby renovation.

In addition to fresh paint and new chairs, one wall of the lobby is adorned with a huge aluminum grid, components of which sweep across the ceiling toward the elevators.

“We wanted to freshen up the lobby, make it more inviting and more usable for our students,” says Bob Tamarin, dean of the Division of Sciences. “The sculpture is intended to draw people into the building.”
$1 Million NSF Grant Will Help Transform Engineering Education

The Francis College of Engineering has won a grant for $1 million from the National Science Foundation (NSF), one of only six awarded nationwide out of 57 applicants to the NSF’s program for Engineering Education.

The three-year funding will help the College implement its project SLICE: Service Learning Integrated throughout a College of Engineering. The project’s ambitious goal is to revitalize an entire college of engineering through the emerging application of service learning.

Service learning integrates academic subject matter with service to the community in credit-bearing courses. Research shows that service learning increases critical thinking and tolerance for diversity. It also leads with service to the community in credit-bearing courses so that students will be exposed to service learning.

The project’s ambitious goal is to revitalize an entire college of engineering through the emerging application of service learning.

Service learning integrates academic subject matter with service to the community in credit-bearing courses. Research shows that service learning increases critical thinking and tolerance for diversity. It also leads to better knowledge of the subject, higher student retention and more effective recruitment of women and minorities to engineering.

“We will integrate projects into a broad array of courses so that students will be exposed to service learning in every semester in the core curriculum in each of the five engineering departments,” says Prof. John Duffy, lead author of the proposal and one of its principal investigators. “Under the initial planning grant, 36 faculty members already are working on integrating service learning in 40 courses. And, more than 500 engineering students participated in such projects in required courses.”

“UMass Lowell is the only engineering program with NSF funding that is working on implementation through the entire college, not just in a department or a special program,” says Engineering Dean John Ting. “In that respect, we are recognized as leading the nation.”

Continuing Studies Online Program Receives Three National Awards

The Division of Continuing Studies has received three national awards for excellence in its online education programs from the Sloan Consortium—an association of more than 1,000 institutions and organizations of higher education engaged in online learning.

“This recognition is one of the highest honors we could receive,” says Jacqueline Moloney, dean of Continuing Studies and Corporate Education, who launched UMass Lowell’s online program 12 years ago. “It’s tremendously rewarding to have our faculty, staff and administration be nationally recognized as leaders in this field.”

The Sloan Consortium (Sloan-C) has recognized the Division for: “Excellence in Institution-Wide Online Teaching and Learning Programming,” “Excellence in Faculty Development for Online Teaching,” and “Excellence in Online Teaching,” which was awarded to Assoc. Prof. Joan Cannon of Psychology.

“The Institution-Wide award speaks to the high quality of the online programs at UMass Lowell,” says Chancellor William T. Hogan. “We’re very proud of the accomplishments of all of the administrators and faculty involved.”

Expanded First Year Program Greet Freshmen

The freshmen who started learning in classes in September were also starting LEARN, the University’s expanded First Year Program designed to help students make a successful transition to college.

“For most students, starting college is a huge step toward autonomy,” says Dean of Students Larry Seigel. “The key to being successful in that autonomy is to develop skills of self-reliance.”

Skill-building is, in part, what LEARN is designed to do.

Other components of LEARN are First Year Resource Educators, upper-class students who assist in planning and implementing programs throughout the year, learning environments that locate classes, computer labs and tutoring sessions in residence halls, a new UML Parent Council and a leadership program.

The expanded first-year program also includes a Commuter Mentor Program that addresses the needs of students not living in residence halls.

LEARN is modeled on a program conducted in residence halls over the last few years. Statistics have shown that participants earn more credits and higher grade-point averages than either non-participating residential students or commuters. The program also has improved student retention.

Freshman Welcome Week activities included a Freshman Breakfast, where, from left, Karen Humphrey-Johnson, director of Orientation and Freshman Programs, and Annie Cirakid, director of Residence Life, served food to freshmen Jared Quill of Townsend and Ashton DePasquale of Leominster.

UMASS LOWELL MAGAZINE WINTER 2006
Recycling Program Expands to Include All Fibrous Material

The University’s paper recycling program has been expanded to include all fibrous material, an enhancement that is expected to save at least $10,000 a year and further advance the University’s effort to become a green campus.

In addition to white paper, the University—in partnership with Casella Waste Services—now can recycle any type of paper waste, including colored paper, newspaper, books, magazines and cardboard.

In previous years, the University has recycled about 50 tons of paper annually. This total should increase under the new system.

Tom Milano, director of Facility Services, says, “We hope to save upwards of $10,000 a year. And that’s a pretty conservative estimate. I hope it will be more. But, besides saving us money, this program also will reduce the amount of waste that goes into landfills and incinerators.”

Casella charges the University $75 per ton to pick up and sort the paper and cardboard.

Chancellor Hogan Receives Very Positive Evaluation

The UMass Board of Trustees has given Chancellor William T. Hogan a “very positive” evaluation after receiving overwhelming University and community support for his continued leadership of the Lowell campus.

“The condition of UMass Lowell is something that is not only appreciated by the University community, but is the envy of other academic institutions throughout the world,” said UMass President Jack M. Wilson in a letter to the campus community.

Wilson also pointed to Dr. Hogan’s “significant strides” in research, citing the proposed new center for nanomanufacturing and biomanufacturing as a tangible example.

“The chancellor has articulated a clear, achievable vision of advancing research through the creation and support of interdisciplinary centers,” he stated.

The evaluation process included an extensive review by a team led by Trustee William T. O’Shea and involved several meetings and public hearings. There was an outsourcing of support for the chancellor from the University, community, business and political leaders.

“In particular, civic leaders in the City of Lowell credit Chancellor Hogan’s leadership with being a major factor in the unprecedented renaissance of the city,” Wilson said.

Campus Transformation Project Enters New Phase

The second phase of the Campus Transformation Project began in the fall with a kick-off event in November and the formation of 10 planning teams that addressed a range of topics, from Advising to Workplace Quality.

Provost John Wooding said, “The Transformation Project is already yielding results. Among other steps, we’re moving ahead with interdisciplinary initiatives, we’ve established a clearinghouse for partnership activities, and a committee has been formed to explore how we might create a Media, Information, and Technology program.”

The goals of the Transformation Project are to: (1) promote the sustainability of the physical, economic and social lives of the community in all areas of University activity; (2) support all teaching activities and expand interdisciplinary teaching; (3) promote research within and across disciplines and increase research output in all disciplines; (4) extend and deepen our commitment to local communities and cultures; and (5) maintain a clean, safe, and inviting work environment for all members of the University community.

With Chancellor Hogan as the overall sponsor, the project is led by the Steering Team, consisting of Deans Carroll, Hojnacki, Moloney, Pierson, Tamarin, Ting, Verrault and Wegman, and University Library Director Pat Noreau, along with Provost John Wooding and Associate Provost Kristin Esterberg, and the Implementation Team, composed of the provost, associate provost, Associate Vice Chancellor Joyce Gibson, Executive Vice Chancellor Frederick Speros, and Vice Chancellor Louise Griffin, Diana Piozdes-Mauring, and Jeff Thompson, each of whom is a sponsor of one or more of the 10 planning teams.

In the first phase of the Transformation Project, two special task forces examined issues related to research and community-University partnerships. The Research report is available at http://faculty.uml.edu/trasunshin/rrfte-port-rr.pdf, while the Community-University Task Force report can be found on the Web at http://faculty.uml.edu/biklls. Details on the Campus Transformation Project can be found on the campus intranet at intranet.uml.edu/transformation.

University Energy Costs Increased by a Half Million Dollars This Year

The University is not immune from the soaring prices of heating oil, natural gas, gasoline and electricity that residents throughout the state are facing.

For the fiscal year, energy costs increased by $4.5 million as opposed to $4 million. Energy and Utilities Manager Mark Lukitsch says the cost of fuel oil, the main energy source during the winter, has increased by 50 percent and natural gas costs have nearly doubled. Electricity represents the greatest portion of the energy bill but, fortunately, David Kiser, director of Physical Plant, negotiated an electricity contract two years ago that is saving the University $1.5 million this year alone.

As part of the strategy to control costs, Diana Piozdes-Mauring, vice chancellor of Facilities, says, some maintenance projects that aren’t absolutely necessary, such as the repaving of parking lots, may be delayed. In addition, other projects may be reshuffled, giving priority to the implementation of energy-saving initiatives, such as computer-controlled ventilation systems or window replacement.

“Major projects, such as the new dining area in Southwick Hall and the parking garage on UML North, will go ahead as planned,” she says.

The goal is to reduce energy usage by 20 percent by 2009, based on the fiscal 2004 consumption.

Chancellor: Economy Needs Building That Will Go Beyond the Classroom

At recent faculty-staff gatherings on UML North and South, Chancellor William T. Hogan offered an upbeat assessment of where things are today at UMass Lowell, commended legislators for pursuing state funding for “an integrated research facility” that will drive the area’s innovation economy, and lauded the faculty for the talent they will bring to that facility.

Student Affairs Task Force Launches Alcohol Education Project

The Student Affairs Alcohol and Other Drug (AOD) Task Force has been awarded a $5,000 grant from the Governor’s Highway Safety Board for a one-semester alcohol awareness program called No Regrets. The Dean of Student Affairs Office is providing matching funds.

The project is being directed by Ann Marie Ciardelli, director of Student Development and Campus Conduct; Nicole Champagne, assistant professor of Community Health Education; and Nancy Quattrocchi, director of Health Services. Ciardelli and Quattrocchi are co-directors of the AOD Task Force.

The half-time project coordinator is Susan Pulido, a recent graduate of the School of Health and Environment.

The No Regrets project targets first-year students—the most likely to develop problems with alcohol and other drugs—living in campus housing. It is intended to head off alcohol-related problems before they begin.

With that in mind, the project team began its outreach efforts at orientation programs last June, when it introduced parents to the University’s student code and explained drug and alcohol policies.

It’s estimated that energy expenses for the University this year will be half a million dollars more than last year—$4.5 million as opposed to $4 million.

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Hogan said the quality of the student body is improving. With a jump in the number of applicants, the admission rate has gone from 66 percent to 61 percent of those applying. This means a larger percentage of incoming freshman have GPAs above 3.0. He said the campus is undertaking an effort to keep those talented freshman in five- and six-year programs, in order to address a demographic shortfall in the number of graduate students applying.

On state support for UMass Lowell, Hogan said, “I cannot say enough good things about the local delegation.” He said Sen. Steven C. Panagiotakos and Lowell Reps. David Nangle, Kevin Murphy and Thomas Golden were working hard to pass a number of items committing a new building.

Hogan pointed out that the number of faculty has climbed back to near 2002 levels, after losing a large percentage to early retirements, and that the faculty is talented. “We need to take that talent and turn it into full-scale productive activity,” he said.

In the weeks that followed, members of the University community raised more money through a variety of events, including a silent auction, a semi-formal dance and an apple pie sale. There also was a drive to collect toiletries for those displaced by the hurricane.

The University also enrolled and waived fall semester tuition for two students, one from Tufts University and the other from Loyola University, whose education was interrupted by the hurricane.

The storm also had a personal effect on a UML faculty member — History Prof. Caryn Cossé Bell — who grew up in New Orleans. Her mother and two siblings had to evacuate the family home in St. Bernard’s Parish.

“Other than that we’ve been lucky,” said Hogan, “I cannot say enough good things about the local delegation.”

The Dean of Students Office set up information tables across campus to help orient freshmen. The tables included a Red Cross donation jar for Katrina victims. From left, freshmen Bill Shipley of Tyngsboro, Linda Chau of Lowell and, far right, Andrew Clauson of Chelmsford, chat with Rob Sampson, a graduate student in criminal justice enlisted to help. The tables also included a jar for the Red Cross donations. From just two tables, staffed by students, were set up all over campus with containers for Red Cross donations. From just two locations – the front of Cumnock Hall and the Dean of Students office – more than $1,100 was raised in the first week.

“Why a building?” he asked. “As a public institution, we have a commitment to go out beyond the classroom and laboratories.” He said an $80 million “integrated research facility” — $35 million from the state, $35 million borrowed, and $10 million from the federal government — would serve “probably the only viable strategy in New England—to continually innovate and to generate new products and new services.”

He said the faculty “has gone way down that path.” He mentioned medical imaging, drug delivery, nanotechnology and biotechnology manufacturing and green chemistry.

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Nagarajan Wins EPA Student Grant for Green Tea Research

Rarely does a student member of a research team acquire the very first external funding for a major project. But that’s just what Subhalakshmi (known as Subha) Nagarajan accomplished.

The Environmental Protection Agency (EPA) sponsored annual national student design competition—the P3 Award for Sustainability Focusing on People, Prosperity and the Planet. Nagarajan won the competition and a $10,000 grant that will enable her to develop preliminary research results and make a presentation to the EPA this May, in competition for a $75,000 full development and implementation grant.

“The purpose of the EPA grant is to encourage environmentally friendly methods to make materials of commercial and human benefit,” says Nagarajan. “Most drugs used to treat cancer are made using toxic chemicals that generate harmful by-products. Meanwhile, naturally occurring compounds like green tea catechins, which are promising in anti-cancer studies, are not very stable or soluble.”

Nagarajan, a doctoral candidate, is supervised by Prof. Jayant Kumar, director of the Center for Advanced Materials.

Brian Pray Named Chief of UMass Lowell Police Department

Brian Pray, the Chief of Police and director of Public Safety at Salem State College since 1986, was named chief of the UMass Lowell Police Department in September.

The Westford native has a bachelor's degree in liberal arts from Boston College and a master's in administration of justice from the University of Massachusetts. He also holds a certificate of advanced academic achievement in management and administration in a University of Virginia post-graduate level program conducted in affiliation with the FBI.

Nanospheres Deliver Insulin Through the Skin

Insulin has been administered transdermally for the first time in lab conditions, using hollow and biodegradable nanospheres developed at UMass Lowell—an advance that could lead to improved treatment of diabetes. The nanospheres were also successful in delivering insulin orally. Both reduced blood glucose levels in animal studies.

Prof. Stephen McCarthy, director of the Biodegradable Polymer Research Center, developed the new technology with research scientist Dr. Bulent Koroskenyi. Prof. Robert Nicolosi, director of the Center for Health and Disease Research, directed the animal studies for drug delivery.

Nanomanufacturing Enters Collaboration with MFIC

UMass Lowell has signed a research and collaboration agreement with MFIC Corporation, headquartered in Newton, to develop new applications, processes and products in the area of nanomaterials using MFIC’s materials processing and chemical reactor equipment.

Microfluidics, the operating subsidiary of MFIC, is providing a Microfluidizer® Processor and the new-generation Microfluidizer® Multiple Stream Mixer/Reactor (MSMR) lab system. The MMR is one of only two advanced, fully equipped systems in existence, with a current value of $150,000. With the processor valued at $100,000, plus the provision of technical and financial support to projects, the MFIC contribution is valued at more than $454,000.

Research will proceed under the direction of the Nanomanufacturing Center of Excellence (NCOE) at UML.

“We expect the Microfluidics equipment will become key manufacturing platforms for high throughput nanomanufacturing,” says Prof. Julie Chen, director of the NCOE.

“Researchers on campus and across industry sectors are interested in exploring nanoparticle production that is scalable from experimental quantities to production amounts, with consistency and stability.”

Irwin Gruverman, CEO and Chairman of MFIC, said, “We welcome this opportunity to collaborate with the substantial formulation and engineering strengths at UML.” He said the Microfluidizer® Processor equipment and the MMR chemical reactors are “innovative systems that can enable many UML projects to produce nanomaterials for, among others, pharmaceutical and nutraceutical formulations.”

MFIC and UMass Lowell have ongoing research collaborations. Faculty researchers have been using the Microfluidizer materials processing equipment for significant recent research. Prof. Robert Nicolosi, director of the Center for Health and Disease Research, is developing compounds for medical application; Prof. Carl Lawton, director of the Massachusetts Bioprocess Development Center, assists biotechnology companies in their process development.

Senate Stimulus Bill Provides $35 Million for Integrated Research Building

The Massachusetts Senate has passed an economic stimulus bill providing $35 million—and the authority to borrow another $35 million—for an advanced manufacturing research building on campus.
which is directed to the UMass system. Panagiotakos was a lead author of the bill.

If passed, the legislation would provide the Lowell campus with an immediate infusion of $21 million for design and construction of new facilities to promote nanomanufacturing and biomanufacturing and related areas, equipment and operating costs. The bill also authorizes the Commonwealth to borrow an additional $14 million for the same purposes and permits UMass Lowell to borrow another $35 million. University plans call for an $80 million facility, which would entail raising an additional $10 million from other sources.

In nanomanufacturing, the funds will be used to expand the research centers currently in operation—the federally-funded Center for High-Rate Nanomanufacturing and the state supported Center of Excellence in Industry’s need for assistance in producing drugs needed for FDA trials.

The Varnums of Dracut: Linking Families, Building Global Ties

They finally had a boy.

The Varnum family of Dracut had three girls, Melissa, Marina (Darla) and Meghan, all born within four years of each other. Then, when the oldest went off to college—at UMass Lowell, several years ago—they decided to have another, Catherine Hanni, an exchange student from Switzerland, who came to their home and spent a year. Three years later they had another, Jana Czuckowicz, a German, who also came and spent a year. Then, finally, in August of 2004, they had a boy. He was Bjorn Gruzinger, also an exchange student, also of Germany, who—like the others—stayed a year, attended high school in Dracut and left for home at the end of finals in June.

Bjorn, who kept in touch with his family in Germany through phone calls and e-mail, conceded that he still missed them sometimes—“maybe a little more around Christmas,” he told a Lowell Sun reporter last year. “But my wonderful family here has always kept me occupied. It didn’t take long to feel like I was home.”

Bjorn, who said he would miss American fast food once he returned to Germany (“Wendy’s and Taco Bell—I don’t understand why we don’t have them there”) evened the imbalance just a little in the Varnum household last year until it was time for his return—for which Kent Varnum, the girls’ father, reverted to his perennial role as a minority of one. It was nice for a while, having an ally, he told The Sun last summer, but he’s no doubt grown re-acquainted by now to his old role of being outnumbered.

The Varnums, who had all three European visitors as part of Youth for Understanding, a non-profit program that enables young people from around the world to spend a summer, a semester or a full year with a host family in a different culture, are plainly delighted with the way the arrangement has evolved. “It’s been a real success,” says Kent Varnum. “The town enjoyed it, our kids got a lot out of it—it was just a real hit all around.”

All three visitors, he explains, arrived at the start of their junior year in high school, attended school that year in Dracut with at least one of the Varnum daughters who was also in school at the time, then returned home. “It was a good arrangement for our girls,” he says, as well as for the visitors. “It gave them someone to go to and from school with, someone to bond with; it created friends on all sides.”

Since the Varnum girls have left home for college—Melissa is a senior and Dana a sophomore at UMass Lowell, “It’s been a real success, the town enjoyed it, the school enjoyed it, our kids got a lot out of it—it was just a real hit all around.” — Kent Varnum

Meghan a freshman at UMass Amherst—the family has kept in touch with their new friends by e-mail, letters and gifts; once several years ago, they went to Paris to meet with Catherine Hanni, then stayed with her family in Switzerland for a time. They are now planning a trip to Germany.

And the influx may not be over yet. “With the girls now off at college,” says Barbara, Kent’s wife, “we’re having some trouble with the ‘empty nest’ syndrome. We’re thinking about hosting two students next year. We’ve already started looking at photographs. Maybe we’ll get a girl and a boy!”

Kent is a radar designer and engineer at Raytheon in Sudbury. The company matched a recent $2,000 gift the family made to the Lowell Fund. Barbara, Kent’s wife, is a technical writer at Brooks Automotive. The family moved from Texas to Dracut a little more than 10 years ago.
They walk past it hundreds of times a day, scores of them, sometimes alone, other times in groups, carrying their books and backpacks and cups of coffee, talking on their cell phones or to each other, on their ways back and forth between Dugan and Concordia Halls. They pass across its entrance, within three or four paces of its high French windows and doors; surely sometimes, in warm weather, one or two of them must stop to sit awhile, even to read or talk, on the high stone steps that lead up to its two front entrances. Maybe even a few of them, on some occasion or other, have taken the time to climb the little grass incline that separates it from the footpath and to walk around to its back—and there to linger for a moment on the broad, columned balcony that looks down on the river below.

But almost certainly, this is rare. For most of those students who walk past this sad-looking, red brick building on South Campus, it is all but invisible—just a deserted building that offers a driveway that can be walked across on the way to or from class.

It used to be much more than that. And it is about to be again.

When the house was built in 1854, on a hilltop overlooking the Merrimack—with one of the most commanding views of the river to be had from anywhere around—its owner, Abiel Rolfe, an agent for the Lowell to Nashua Railroad, christened it “The Terraces.” Designed in Italianate style, with brick pillars, vaulted ceilings, a slate roof, quatrefoil (cloverleaf) windows on the gables, and a fireplace in every room—even a tower, which at some point mysteriously vanished—it was hailed by locals as a triumph of period design.

Rolfe sold The Terraces 10 years after he built it. The new owner, a man named Rollin White about whom little has been written, doubled the size of the house a year later—with a perpendicular addition on the side that faces what is today Concordia Hall—then sold it himself in 1890 to a Republican congressman named Charles H. Allen, who ran for, and lost, the Massachusetts governorship the same year.

Allen was a local titan. A former member of the Lowell school committee, by then a U.S. Representative, he would be appointed by President McKinley as assistant secretary of the Navy, then, in 1900, as the first civilian governor—later ambassador—of Puerto Rico. For nearly 20 years after that, he would serve as vice president and director of the Morgan Trust Fund, or J.P Morgan, as it would soon come to be known.

He was also an accomplished cello player, as well as an art collector. As an outlet for these interests, he added a music studio and art gallery to his already-sprawling home—which, sometime around that time, came to be known as Allen House. He died there quietly, an old man by that time, in the spring of 1934.

A daughter inherited the home, but left the city and couldn’t keep it. It was sold in the mid-1940s to a Franco-Catholic order known as the Grey Nuns of the Cross of Ottawa, who housed their novices in an adjacent wooden garage, then converted much of the house’s upstairs into a religious meeting room, ringed by decorative woodwork that can still be seen today.

The nuns wanted to build a home for Lowell’s elderly Franco-Americans. When they determined that Allen House would be too small for their purposes, they put it on the market to raise funds; the buyer was Lowell State Teachers College—the then-proprietor of today’s UMass Lowell South Campus—whose president, Daniel O’Leary, bought the nuns’ home and garage together with an adjacent property, the Battles Home for elderly men of the Masonic Order (on the site of today’s Concordia Hall), for $160,000 in August of 1957. The nuns got their nursing home, D’Youville Manor, which they located in Dracut, while the Battles trustees used the funds to buy a red brick...
by the end of next year (2006).” The first phase, he says, will be the completion of the building’s mechanical systems—air conditioning, electrical, sprinklers—plus a renovation of the first floor. This will be followed, probably beginning in early ’06, by the construction of an elevator and all second-floor renovations.

Allen House today, at least to judge by a cursory tour, has the look of a grand lady long neglected. Its columns, roof and masonry, for a building as old as she is, still seem solid and mostly intact; but there is chipped brick around the corners, the granite steps are sagging, the floors are uneven in places, and the roof is said to let in rain. Inside, there are missing balustrades on the stairways, the ornamentation is chipped or faded, the vaulted ceilings need new beams.

“It will all be done,” says Valdes, who adds that much of it, at least on the first floor, is going to look very close to the way it looked a century ago. Or at least that’s the intent.

“The fireplaces, the outside balcony, the woodwork, the window moldings, the ceilings—we’re going to keep as much of it as we can. To replicate the detail, the beauty of that work—those are the kinds of challenges a good craftsman really loves.”

Sometimes, he says, he enjoys imagining the final fruit of all this planning and effort—the day of the new Allen House’s first public gala, a year or two from now:

“It’ll be a warm, sunny spring day. The work will all be done, the gallery will be open, with an art exhibit on its walls. And they’ll throw open the doors to the outside to let the air in, and you’ll be able to see the river in the distance and feel the breeze on your face…”

The resurrection will come soon. Just how soon is hard to say exactly, but, sometime not long after the winter of 2006, Allen House will reopen—in a new incarnation which, at least in spirit, will not be so awfully far from the old.

The showpiece, much as in Charles Allen’s day, will be an art gallery. An exhibition space for shows by student and faculty, it will be the gift of two alumni, Frank and Mary Jo Spinola (see accompanying story), and will share the first floor with a conference room, administrative space and the office of the dean of Arts and Sciences. The second floor will be given over to a faculty lounge, a presentation hall for University functions, and additional office and administrative space.

The cost of the project, which will be completed in two phases over the next 12 to 18 months, is expected to be around $1.5 million, says Project Manager Hector Valdes of the UMass Lowell Office of Facilities. Of this, $125,000 will be donated by the Spinolas; the remainder will be paid out of the Chancellor’s Operating Fund.

“I don’t want to make any specific promises about times and dates,” says Valdes, “because a lot of things can happen along the way. But the bulk of work, certainly, should be completed
The Spinolas: Giving to Art, to Scholarship, to Families Who Need a Hand

by Geoffrey Douglas

The art gallery that will be the showpiece of the new Allen House, which in turn will be a jewel of the UMass Lowell South Campus, is the gift of a couple whose reasons for giving it have less to do with art than simple civic pride.

“Mary Jo is from Lowell,” Frank Spinola says of his wife of nearly 40 years. “She grew up there, and still feels some attachment to it. It just seemed right to her. It was an empty-nest sort of thing, I guess, you’d say. The kids were gone, and I missed them. I missed the soccer games, the school plays—I missed being a part of all that. So I got involved with Big Brothers. And it just grew from there.”

Outside of his professional life, he has become deeply involved with the Big Brother and Big Sisters organizations, where he served as a volunteer for more than 10 years. It began for him, he says, when his two children, Alex and Andrea, both now grown, first moved out of the house.

“It was an empty-nest sort of thing, I guess you’d say. The kids were gone, and I missed them. I missed the soccer games, the school plays—I missed being a part of all that. So I got involved with Big Brothers. And it just grew from there.”

— Frank Spinola

The tuition was $150 a semester, which was what I could afford at the time. And it had a great engineering program. But I didn’t know a soul.”

Frank and Mary Jo both graduated in 1966, he from Lowell Tech with a degree in chemical engineering, she from Lowell State Teachers College with a degree in elementary education. They had met earlier the same year, when Frank rented an apartment on Wilder Street that was owned by the friend of a professor he had. The friend had a daughter, Mary Jo Roberto, whom Frank began seeing on a regular basis—“and pretty soon,” as he recalls it, “my landlord was also my father-in-law.”

Over the years, he says, what he has come to value most about the four years he spent here is what he likes to call Lowell Tech’s “of the people” style of education—which, from what he can tell, remains the style today:

“Unlike at a lot of big universities, the faculty at Lowell came pretty much right out of industry. They brought real, practical hands-on experience with them to the classroom.”

— Frank Spinola

“The tuition was $150 a semester, which was what I could afford at the time. And it had a great engineering program. But I didn’t know a soul.” — Frank Spinola

and I missed them. I missed the soccer games, the school plays—I missed being a part of all that. So I got involved with Big Brothers. And it just grew from there.”

It has grown indeed. Frank serves today on the boards of Big Brothers and Big Sisters of Greater Pittsburgh, and of Family Resources of Allegheny County, a group that works to prevent child abuse and to counsel its victims. He is also on the council of the McGowan Institute, a research organization devoted to regenerative medicines and artificial organs. And a second gift to UMass Lowell from the Spinolas—in addition to the $125,000 they will give to create the art gallery—has its roots buried deep in the Big Brothers program.

That gift, also of $125,000, will create the Francis M. and Mary Jo Spinola Endowed Scholarship Fund, which will provide scholarships to undergraduates, with preference given to two groups: students who have been raised in single-parent households and those who have been involved with the Big Brothers/Big Sisters program, either as mentor or beneficiary.

“It’s just a cause we believe in,” says Frank Spinola. “It’s done a lot of good, I think, for a lot of kids who would otherwise have nowhere else to turn.”

The Spinola family, all three generations, at a recent family gathering.

The Spinola family, all three generations, at a recent family gathering.
Taking part in UMass Lowell night at a Lowell Spinners baseball game (Class A affiliate of the Boston Red Sox) are from left, Steve Rogers, University advancement; Jeff Penfield, Janine and Bob Penfield ’80, Kris Beaudette ’74, Lou Beaudette ’74, John F. Kennedy ’70 and Jim Nolan ’71.

Baltimore area alumni gathered for a picnic and a Boston Red Sox game at Camden Yards are from left, Allen Vieira ’74, Priscilla Butler ’74, Greg Vieira and Scotty Vieira.

Worcester area alumni gathered at SPOR Italian Café to hear from campus representatives on some exciting initiatives, including a new effort to launch a local chapter to help with admissions recruiting and networking. Prof. John Warner, far left, director of the Center for Green Chemistry, spoke about his work and that of his graduate students in this exciting field.

New York area alumni who enjoyed an evening of dinner and theatre are front row from left, L. Donald LaTorre ’60, Leah Lane, Gloria LaTorre and Kathy Laska. Back row from left, Carol Salter, University Advancement; Stewart Lane, Bonnie Comley ’81 and Buh Laska ’75.

Attendees at the New York evening of theater included, front row from left, David Pernick ’41, Frances Pernick, Beverly Siegel and Melvin Siegel ’48. Back row, from left, Susan Posner ’94, Brian Andrilek ’95 ’97, University Advancement; Jessica Haynes ’04.

State Teachers classmates from 1940 celebrated their 60th reunion at this year’s Golden Alumni luncheon held on campus as part of Fall Festival Weekend. From left are, Mary Lagasse, Carmelle Marquis Lacey and Ruth Caddell Johnston.

Class of 1965 State Teachers College at Lowell

Class of 1965 Lowell Technological Institute

Class of 1955 State Teachers College at Lowell

Class of 1955 Lowell Technological Institute

Class of 1960 Mass State College at Lowell

Class of 1960 Lowell Technological Institute
Ten years ago, as a senior majoring in electrical engineering, Panos Tokadjian learned a lesson in Prof. Donn Clark’s senior-thesis class that he credits with much of the success he’s enjoyed in life since then.

“He taught us to keep notes of everything—everything,” Tokadjian remembers. “It was a priceless lesson. I’ve never forgotten it; I’ve never stopped living by that advice. I can’t express how important it’s been for me.”

Tokadjian, who graduated in 1995 and is today the chief engineer at the Hingham Municipal Lighting Plant, also recalls the influence of Prof. Ziyad Salameh, who, he says, “took a real interest in what I was doing” at the time as a student intern at the Concord Municipal Light Plant. The teachers in general, he says, were “amazingly helpful, though at the time I don’t think I had much appreciation of that.”

Tokadjian, an Armenian who was raised in Lebanon and came to this country at 16—his father, now retired, was a lab technician at Textron—has contributed more than $4,000 to the University since his graduation 10 years ago.

“Without the education I got at Lowell,” he says, “I can’t even imagine what I’d be doing today—certainly not what I’m doing. Ever since I got out in the real world and saw the value of what I learned there—well, let’s just say that whenever I get a call from the school, I give whatever I can.”

After working part-time as an intern for the Concord utility through most of his University career, he accepted a job with the same company the year after his graduation and remained there nearly four years. Then, in the spring of 2000, he went to work for the Hingham utility, where he has been ever since. If it’s up to him, he says, it’ll be a long while before he works for anyone else.

“This is a dream job, an exciting job—mostly because it’s so many jobs in one. I work in the office, as a project designer, an engineer, a field supervisor of construction, I do some purchasing work. There’s just nowhere else I know of where I could duplicate this. It’s the perfect job. A lot of times in this kind of work, you end up doing paperwork most of the time. And that’s just not for me.”

It’s no surprise that the chief engineer’s job is as challenging and varied as it is. The activities of the Hingham engineering division, as described briefly on the company’s website, include “design, construction, administrative and technical services… construction and maintenance of the electrical transmission and distribution system,” the expansion and improvement of “all existing electrical-utility facilities, the updating of accurate maps and database information…” and the coordination of new services.

“It’s a complicated job,” says Tokadjian. “But it’s the only job I’d want to be doing right now.”

The utility, which began 110 years ago with 58 customers and 300 street lamps, is responsible today for the maintenance and working technology of roughly 10,000 electrical meters, in a town with a population of around 25,000. But the growth is dramatic, he says: “That’s another reason to love this job—the town is growing really fast.”

Tokadjian, who is 35 and still single, lives in Arlington near his parents, who are retired there. Every morning, he makes the 45-minute trip south to Hingham on I-93. “It’s a fair distance,” he says, “but not a bad commute. I’m going south while everybody else is going north. That makes for a pretty nice drive.”

Life in general, it seems, has been a pretty nice drive so far for Panos Tokadjian—who seems to have nothing but good words to say about the path he’s chosen, beginning with his choice of schools.

“I don’t even like to think of where I’d be without the University,” he says. “Probably flipping burgers somewhere.”
Taking part in a “Golden Oldies” reunion of LTI graduates at Stonehill Country Club in Easton, Mass. recently were, from row from left, Harvey Fishman ’51, Donald Finegold ’53, Sherman Levin ’52, Irwin “Sunny” Needle ’51 and Stanley Rosenkranz ’50, and, standing from left, Arnold Brady ’53, Milton Gladstone ’52, Charles “Chuck” Weiner ’50, Arthur Levinson ’50, Joel “Sunny” Berger ’53, and Irwin Ames ’52.

Vivian Dover, a behavior therapist at the school, said that the students did not appear to be traumatized. “The day seems to have been a good one,” she said.

Actually, it was. The students were happy and the day was sunny. It was a good day for everyone.

Notes

1950

Taking part in a “Golden Oldies” reunion of LTI graduates at Stonehill Country Club in Easton, Mass. recently were, from row from left, Harvey Fishman ’51, Donald Finegold ’53, Sherman Levin ’52, Irwin “Sunny” Needle ’51 and Stanley Rosenkranz ’50, and, standing from left, Arnold Brady ’53, Milton Gladstone ’52, Charles “Chuck” Weiner ’50, Arthur Levinson ’50, Joel “Sunny” Berger ’53, and Irwin Ames ’52.

1975

Norman D. Gale writes that after graduating from Lowell Textile he returned to military service in the Korean War. Although now semi-retired, he has been in the garment industry since 1952 and is still selling apparel. Norman has three children, five grandchildren and has been married for 58 years to wife, Peggy.

1977

Ellen (O’Donnell) D’Oro hate works in health services at World Bank headquarters, conducting international medical evacuations and providing health briefings to officials on resident assignments. She has visited health facilities in Malawi, Bangladesh, Nepal, Cameroon and Chad and is also studying art and Spanish in her spare time. Her husband, Peter, is actively involved with the State Department’s Office of Environment and Science, working on international forestry projects in Ethiopia, Sierra Leone. They have three children, Ian, Kate, and Peter.

1980

Alan Mosier recently co-authored an international anti-bullying storyline/curriculum tool called, “Jeff’s Journey,” that is being distributed through Daxx, Inc. It is available to elementary/middle schools and violence prevention programs across the country. Alan is a veteran teacher as the Reading Public schools.

1987

Janet (Donkis) Audunson recently joined the Syracuse office of Hecksch & Barclay LLP as an associate attorney. She brings 25 years of comprehensive engineering and management experience in the power generation field with a concentration in hydroelectric and fossil-fueled generation to her regulated entities practice. Audunson, who received her B.S. from the Philadelphia School of Optometry and his Doctor of Optometry degree from the Inter America University in San Juan, PR. He now works at the Eye Masters in Nashville, Tenn., as an optometrist.

1989

Sandra Lamb is newly employed at St. Monica’s in Methuen after teaching for 25 years at Our Lady of Mt. Carmel School, which was recently closed by the Archdio- cese of Boston. Sandra writes, “All is going well!”

1990

After graduating from UML, Clive James Thomson O.D., right, was a mechanical engi- neer for Boeing in Seattle and also as the director of Hydro Generation and Engineering Services for Niagara Mohawk. She is a licensed professional engineer in New York and a member of the New York State Bar Association and the Wom- en’s Bar Association of the State of New York. Hecksch & Barclay is a full-service law firm with 160 attorneys, providing a wide range of legal expertise to clients from offices located in Buffalo, Rochester, Syracuse, Albany and New York.

1997

2000

“Golden Oldies” reunion of LTI graduates at Stonehill Country Club in Easton, Mas...
2004

The Tewksbury Advocate’s Teacher of the Week, Barbara Jaga, received her M.Ed. from UML and has been teaching fifth grade at the John F. Ryan Elementary School in Tewksbury since 1999. Barbara works with her fifth graders on using technology in their subject areas, along with supervising students on the Internet. In addition to being a technology whiz, Barbara is also the school’s weather station coordinator, assisting the students in collecting weather data from outdoors and around the country.

Peter Demoula is a personal wealth manager at Morgan Stanley in the Danvers office. He educates clients and improves their financial situations to enable them to meet their monetary goals and objectives. He still works closely with some of the business professors at the University and enjoys the tutelage they continue to offer. He enjoys working out and following our favorite sports teams like the Red Sox and Patriots. In addition, he enjoys continuously building his knowledge of the investment industry and finding new avenues to help build financial success.

Notes

April 17 - 26, 2006
Andulucia
$2,495*, plus air
From Seville, Marbella and Granada.
Marvel at ancient ruins in the Andalucian countryside.

May 14 - 22, 2006
Scotland
From Loch Lomond to Edinburgh, admire beautiful western Scotland.
$2,495*, plus air

May 30 - June 10, 2006
Greek Isles
May 50 - June 10, 2006
Marvel at ancient ruins in the Mediterranean. Then enjoy Athens.
$2,495*, plus air

June 4 - 13, 2006
Sicily, The Cultural Season
November 4 - 13, 2006
Discover the melting pot of Sicily from Palermo to Cefalù. Later explore Rome.
$2,495*, plus air

May 14 - 22, 2006
Scotland
From Loch Lomond to Edinburgh, admire beautiful western Scotland.
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$2,495*, 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: 80 School Street, Lowell, MA 01854 978-934-3140

Donors Sought for Costello Gym Renovation

The Athletics Department is halfway toward its goal of raising $750,200 to renovate the interior of the Costello Gym. The fundraising initiative, called “Homecourt Advantage,” will help fund the installation of a new floor, bleachers, scoreboard and sound system for the gym, which was built in the 1980s.

Field Hockey Team Makes History with National Championship

Only one team finishes a season with a win, a national championship. For the first time in its history, the UMass Lowell field hockey team is that team.

The River Hawks won the Division II 2005 National Championship with a double overtime, 2-1 victory, over three-time defending champion Bloomsburg University of Pennsylvania.

The NCAA National Championship is the sixth in the university’s history, but the first ever for a women’s athletic program and the first women’s title in the University system in 19 years.

“This is unbelievable,” head coach Shannon Hbelsbich said. “At the beginning of August, I didn’t think in my wildest dreams we’d be here. But after seeing the leadership the seniors provided we knew it was a possibility.”

Possibility became a reality 92 minutes and one second after the final battle began. At that moment senior Joanna Dalko’s shot rifled from the circle, eluded the Bloomsburg goalkeeper and settled into the right side of the net and the celebration began.

“I wasn’t concentrating on scoring,” Dalko said. “I was looking at getting a corner, or shooting for the pads and getting a deflection.”

The Dalko goal was unassisted.

The DaLuze goal was unassisted.

“It was time.”

The renovation will start in March when the floor will be replaced, with the rest of the work progressing as funds are available. Skinner says he hopes the entire project will be finished by September 2006.

A fundraising brochure and appeal will be sent out soon to the university community asking for donations. The campaign will include a brick sale, where donors can give $100 or $200 for a brick, with an inscription chosen by the donor, that will be installed in the lobby of the gym. A similar campaign successfully raised funds for the Campus Recreation Center.

For more information, or to send a donation, contact Peter Casey, (978) 934-2317.

Junior Forward Sara Hohenberger gave UMass Lowell a lead eight minutes into the contest with her team-leading 25th goal of the season after receiving a pass from Courtney Hill. Hohenberger set the school record for goals and points (63) in a single season.

The National Championship put an exclamation point on a spectacular season. The River Hawks finished the year 20-3. The 2005 team set a school record by winning 16 consecutive games at one point, and finished the year winning 18 of their last 19.

En route to the title, UML knocked off semifinal opponent Stony Brook, 2-1, to average a controversial loss to the Skyhawks in the Northeast-10 Tournament Championship game and end their opponents’ 15-game winning streak.

Five members of the field hockey team were named to the Field Hockey Coaches Association Division II All America team. DaLuze, Hill, Hohenberger and Joselyn Mroz were named to the first. Kim Villare earned a spot on the second team.

This was the third consecutive trip to the NCAA National Tournament for the UMass Lowell field hockey team, and the second time the team reached the championship game, but the first time a season ended with a win.
## UMass Lowell Alumni Gift Items

### Champion Hooed Sweatshirts
- **Colors**: S/M/XL/XXL
- **Price**: $34.98

### Big Cotton Navy Crew
- **Description**: Gear For Sports navy crew with embroidered logo. Available with Lowell Tech or University of Lowell logo.
- **Price**: $24.99

### Gol Wind Jacket
- **Description**: Gear For Sports durable navy embroidered wind jacket. Available with Lowell Tech or University of Lowell logo.
- **Price**: $49.98

### Alumni Decals
- **Description**: 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 #9

### Champion Heavy Weight Sweatshirt
- **Description**: Screen-printed collegiate sweatshirt available in gray only. S-XXL. $44.98
- **Item**: #3

### University Picture
- **Description**: Framed picture available with picture of Southwick, Cummings 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.
- **Price**: $85 or $140

### Champion Heavy Weight Hooded Sweatshirt
- **Description**: College hooded sweatshirt. Sizes: S/M/L/XL/XXL
- **Price**: $44.99

### University Chairs
- **Description**: Black with cherry arms and back lasered seal.
- **Item**: #13A Armchair $369.98
- **Item**: #13B Boston Rocker $369.98

### Champion 50/50 Sweatshirt
- **Description**: Screen-printed collegiate sweatshirt available in charcoal gray. S-XXL. $24.99
- **Item**: #6

### Alumni Keychain
- **Description**: UMass Lowell logo alumni metal keychain. $5.98

### Hanes Heavy Weight T-Shirts
- **Description**: Gray heavy weight tees available in Lowell Tech and ULowell imprint. $14.98. S-XXL. Similar graphic is available on a gray MV sport tee for Lowell State at a clearance price of $8.99.
- **Item**: #4

### UMass Lowell Tapestry
- **Description**: Beautiful large woven tapestry with pictures of Coburn, Southwick, Cummings Halls and the Tsongas Arena. $64.98

### Champion Hooded Sweatshirt
- **Description**: College hooded sweatshirt. Sizes: S/M/L/XL/XXL
- **Price**: $44.98

### University Chairs
- **Description**: Available with University of Massachusetts Lowell, Lowell Textile Institute, University of Lowell, Lowell State College, and Lowell Technological Institute seals.

### Champion Heavy Weight T-Shirt
- **Description**: UMass Lowell screen-printed tee shirt. Available in gray, red or blue. Sizes S-XXL. $14.98
- **Item**: #12

### Uniwersity Chairs
- **Description**: Black with cherry arms and back lasered seal.
- **Item**: #13A Armchair $369.98

### UMass Lowell Alumni Gift Items

### Order Form

<table>
<thead>
<tr>
<th>Name</th>
<th>Day Phone</th>
<th>Class Year</th>
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<tbody>
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<table>
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<tr>
<th>Address</th>
<th>City/State/Zip</th>
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- **Payment Options**
  - Visa
  - MC
  - Amex
  - Discover

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<thead>
<tr>
<th>Credit Card #</th>
<th>Exp. Date</th>
<th>Signature</th>
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<th>Quantity</th>
<th>Description</th>
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<th>Color</th>
<th>Size</th>
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</table>

**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 bksmassnorth@bncollege.com. You may also order merchandise directly on our website at http://www.umlowell.bkstore.com.

**For additional merchandise, visit us online at**

http://umlowell.bkstore.com

**Paid Advertisement**

UMass Lowell Alumni Gift Items
UMass Lowell Alumni Gift Items

**Paid Advertisement**

UMass Lowell Alumni Gift Items
UMass Lowell Alumni Gift Items

**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 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

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: ___________________

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

News about you:

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

☐ Alumni Relations Council  ☐ College/Departmental Activities

☐ Regional Events  ☐ Regional Chapters

☐ Career Services  ☐ Class Reunions

☐ Community Service

☐ Please send me a copy of the latest Lowell Alumni Handbook, which includes information on all alumni benefits, services and activities.

Thank you!

Please check box if information is new.

Calendar of Events

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>February 25</td>
<td>Baseball Alumni Reception and Hockey Game</td>
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<tr>
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<td>UML vs. BC</td>
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<tr>
<td>February 26</td>
<td>6th Annual Alumni Relations Council Wine Dinner and Epicurean Extravaganza</td>
</tr>
<tr>
<td>March 16-20</td>
<td>Florida Alumni Gatherings</td>
</tr>
<tr>
<td>March 16-20</td>
<td>Mass. Music Educators Alumni Reception at the Boston Park Plaza Hotel</td>
</tr>
<tr>
<td>May 25</td>
<td>River Hawk Golf Classic, Sky Meadow Country Club, Nashua, N.H.</td>
</tr>
<tr>
<td>June 4</td>
<td>Commencement Ceremony at Tsongas Arena</td>
</tr>
<tr>
<td>June 14</td>
<td>UMass Night at the Pops, Symphony Hall, Boston</td>
</tr>
</tbody>
</table>

UMass Lowell Alumni Gatherings in Florida

- March 16  Palm Beach Alumni Reception at The Mar-a-Lago Club
- March 19  Alumni Gathering at Red Sox vs. Baltimore Orioles, Ft. Myers
- March 20  Tampa Area Alumni Reception, Palm Restaurant

If you have a seasonal address in Florida or plan to be in Florida and would like to join us at any of these events, please contact us at 978.934.3140 or via e-mail at alumni_office@uml.edu.

UMass Night at the Pops

June 14, 2006
8 p.m. Symphony Hall, Boston
Hosted by President Jack M. Wilson

Seating is limited, so please order early. Seats will be assigned on a first-come, first-served basis. No refunds or exchanges permitted. Proceeds from our corporate sponsors will be designated for student scholarships on each of the five campuses.

For ticket information, go to www.massachusetts.edu and click on UMASS NIGHT @THE POPS.

Order tickets by phone at 617-287-5772 and have credit card information available. Questions? E-mail foundation@umassp.edu.

Thank you!