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# The Campus Chronicle

Vol.XVIII, No. 14 December 6, 2002

for the Amherst campus of the University of Massachusetts

## News Briefs

### State revenues rose during November

Boosted by a tax amnesty program, state revenues increased by \$16 million in November, but are still lagging 1.6 percent below last year's level, according to Secretary of Administration and Finance Kevin Sullivan.

The unexpected infusion of funds will allow Acting Gov. Jane Swift to reduce the amount of cuts she will make before leaving office in January. However, Swift is still expected to announce a \$99 million cut in state spending this week.

Sullivan said the Swift administration wants to have balanced budget in place when Governor-elect Mitt Romney takes office on Jan. 2.

As part of that effort, Swift is still pushing several measures, including a new early retirement incentive program, reducing payouts on state lottery winnings and introducing a tiered system for state employee contributions to their health insurance plans. The three initiatives would save the state about \$42 million, according to Sullivan. All three measures require legislative approval.

Originally projected to bring in about \$43 million, the tax amnesty program generated at least \$55 million by the Dec. 2 deadline. Department of Revenue officials say the program may raise as much as \$70 million.

Budget analysts still project that the state could fall \$2 billion short in the next year. Revenues are not expected to increase substantially until the April income tax filing deadline, when a \$1.2 billion tax increase will go into effect.

### No issues during holiday period

Due to the observance of the Christmas and New Year's holidays, the Chronicle will not be published on Dec. 27 and Jan. 3.

The Dec. 20 issue will include listings and notices for the period through Jan. 10. The deadline to submit those items is Friday, Dec. 13.

During Intersession, the Chronicle will be published on Jan. 10, 24 and 31. There will be no issue on Jan. 17.

For deadlines and related information, visit the Chronicle's Web site ([www.umass.edu/chronicle](http://www.umass.edu/chronicle)) or call 5-4818.



### Gearing up for the holidays

A wreath decorates a bicycle parked outside Herter Hall.

Stan Sherer photo

## Heating plant site work set to begin

**Daniel J. Fitzgibbons**  
 CHRONICLE STAFF

Weather permitting, site preparation for a planned \$85 million central heating plant is scheduled to begin this week, according to John Mathews, assistant director for Campus Infrastructure Projects at Facilities Planning.

After the installation of a six-foot fence at the site, workers will begin removing the Llewellyn Derby Track, which hasn't been used for competition for several years, said Jim Patulak, associate athletic director for Facilities. The track is located north of the Amherst wastewater treatment plant on Mullins Way.

Once the track facility is dismantled, said Mathews, gravel fill will be placed on the site to compress underlying clay and silt deposits that are remnants of glacial Lake Hitchcock. Using gravel to pack down the soil was chosen over the more costly method of driving piles to support the foundation, he said.

dation, he said.

Engineers expect the site to settle two feet before construction of the heating plant's foundation begins in 2004, added Mathews. The new plant, which will provide steam and electricity to the campus, is expected to begin full operation in 2006. Construction of the facility is being funded through the University of Massachusetts Building Authority.

The location was selected by campus and building authority officials after an extensive site evaluation process conducted with the assistance of Vanderweil Engineers Inc., of Boston.

When the site was announced in early July, Facilities Planning director James Cahill said, "We have carefully considered the environmental, economic, technical, and community concerns affected by the siting of such an important energy facility. We're pleased to be moving forward with this

project as it is essential to provide reliable steam to service the existing campus buildings and future campus development."

The proximity of the wastewater treatment plant also offers some potential environmental benefits, said Cahill, who noted that the existing 60-year-old heating plant uses approximately 250,000 gallons of water from the Amherst public water supply system and its wells on a typical winter day. "The University hopes to reuse the effluent discharge, or gray water, from the Amherst wastewater treatment facility to make steam in the new plant, and conserve the town's natural water supply," says Cahill.

In addition, the new plant, which will burn both fuel oil and natural gas, is expected to reduce greenhouse gas and ozone-producing emissions. Coal is the primary fuel at the current steam plant.

Along with producing steam to heat campus buildings and running chillers for air conditioning systems, the new plant's gas turbine generators also will produce electricity to meet the base campus electric load of 10 megawatts, or about 10 million watts per hour.

The new plant is being designed by Vanderweil Engineers Inc., and Cambridge Seven Associates Inc.

According to Mathews, the architects are taking great care to ensure that the heating plant will blend with the campus, particularly the nearby Mullins Center, SEE PLANT, PAGE 3

## Lombardi, Bulger give joint talk

**Sarah R. Buchholz**  
 CHRONICLE STAFF

Chancellor John Lombardi and President William Bulger spoke about the University's role as the economic engine in the commonwealth at a gathering hosted by the Technology Enterprise Council in Springfield Dec. 3. The event was co-hosted by the Regional Technology Alliance.

The pair answered questions from the audience and expounded on the impact better resources for the Amherst campus might have on its ability to contribute to technology-based businesses in the region.

"How much money do we need?" Lombardi said, repeating one of the written questions. "Well, just tons of it."

"The thing that distinguishes great research institutions from other universities is they've got more money."

Lombardi said "talent drives the University" and that while the campus has outstanding faculty, it doesn't have enough of them. Getting more talent on the Amherst campus requires funds not only for salaries but also for infrastructure, he said. If the Amherst campus lacks appropriate lab equipment, he explained, prospective faculty will go elsewhere. To have a great university requires competing for top quality people, he said.

"We play from strength," Lombardi said of areas in which the campus might enhance technology in the region. "We play to where the market's growing." The National Institutes of Health budget has been increasing, and Lombardi said he hopes that the University can provide basic science and Bay State Hospital can provide a clinical environment that in collaboration will carve out a niche that makes an attractive recipient for NIH funds.

"The University has been winning its fair share," Bulger said of grant money. He noted that the University stands third, behind Harvard and MIT, in the acquisition of such funds.

Bulger also said he believed he and Lombardi made a good fundraising team.

"You do the serious work, and I'll entertain," he quipped to Lombardi.

Of his own attitude toward acquiring the resources the University needs to partner effectively with local industry, Lombardi said, "If there's a nickel on the table, and you haven't asked for it, you're not doing your job."



Stan Sherer photo

Llewellyn Derby Track, whose poor condition has limited its use to practice in recent years, will be removed to make way for a new central heating plant for the campus.

## Enghagen to lead SITEC workshop

Associate professor of Hotel and Tourism Management Linda K. Enghagen will discuss pressing legal and ethical issues important to all chief information officers at the Strategic Information Technology Center (SITEC) workshop on Thursday, Dec. 12, 3:30-5:30 p.m. in 201 Isenberg School of Management.

In her presentation, titled "Law and the Information Age," Enghagen will explore a range of legal concerns germane to information technologies with emphasis upon intellectual property issues. Enghagen holds a J.D. from the Suffolk University Law School.

As Deborah Radcliff reported in Computerworld recently, "Chances are, bits and pieces of your company's intellectual property are floating around cyberspace. A corporate web site is a virtual gold mine for competitive intelligence gatherers...Before your company puts anything on the Web, ask yourself, 'Is this something that our company would want for public viewing?'"

Register for the session by e-mail (akelly@som.umass.edu).

## Library adds hours

With support from the campus administration, the Du Bois Library has extended its hours of operation for the end of the semester.

The additional funding has allowed the Library to restore some hours which had been reduced for budgetary reasons. Based on use statistics and user complaints and concerns, priority hours were identified in the development of the expanded schedule.

The Library is continuing to look at the full restoration of hours at the Du Bois and branch libraries, according to a press release issued before the Thanksgiving break.

The revised hours are as follows:

Friday, Dec. 6, 8 a.m.-6 p.m.

Saturday, Dec. 7, 10 a.m.-6 p.m.

Sunday, Dec. 8, 1 p.m.-2 a.m.

From Monday, Dec. 9 through Thursday, Dec. 19, the Library will be open 7 a.m.-2 a.m.

Friday, Dec. 20, 7 a.m.-midnight

Saturday, Dec. 21, 7 a.m.-noon.

Final exams end Dec. 21.

## Basketball season tickets still on sale

Men's basketball season tickets are still available through the Dec. 7 Commonwealth Classic home opener against Boston College. Season tickets for 14 home games are \$252 for faculty and staff and \$266 general public.

Single-game ticket orders are being taken by the Athletic Ticket Office and will be filled once season ticket sales are complete.

Holiday Packs, which cost \$40 each, include one ticket for games against Rider (Dec. 23), Marshall (Dec. 28) and North Carolina State (Jan. 2).

The highly popular Family Day promotion will also return for games against Marshall (Dec. 28), Fordham (Feb. 1) and Duquesne (Feb. 23). For \$50 per game on Family Days, fans will receive four tickets, four hot dogs and four sodas.

The game against Lafayette, which will be held at the Springfield Civic Center on Dec. 21 will also feature the opportunity for fans to purchase four tickets for \$50. In addition, fans who purchase the Lafayette family package will receive four admissions into the Basketball Hall of Fame's party to celebrate the game of basketball's birthday.

To purchase tickets, call 5-0851.



Stan Sherer photo

### Coming attractions

First-year student Alison Despres (left), sophomore Jen Sterling, and senior Nicholas Hernon review spring semester courses posted in the hallway of the Theater Department. Pre-registration for spring courses ended Dec. 3.

## 51-week payroll may affect 403(b) and 457 planning

Employees enrolled in deferred compensation plans may wish to adjust their withholdings to address an anomaly in this year's payroll schedule, according to the Division of Human Resources.

When converting from a weekly to a bi-weekly pay system in March, the University was required to synchronize its pay schedule with the Commonwealth's. Due to the timing of the conversion, there are 51 weeks of payroll activity in tax year 2002.

As a result, employees who have payroll deductions for a 403(b) annuity or a 457 deferred compensation plan should note that

their annual withholdings may be slightly less than they anticipated at the beginning of the year. Employees can adjust their withholdings to meet their targeted deferred compensation goals before the final paycheck for tax year 2002 is issued on Friday, Dec. 20.

Anyone wishing to increase these withholdings for that pay date may do so as follows:

Participants in 403(b) plans should obtain a salary reduction agreement from the Treasurer's Office Web site ([www.umass.edu/treasurer/](http://www.umass.edu/treasurer/)) and fax the completed form

to Paula Masse, Treasurer's Office, 587-2067 no later than Dec. 13.

Employees enrolled in 457 plans should call Lisa Scaghirani, representative for the plan, at 548-3988 ext. 213, before Dec. 13.

Any changes made to the amount deducted for a 403(b) or 457 by Dec. 13 will remain in effect until the employee submits a new withholding request. Employees may want to assess their contribution goal amounts for the next tax year and contact the Treasurer's Office, 587-2050, for information about the new 2003 contribution limits.

## Academic Computing offering faculty training in January

The Academic Computing component of the Office of Information Technologies is offering several opportunities in January for faculty to develop their professional skills in the use of Web sites to support learning and teaching.

Faculty who are interested in learning how to post a simple Web site for their classes should sign up for "Building a Course Web Site (Why and How)," scheduled for Jan. 14-16 from 9:30 a.m.-2 p.m. The session includes lunch and open afternoon work sessions. The three-morning workshop consists of two parts. The first part, on Jan. 14, uses demonstrations and discussions with faculty who currently use Web sites to help them explore the specific ways a Web site can address the pedagogical or practical challenges faced in their courses. The second part (Jan. 15-16) is a hands-on site-building workshop based on the plans developed in the first session. Combining demonstrations of Dreamweaver with ample work time, the goal is to have participants complete the workshop with a posted site and the skills to maintain

and expand it.

Register by calling 7-0072 or via e-mail (accofac@oit.umass.edu) by Dec. 30. Details, including daily agendas and prerequisites are available online ([www.umass.edu/acco/workshops/faculty.html](http://www.umass.edu/acco/workshops/faculty.html)).

Faculty who already have a course Web site, but are interested in providing students with more interactive elements, should contact Academic Computing about

setting up a custom introduction to WebCT. WebCT makes it easy to create a site with online discussions, quizzes, student project areas and other features.

Informal WebCT training sessions for individuals and groups are being arranged during January. Individual faculty or departments can contact Doris Peterson at 5-3957 (peterson@oit.umass.edu) to schedule a consultation.

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(413) 545-4818

## The Campus Chronicle

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# Microorganisms cleaning Boston Harbor, says study

**Elizabeth Luciano**  
NEWS OFFICE STAFF

Microorganisms are cleaning up contaminants in the mud beneath Boston Harbor, and if humans prevent future fuel spills and leaks, the harbor could potentially cleanse itself within the next 10 to 20 years, according to campus researchers whose findings were detailed in the Nov. 15 issue of the journal Environmental Science and Technology.

The work was funded by the Office of Naval Research.

Scientists had previously determined that these contaminants, called polycyclic aromatic hydrocarbons, or PAHs, could biodegrade if suspended in water. But it was also believed that once PAHs

sank into the silt at the bottom of the harbor, they could not be oxidized or degraded — a theory that the new study challenges.

“This is important because it demonstrates that the self-purification capacity of the harbor is much greater than previously recognized,” said Microbiology professor Derek Lovley, a co-author of the paper. “Furthermore, if future spills of contaminants can be eliminated, the harbor may get cleaned up in large part due to natural activity without the requirement for expensive remediation strategies. It does give us hope for the longer term, if practices change.”

Marine harbors are frequently polluted with contaminants from

fuel spills, industrial waste, shipping activities, runoff, soot, and creosote-treated pilings, Lovley said. Although some chemical portions of these contaminants readily degrade, PAHs tend to accumulate in the sediment.

“They’re not very soluble in water, and they don’t react chemically with many other compounds,” said Lovley, “so they collect in the mud at the bottom of the harbor.” Previous research has shown that PAHs accumulate in fish and other aquatic animals, and are often associated with cancers in some fish. Some PAHs are highly toxic, and are suspected carcinogens in humans.

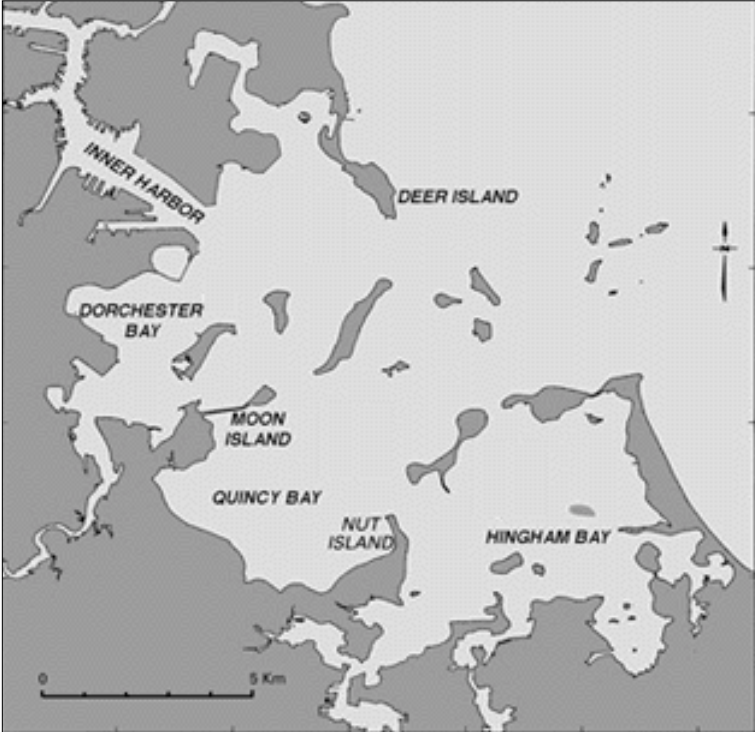
The research team was prompted to study the issue after earlier research by Lovley found that benzene degrades in the absence of oxygen, in certain conditions. PAHs are essentially groups of two to five benzene rings, Lovley noted. His collaborators on the Boston Harbor project were Mary Rothermich, a former postdoctoral researcher at UMass who is now at Harvard University, and Lory Hayes, a former graduate student who now works in industry.

their other food sources with sulfate. In this way they can remain active in the mud at the bottom of the harbor where there is no oxygen.

In addition to Boston Harbor, the team also studied marine contaminants in San Diego, Calif., and in Latvia. For the local portion of the project, Boston Harbor sediments were pulled from the harbor near a former coal-tar plant in an area of Everett known as Island End. Coal-tar works had been in production in the area from the late 1800s to about 1960, according to Lovley. The sediments used in the study overlaid the site of a leaking underground storage tank that had been removed in the 1980s, he said.

Scientists monitored the sediment samples in the lab, replenishing the samples with fresh harbor water roughly once a month. They found that the PAHs in the collected sediments broke down 20-25 percent over 338 days — a little less than a year. “In a way, it seems slow, but if you’re thinking about the alternatives, it’s not bad to have some patience,” Lovley said.

He noted that other alternatives for removing the contaminants, including dredging, are expensive and disruptive to the marine environment. Dredging also creates the additional problem of how to dispose of the contaminated mud. “Of course, you don’t want to say, ‘Oh, it’s okay to keep dumping this stuff.’ The fact that it’s even there shows that the spillage rate is too fast for nature to keep up with. You have to actively protect the environment.”



A new study raises hopes that Boston Harbor could cleanse itself over the next two decades.

## Faculty Senate puzzles over Athletics Department budget

\$1m cut was ‘real,’ says council chair

**Sarah R. Buchholz**  
CHRONICLE STAFF

The annual presentation of the Athletics Council to the Faculty Senate turned into an accounting discussion Nov. 14 as senators struggled to make sense of the Athletic Department’s budget. At issue was the substance of a \$1.1 million cut to the Athletics budget announced by the administration last year.

In a vote Feb. 14, the senate recommended that the campus contribution to the Athletics budget be reduced by \$2 million over the following four years. On March 11, the administration said it would cut seven intercollegiate sports in order to save \$1.1 million.

Senators questioned the reality of the budget cut when they noted that the total revenues of the department were projected to increase between FY02 and FY03. While the Athletic Council’s report showed that budget lines “Total University Allocations” and “Additional University and Trustee Allocations” were reduced by a total of \$1.04 million, Athletic Trust Fund revenues rose by more than \$1.1 million.

“The total revenues and expenditures from last year to this is approximately the same,” said senate secretary Ernest May. “In my department, which was hard-hit by early retirements, the actual total bottom line like that went down by about 20 percent.

“And yet we did lose seven sports in this. So I think for the public information, I would ask the question of what is the explanation for this?”

“There was a \$1 million cut in the budget,” said Nelson Lacey, co-chair of the Athletics Council. “It was a real cut.” Lacey said that about \$500,000 was returned to Athletics on a one-year basis to cover severance pay for the coaching staffs of the eliminated sports, to honor the scholarships of athletes from those sports, who had been expecting their funding to last until graduation, and to pay a “special health-insurance fee.”

Most of the other half of the cut was, in effect, erased by increases in fees, room and board to scholarship students, Lacey said.

“I think we all know that fees, room and board went up last year,” he said. “If we’re going to run an athletic program and we’re gonna give scholarships, every time fees, room and board are raised, so will be the commitment

to the scholarship aids to those athletes. And so, I would say that I view those as inflationary costs that are going to increase every year as long as we have athletic programs here. They’re never going to all go away. And I think if you total that all up, it gets to about the million dollars.”

Lacey added that the budget for FY03 includes some “forecasting” of the expense of sending athletes to NCAA tournaments. Because the campus can’t know in advance how far any of its teams will advance in post-season play, the budget for supporting post-season travel and play is uncertain.

Faculty representative to the Board of Trustees Brian O’Connor asked whether the Athletic Trust Fund Revenues came from students in the form of a fee.

Interim Deputy Chancellor John Dubach said the increase in trust fund revenue came from an increase in student fees, which allowed the University to decrease its contribution to the Athletics budget.

“The portion of the student fee to go to Athletics went up at the same time an approximately equal amount of money from the operating funds of the University that went to Athletics went down,” he said.

When senators expressed concerns that students are paying a higher Athletic Fee and that the “cut” was invisible to them, interim Vice Chancellor for Administration and Finance Joyce Hatch said that the dire budget situation last year had prompted trustees to raise several fees, including the Athletics one, to make up for the unexpected shortfall in state support.

Lacey added that because fees went up for all students, scholarship monies for student athletes had increased by several hundred thousand dollars this year to cover the difference. If Athletics funding had continued in the vein it was in, he said, the budget would have increased by nearly half a million dollars in order to cover Title IX compliance corrections (an additional \$50,000) and the increase in scholarship monies needed to support student athletes.

Lacey concluded that, by cutting seven sports, the University saved nearly \$500,000 this year, and barring fee increases, would see an additional savings next year of the other \$500,000 in one-time fees. But he warned that fee increases are likely to continue and that this would preclude seeing a \$500,000 drop in the Athletics budget next year.



Grace Fey: ‘Complete and unwavering’ support for Bulger.

## Bulger called to testify in probe of FBI

**Daniel J. Fitzgibbons**  
CHRONICLE STAFF

A congressional committee investigating FBI misconduct has subpoenaed President William M. Bulger to testify about his older brother, fugitive crime boss and FBI informant James “Whitey” Bulger.

Appearing at a Regional Technology Alliance event on Tuesday in Springfield, Bulger told reporters that he was awaiting advice from his lawyer about appearing before the House Government Reform Committee hearing in Boston on Dec. 6.

Earlier this week, The Boston Globe reported federal grand jury testimony that Bulger allegedly gave about his brother last year. According to the Globe, Bulger said he last talked to his brother in January 1995, the same month the mobster was indicted. Bulger was state Senate president at the time.

The leaked testimony from the secret grand jury prompted an angry response from Board of Trustees Chair Grace K. Fey, who defended Bulger as a “man of honor, decency and integrity.”

“William Bulger is a man of great loyalty,” said Fey. “Over the course of his life, he has been loyal to family, his constituents, the Legislature, the University and to the Commonwealth as a whole. I regard his loyalty as a badge of honor.”

Expressing “complete and unwavering” support for Bulger, Fey called the leaked testimony an “unconscionable violation of the grand jury process.”

Chancellor John Lombardi indicated this week that he is in full agreement with Fey’s stance.

which also was designed by Cambridge Seven Associates. A final design is expected next month, he said.

“It’s going to be a nice looking building,” said Mathews.

After the new heating plant goes online, plans call for the demolition of the existing facility.

Plans also call for the construction of a new track near the new soccer and softball fields at the north end of Stadium Drive. The track is scheduled to open in 2004.

## Site work set

PLANT  
CONTINUED FROM PAGE 1



*'When the moon hits you  
eye like a big pizza pie'*

## Trehub's 'moon illusion' theory draws new notice

**Daniel J. Fitzgibbons**  
CHRONICLE STAFF

Nearly everyone's experienced the "moon illusion," that brief time when the celestial orb looms huge on the horizon and then seems to shrink away as it rises into the night sky.

More than a decade ago in his book, "The Cognitive Brain," adjunct professor of Psychology Arnold Trehub offered a neurological explanation for the illusion that has tantalized skywatchers for centuries. Now a new book is giving new credence to his theory about the moon illusion.

In their newly published work, "The Mystery of the Moon Illusion," Helen E. Ross of the University of Stirling and Cornelis Plug of the University of South Africa credit Trehub with developing a "wide-ranging" model that offers "levels of explanation at the purposive level and at the neurological level."

For nearly 30 years, Trehub worked at the Veterans Administration Medical Center in Leeds, where he directed a research laboratory focusing on psychology and neurophysiology studies. Though he retired from the VA in 1982, Trehub sustained a keen interest in the workings of the human brain, which led to the writing of his book, which was published by the MIT Press.

"I wasn't trying to solve the moon illusion. I was trying to figure out how the brain does important cognitive work having to do with imagery," he said. "We attribute functions to the brain that are taken for explanations for what people do. That wasn't satisfactory for me."

Trehub's explanation of the moon illusion places him in the company of scores of philosophers, astronomers and psychologists who have tried to unravel the riddle for more than 2,000 years. The mystery even attracted the attention of Aristotle, who suggested that atmospheric vapors magnified objects near the horizon. Up until the 16th and 17th centuries, the moon illusion was attributed to refraction, the same effect that make objects appear larger under water. As science progressed, more complicated theories of human perception were posited.

As Trehub notes, "All the explanations were found wanting."

Moreover, as human perception was studied more and more, some curious contradictions arose, he said. For example, people generally perceive the sky overhead to be closer than the horizon. That perceptual "flattening" of the vault-shaped sky should mean the moon on the horizon would be seen as farther away, but instead it's generally visualized as closer. "The reasoning is kind of flaky," said Trehub.

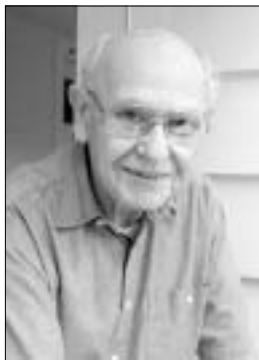
Another visual phenomenon, known as size constancy, also added to the debate. Size constancy is the ability of

humans to recognize the same object at different distances even though the image on the retina is substantially different, said Trehub.

Some psychologists who studied the process said if the moon appears the same size on the retina at the horizon, then size constancy must make it appear bigger even though the moon is perceived as farther away.

But Trehub rejects that explanation, noting that "most people will say it looks closer on the horizon."

Struck by the contradictions offered by perception researchers, Trehub searched for a neurological answer. His theory employs an evolutionary explanation for how the human brain processes visual information.



Arnold Trehub

As humans evolved, he said, their focus was literally on things that were most important for survival. That area around them, which Trehub refers to as "egocentric space," was key to finding shelter and food and detecting danger. Objects well above or below that relatively horizontal terrestrial environment were generally less important to day-to-day living.

As a result, he said, the human brain gradually evolved so more neural resources were devoted to egocentric space, he said. "There were fewer resources for things high in the sky because they didn't need to deal with them."

When "The Cognitive Brain" was published, said Trehub, some researchers dismissed his ideas as premature because science hadn't yet advanced far enough to test his theory. "Others said this is the kind of theorizing that needs to be done."

For Trehub, an adjunct faculty member since 1972, the new recognition of his model raises the possibility that his theory "will be taken as valid down the road."

At the very least, Trehub hopes his ideas will stimulate more discussion and research. In the spirit of deeper investigation, he said, "I would like to see opposing theories put forth."

Gratified that his theory may be guiding future research, he added, "It's my impression that the field is moving in this direction. ... 'I'll wait and see what happens. I feel optimistic that it will be recognized.'"

# Grain&Chaff

## Conference call

**Stella Volpe**, associate professor of Nutrition and current president of the New England Chapter of the American College of Sports Medicine (NEACSM), was the program chair for the organization's fall conference held Nov. 7-8 in Providence. Under the theme "Exercise: The Fountain of Youth," the conference included presentations by internationally known speakers as well as undergraduate and graduate students from the region. One of the undergraduate presenters was **Laura Hutchinson**, a junior honors student working with Volpe. She presented her research on bone mineral density in collegiate rowers. More than 600 participants from New England, New York and Canada attended the meeting.

## Learning support

Technical archivist **Melissa Watterworth** of Special Collections and Archives received the Richard W. Hale, Jr. Professional Development Award from the New England Archivists on Oct. 28. The award is given to promote the professional development of archivists in the region. Watterworth plans to use the award to broaden her knowledge and understanding of the techniques, preservation methods, cataloging requirements and access tools and trends in video, film and arts archives.

## Strictly speaking

**Dotty Meyer**, director of the Early Childhood Laboratory School in the Department of Teacher Education and Curriculum Studies, gave a talk entitled "Teacher as Learner: Reflections in Practice" at the annual conference of the National Association for the Education of Young Children held Nov. 20-23 in New York City. Inspired by the schools in Reggio Emilia, Italy, Meyer is a longtime proponent of applying a negotiated learning approach in her practice with preschoolers and preservice teachers. She has coordinated Reggio Emilia approach conferences on campus for the past three years and is planning another for April.

## Research honors

English professor and department chair **Anne Herrington** and **Marcia Curtis**, acting director of the Writing Program, received the David H. Russell

Award for Distinguished Research from the National Council of Teachers of English (NCTE) during its annual convention in Atlanta last month. Herrington and Curtis were honored for their book, "Persons in Process: Four Stories of Writing and Personal Development in College," published in 2000 by NCTE. The award recognizes an outstanding work of scholarship or research in language, literature, rhetoric, or pedagogy and learning, published during the previous five years. In "Persons in Process," the authors followed four students during their years at a large, public university. The case studies are based on extensive interviews with each student, analyses of their writing for composition and other courses, classroom observations, and interviews with their teachers. Based on their findings, the authors provide insight into the ways that students' academic and personal uses of writing reflect each other, as well as ways that, in responding to students' writing, teachers can help as well as hinder these interrelated developmental processes.



Marcia Curtis



Anne Herrington

## Author, author

St. Martin's Press this month is releasing "Tea at the Blue Lantern Inn: A Social History of the Tea Room Craze in America" by former Archaeological Services staffer **Jan Whitaker**. Whitaker will discuss the book on Sunday, Dec. 8 at 2 p.m. at the Forbes Library in Northampton. Copies will be available for purchase and signing from 2-4 p.m.



# Champion of humanities, Maxwell H. Goldberg, '28, dies at 95

**Sarah R. Buchholz**  
CHRONICLE STAFF

The University lost a lifelong son Nov. 14 when Maxwell H. Goldberg, '28, of Spartanburg, S.C., a retired professor of English, died Nov. 14. He was 95.

His service to the institution began as an active student at Massachusetts Agricultural College (MAC), where he graduated first in his class; participated in student government and dramatic productions; was on the varsity debate squad; won several oratorical contests; served as president of his fraternity; and gave the campus oration at his graduation ceremony.

The 1928 Index praised his "dreamy eyes" and described him as "an all-around good fellow, and a loyal supporter of the class of 1928."

An Agricultural Education major, his initial interests and skills in botany and chemistry began to give way during his undergraduate years to a fascination with words. After graduation, he continued to study at the college but shifted his focus to English.

William Brickman and Stanley Lehrer, the authors of "Automation, Education, and Human Values," for which he wrote the introduction and conclusion, called him "a literary fireball whose sparks as a classical scholar light up the corners of men's minds and keep alive the humanistic spirit of years gone by."

He joined the English faculty in 1933 and served Massachusetts State College and, later, the University for a total of 29 years before retiring in 1962. He was head of the English Department between 1955 and 1962. Upon his retirement, the Board of Trustees made him Emeritus Commonwealth Professor of Humanities.

Following 10 years of teaching there, Pennsylvania State University named him Professor Emeritus of Humanities and English at his retirement there in 1972. He taught for the next five years at Converse College in South Carolina, retiring as Helmus Distinguished Profes-



PHOTOS COURTESY OF SPECIAL COLLECTIONS AND ARCHIVES, DU BOIS LIBRARY

Maxwell Goldberg, at left in the 1928 Index, at right in later years.

sor Emeritus of Humanities and Literature.

Long after his departure from Amherst, he continued to be remembered in the area. In 1988, he received an honorary doctorate of humane letters from the University, and in 1998, Hillel House named its living center after him.

A tireless promoter of student welfare, including extracurricular activities and campus life issues as well as academic challenges in his vision, he advised the Campus Collegian for approximately 15 years; organized Jewish students

into supportive groups (including the establishment of Hillel in the mid-1930s) and promoted strong relationships between Jewish and gentile students; served on the Faculty Religious Advisory Committee and tens of other committees; supported student dramatic productions, and judged numerous debate, poetry and essay competitions, not only at the University but also at other colleges and at area high schools. He was a much sought-after speaker around the Pioneer Valley for civic and religious groups, speaking about the nature of a liberal education, relationships between Jews and non-Jews, and poetry, among other things.

Following up on a Rotary Club talk he gave in 1934, he wrote an essay, entitled "Amherst as Poetry," which he presented as a talk at Amherst College. An enthusiastic outpouring of

requests for the text, which lauded the very nature and beauty of Amherst, caused him to expand his ideas further into a book of the same title, which included passages from poetic works by people in Amherst.

He was a founder of the College English Association Journal, for which he served as an editor for many years.

His master's and doctoral degrees were from Yale University. He also did graduate work at Amherst College and MAC. In 1945, he was awarded the Nehemiah Gitelson Memorial Medallion for excelling in "non-professional" service.

He leaves his wife of 42 years, Ethel Zeidman Goldberg; three daughters, Naomi and Rachel of Massachusetts and Deborah Bliss of Italy; two stepdaughters, Barbara Colby of Arizona and Freya Bosky of Maryland.

Memorial contributions may be made to Temple B'Nai Israel, 146 Heywood Ave., Spartanburg, S.C. 29302; The Shepherd's Center, 393 E. Main St., Spartanburg; or to Converse College, 580 Main, Spartanburg.

## Rails-to-Trails Conservancy supports active living in communities

**Kimberly Bova**  
SPECIAL TO THE CHRONICLE

The whirring sound of cyclists pedaling past resonates on the bicycle path that connects UMass to the Norwottuck Rail Trail in Amherst. The League of American bicyclists, the country's oldest bicycle organization, recognized the importance of UMass' facilities and their connection to the rail trail, when they decided to hold their annual convention here this past August.

The Norwottuck Rail Trail runs between Amherst and Northampton. Craig Della Penna, the New England representative for the Rails-to-Trails Conservancy (RTC), gave the league's cyclists a tour of the Norwottuck trail,

emphasizing the importance of this rail trail to the community.

The Norwottuck Rail Trail in Hadley faced great opposition when it was first proposed, Della Penna said. Then many community businesses started to gain customers from locals who were spending more time outside of their homes and tourists who travel here to visit the trail. The Norwottuck Rail Trail has become a common stop for visitors to the area; it is even featured as an attraction on The Northampton Chamber of Commerce Web site. Della Penna said the trail has about 300,000 visitors every year. This exceeded the original estimation of visitors for the trail by three times.

Whether he is working from his

home office in Florence, his Worcester office at Union Station, or cycling the trails themselves, Della Penna promotes the mission statement of the RTC. He works to create new rail trail projects while helping residents understand the benefits to having a rail trail in their neighborhood. Della Penna tirelessly works to gain state legislative support, lobbying to get help with trail construction and funding.

RTC's mission "is to enrich American's communities and countryside by creating a nationwide network of public trails and former rail lines and connecting corridors." RTC wants to help create a safe and clean environment for people who bicycle, inline skate, walk, jog and

participate in all other outdoor activities. Former railroad regulations have created trails that have little if any incline and are made with hard substances making them ideal for people with physical disabilities to use.

Della Penna has been fervently working to build the momentum within communities to support new trails and maintain existing ones. He seeks to create an awareness of the benefits and the opportunities that the trails provide, not only to individuals, but to the community as a whole.

"I travel extensively around the region teaching groups to speak compellingly about their rail trail project," he said. Currently, there are 65 rail trail projects underway in Massachusetts.

University employees may support Rails-to-Trails Conservancy through COMECC contributions, using code 758488. For more information, contact Gloria Fox at 5-4203 or by e-mail (gfox@urd.umass.edu).

*Kimberly Bova is a senior majoring in Journalism.*



## Ballet to benefit Mass. children

The campus will house a performance of the Great Russian Nutcracker by the Moscow Ballet Dec. 16 to benefit the Providence Behavioral Health Children's Mental Health Services in Holyoke. The performance is scheduled to take place at 7:30 in the Fine Arts Center. The show has been sold out for several weeks.

More than 75 area children will be included in the production, which benefits the 24-bed inpatient psychiatric and 18-bed acute residential treatment facility.

Brenda McCormick, vice president of fund development at Sisters of Providence Health System, said she had hopes the performance will raise more than \$20,000.

The hospital serves approximately 1,500 children per year.



Stan Sherer photo

[Left to right] Chuck Steedman, '84, special assistant to the president and CEO of the Boston Red Sox, professor of Sport Studies Glenn Wong, and Isenberg School of Management dean Thomas O'Brien, discuss Steedman's presentation before he addresses Tim DeSchraver's "Sport Business and Finance" class. The talk was opened to other ISOM students, as well. He was the fourth guest speaker in the class this semester.

## Alumnus with Red Sox speaks to Sport Management classes

Sport Management alumnus Charles H. (Chuck) Steedman, now special assistant to the president and chief executive officer of the Boston Red Sox, returned to campus Nov. 21 to share his expertise with undergraduate and graduate students.

Steedman focuses primarily on the maximization of existing and the creation of new revenue opportunities for the Red Sox. He also handles all broadcast rights administration for the organization.

During his visit to campus, Steedman spoke to students in assistant professor Tim DeSchraver's "Sport Business and Finance" class, which was opened to other Sport Management and Isenberg School of Management students.

Steedman graduated with a

degree in Sport Management in 1984 and went on to earn an MBA from Queens College in Charlotte, N.C.

Prior to joining the Red Sox, he was the founder and principal of Steedman & Partners and had worked extensively on the acquisition of the Red Sox and NESN by New England Sports Ventures.

Steedman has a long background in media and sports business that includes service at the University of Connecticut as director of athletic marketing, vice president of programming at Raycom Sports, senior vice president for sales and marketing at the American Skiing Company and managing director of the Resorts Sports Network.





Sports wrap-up

Men’s basketball (1-3)

L vs. Indiana	84-71
L vs. Utah	69-53
W vs. Chaminade	69-55
L vs. Central Connecticut	46-45

Women’s basketball (3-1)

W vs. Scared Heart	74-48
W vs. St. Peter’s	52-49
L vs. Michigan	91-65
W vs. Toledo	73-61

Football (8-4; 6-3 A-10)

W vs. Rhode Island	48-21
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Hockey (8-5-0; 3-4-0 Hockey East)

W vs. Iona	5-3
L vs. Hew Hampshire	4-0
W vs. Vermont	6-2
W vs. Dartmouth	7-2
W vs. Princeton	5-3

Men’s swimming (2-1)

L vs. St. John’s	156-101
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Women’s swimming (1-2)

L vs. St. John’s	137-123
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Upcoming schedule

Home games in **bold**

Friday, Dec. 6

M. swimming	Yale	all day
	Invitational	
W. swimming	Yale	all day
	Invitational	
W. indoor track	BU, CCSU & Maine at Boston	5 p.m.
Hockey	<b>BU</b>	7 p.m.

Saturday, Dec. 7

M. swimming	Yale	all day
	Invitational	
W. swimming	Yale	all day
	Invitational	
M. basketball	<b>BC</b>	noon
W. basketball	UNH	1 p.m.
Hockey	<b>BU</b>	7 p.m.

Sunday, Dec. 8

M. swimming	Yale	all day
	Invitational	
W. swimming	Yale	all day
	Invitational	

Monday, Dec. 9

W. basketball	URI	5:30 p.m.
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Tuesday, Dec. 10

M. basketball	UConn at Hartford	7 p.m.
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Wednesday, Dec. 11

W. basketball	<b>Villanova</b>	7 p.m.
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Thursday, Dec. 12

Hockey	Princeton	7 p.m.
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Athletics

www.umassathletics.com

Athletic Ticket Office

Mullins Center, 5-0851

Hockey team readies for BU series

The Minuteman hockey team takes a three-game winning streak into this weekend’s series against 13th-ranked Boston University. During the past week, coach Don Cahoon’s squad beat Vermont, Dartmouth and Princeton to boost its record to 8-5-0.

On Friday, the Minutemen host BU in the Mullins Center before traveling to Boston to take on the Terriers on Saturday. Both games are at 7 p.m. BU’s record is 7-5-2.

Swimming teams lose to St. John’s

The men’s and women’s swim teams fell to St. John’s last Saturday in Jamaica, N.Y. The Red Storm beat the Minutemen, 156-101, while the St. John’s women’s team edged past UMass, 137-123. The men’s team is now 2-1 on the season while the Minutewomen fall to 1-2.

In a closely contested battle, the Minutewomen were led by juniors Diana Alberti and Christen Dexter. Alberti finished first in the 100- and 200-yard butterfly. Dexter placed first in two events for the Minutewomen, winning both the 100-yard breaststroke and the 200-yard breaststroke. Dexter and Alberti were also members of the first-place 200-yard medley relay team, which includes junior Lauren Rowell and senior Lizzy Boyle.

The victories over Dartmouth and Princeton were keyed by sophomore forward Greg Mauldin, who netted his first career hat trick in the 7-2 win over the Big Green and then added another goal and two assists versus the Tigers. Mauldin, who is fourth of the team in scoring with 12 points and first in goals with eight, was named Hockey East Player of the Week.

During November, the Minutemen went 6-3-0, the best in school history for the month.

Rowell also placed first in the 100-yard backstroke. Another first-place finisher for UMass was freshman Aimee Bourassa, who won the 200-yard freestyle (1:57.91).

Leading the way for the men’s team were seniors Chad Arnold and Ryan Zaucha and junior Sean Collins. Arnold tallied second-place finishes in the 50- and 100-yard freestyle. Collins earned second-place honors in the 100-yard breast and was a member of the second-place 200-yard medley relay team with seniors Darren Johnson and Zaucha and sophomore Owen Scollan. Collins also finished third in the 200-yard breast, finishing right behind Zaucha.

Both teams will return to action in two weeks when they compete at the Yale Invitational on Dec. 6-8.



Chronicle file photo

Senior Jennifer Butler racked up 19 points against Toledo last Sunday.

Minutewomen win 3 of first 4 games

The Minutewomen are off to a solid start this season, winning three of their first four games, including a 73-61 win over the University of Toledo last Sunday.

Senior Jennifer Butler and sophomore Katie Nelson each had 19 points for the game, including 12 in the first half. Nelson dished out five assists and played in all 40 minutes, while Butler grabbed 16 rebounds. Butler also had four assists and a steal. Senior Nekole Smith scored 18 points including just her second career three-pointer. She also pulled down six rebounds.

UMass started the game on a 14-1 run and never trailed in this game. Coach Marnie Dacko’s squad finished the game shooting .583 (28-48) from the field, while Toledo shot .317 (19-60).

On the season, UMass also beat Sacred Heart and St. Peter’s and lost to Michigan.

Zullo wins Jerry Nason award

Senior wide receiver Adrian Zullo, who missed a season and a half while recovering from a knee injury, is being recognized this week with the Jerry Nason Award, presented by the New England Football Writers. The award is presented to the senior football player in New England who has persevered against all odds to succeed in football.



Courtesy of Media Relations  
Adrian Zullo

Zullo was scheduled to receive the award at the New England Football Writers Annual Captains and Awards Banquet on Dec. 5 in Randolph.

Zullo injured his knee against Northeastern in 2000. Following two surgeries

and vigorous rehabilitation, Zullo returned to the gridiron this fall and had an outstanding season for the Minutemen as a fifth-year senior. He led the team with 52 receptions on the year for 762 yards and nine touchdowns. With that performance, Zullo placed third on the UMass single season list for touchdown catches, seventh for receptions and eight for receiving yards.

Over the course of his career, Zullo caught 187 passes for 2,862 yards and 32 touchdowns, to set new UMass career records in all three categories. He helped lead the Minutemen to the 1998 NCAA Division I-AA national championship, in addition to the 1999 Atlantic 10 Conference crown. Over the last five seasons, UMass had a 31-13 record in games which Zullo played, while going only 8-10 in games he missed due to injury.

Zullo becomes the third player in UMass history to receive the Jerry Nason Award. Mike Fallon received the award in 1977, while Bob Ross was honored in 1982.

Cobbs’ 5 TDs lead UMass to win, 3rd place in A-10

Freshman tailback R. J. Cobbs saved the best for last Nov. 23 as he rushed for 187 yards and five touchdowns in the season finale versus Rhode Island.

The 48-21 victory cinched a third place finish in the Atlantic 10 Conference. Coach Mark Whipple’s squad finished the year with an 8-4 overall record and 6-3 in conference play.

Cobbs tied the school-record for touchdowns in a game and also became just the third freshman in A-10 history to reach 1,000 yards rushing in a single season. The stellar performance earned Cobbs A-10 Rookie of the Week honors and the Coca-Cola Gold Helmet Award from the New England Football Writers Association.

Cobbs ended the year with 1,067 rushing yards and 14 touchdowns.

The URI game also marked the return of quarterback Jeff Krohn, who missed two games due to injury. He was 19-39 for 243 yards.



Courtesy of Media Relations

R. J. Cobbs

Minutemen named to A-10, regional teams

Eight members of the football team were named last week to the 2002 All-Atlantic 10 Conference teams and freshman tailback R. J. Cobbs was named the A-10 Rookie of the Year.

Three Minutemen were selected to the first team: senior center Maikel Miret, senior punter David Sanger and senior wide receiver Adrian Zullo. Cobbs was selected to the second team, along with junior defensive tackle Valdamar Brower and junior linebacker Jeremy Cain, while senior strong safety Anton McKenzie and senior placekicker Doug White were third team selections.

Brower, Miret, Sanger and Zullo this week were named to the 2002 All-New England team, as selected by the New England Football Writers.

Classes end, exams begin

The last days of classes is Friday, Dec. 13 and the Reading Period is scheduled for Dec. 14-15. Final examinations start Monday, Dec. 16 and continue until Saturday, Dec. 21. Monday, Dec. 23 is the snow day for any exams that may be cancelled because of weather.

Campus tours end Dec. 20

The last campus tour of the fall semester will be on Friday, Dec. 20 at 1:30 p.m., according to Lisa Hargis of the New Students program.

No tours will be offered from Dec. 21 through Jan. 1. Daily tours at 11 a.m. and 1:30 p.m. will resume on Thursday, Jan. 2 and continue through Intersession, including the Martin Luther King, Jr. Day holiday on Jan. 20.

For information, call 5-4237.

Holiday bazaar

The annual holiday bazaar presented by students from the Stockbridge School of Agriculture and the Plant and Soil Sciences Department will be held Friday, Dec. 6, 11 a.m.-3 p.m. in 105 French Hall.

Traditional and Winter Rose poinsettias, holiday cactus, wreaths, silk arrangements and other decorative items will be on sale.

The Student Chapter of the American Institute of Floral Designers will be sponsoring a silent auction for holiday items.

For information, e-mail Tom Beauchesne (tabeauch@pssci.umass.edu).

Alumni Association sponsors study breaks

As final exams approach, free study break goodies will be distributed next week, courtesy of the Alumni Association.

The candy and water will be given to students at the Du Bois Library on Thursday, Dec. 12 from 2-4 and 6-8 p.m. and on Friday, Dec. 13, 2-4 p.m.

Expiration of personal leave time

Personal leave time awarded to eligible employees on or after July 6, 2001 will expire on Saturday, Dec. 28, according to Juan A. Jarrett, assistant vice chancellor for Human Resources. Any balance remaining after that date will be forfeited.

Personal leave awards for calendar year 2003 will appear on check statements issued on Friday, Jan. 3. Eligible employees may begin using their new personal leave time starting on Sunday, Dec. 29.

Questions concerning the awarding or use of personal leave time should be directed to Dotty Lesko in the Time & Labor Section of Human Resources, (dlesko@admin.umass.edu) or by phone at 5-6121.

Holiday craft fair

The Student Union Craft Center is sponsoring a holiday craft fair on Friday, Dec. 6 from 9 a.m.-4 p.m. on the Lincoln Campus Center concourse. Professional artists from New England will exhibit handcrafted pottery, jewelry, clothing, candles and other items.

Molecular Genetics and Microbiology seminar

Richard Myers of the department of biochemistry and molecular biology at the University of Miami School of Medicine will discuss “Unsafe Sex: The Rec(k)less Mechanisms of Genetic Exchange” on Friday, Dec. 13 at 12:15 p.m. in the MGM Seminar Room, S5-310 at the Medical School in Worcester.

Physiology seminar

Joey P. Granger of the University of Mississippi School of Medicine will speak on “Pathophysiology of Hypertension during Preeclampsia: Linking Placental Ischemia with Endothelial Dysfunction” on Monday, Dec. 9 at noon in the Physiology Seminar Room, S4-308 of the Medical School in Worcester.

Note card sets benefit Friends of the Library

Boxed sets of note cards featuring Leslie Schaler’s photos of the Library Courtyard Garden are on sale through the Library Office. The 12-card sets are \$10 with proceeds going to the Friends of the Library.

Send checks payable to Friends of the Library to Susan McBride in the Library Office.

Baden-Württemberg directorship

The opportunity to serve as resident director of the University’s Baden-Württemberg Exchange Program for 2003-04 is now open. Candidates should be tenured members of the UMass faculty, with doctorate, fluent in German, and experienced in graduate and undergraduate advising. Some acquaintance with the German university system is desirable.

Candidates are invited to submit their curriculum vitae to the Baden-Württemberg Program, International Programs Office, William S. Clark International Center. Additional information concerning duties and qualifications is available from Regine John (reginejohn@ipo.umass.edu) or Frank Hugus (hugus@ipo.umass.edu); both can be reached at 5-2710. Applications must be received by Dec. 20.

Lappas, Bolduc on tap for Sports Luncheon

Interim women’s lacrosse coach Carrie Bolduc and men’s basketball coach Steve Lappas will be the featured speakers at the Weekly Sports Luncheon on Wednesday, Dec. 11 at noon in 1009 Lincoln Campus Center.

The buffet lunch is \$6.50. Call 5-4289 for reservations.

Big Friday

Biweekly paychecks for the period covering Nov. 17-30 will be issued Friday, Dec. 6.

Blood drive

The Hampshire County Chapter of the American Red Cross will conduct a blood drive on Wednesday, Dec. 11 from 10:30 a.m.-4:30 p.m. in 174 Lincoln Campus Center.

Alumni Club hosts breakfast with Boston Celtics GM

Boston Celtics general manager Chris Wallace will be the featured speaker at a Sports Breakfast Program hosted by the UMass Amherst Alumni Club of Greater Boston on Tuesday, Dec. 10 from 7:30-9:30 a.m. at the Four’s Sports Bar & Restaurant, 166 Canal St. in Boston.

Regarded as one of the foremost evaluators of basketball talent, Wallace is in his fifth season as general manager of the Celtics. He has been instrumental in the formation of the young and talented Celtics roster with a number of trades, free-agent signings, and solid draft choices.

The event will conclude with a business card raffle for tickets to an upcoming Celtics game.

The cost for the breakfast is \$7.50 for Alumni Association members and their guests and \$10 for others. Seating is limited to 70 people and reservations are required. To reserve seats, call the Office of Alumni Relations at (800) 456-8627.

Lappas show airs on Channel 40

“The UMass Basketball Show with Steve Lappas presented by Coca-Cola” is currently airing on WGGB-TV, Channel 40 in Springfield and WLVI-TV, Channel 56 in Boston.

Hosted by Channel 40 sports director Scott Coen, the 30-minute program features game highlights, interviews with the Minutemen and previews of upcoming contests.

The program airs Sundays at 12:30 p.m. and 11:30 p.m. on Channel 40 and 11:30 p.m. on Channel 56.

Seminars & Colloquia

**Chemical Engineering seminar**, “Cellular Response to Mechanical Signals: Implications for Novel Biomaterials,” David Mooney, University of Michigan; Friday, Dec. 6, 11:15 a.m., 1634 Lederle Graduate Research Tower.

**Environmental Engineering seminar**, “Future Directions in Wastewater Treatment,” William J. Jewell, Cornell University; Friday, Dec. 6, 12:20 p.m., 220 Marston Hall.

**Linguistics colloquium**, “Rhymes, semi-rhymes and the structure of the correspondence system,” Donca Steriade, MIT; Friday, Dec. 6, 3:30 p.m., W-24 Machmer.

**Resource Economics seminar**, “Firm Compliance with Environmental Regulations,” Jay Shimshack, Tufts University; Friday, Dec. 6, 3:30-4:30 p.m., 217 Stockbridge Hall.

**Polymer Science and Engineering seminar**, “Reactions of Single-Site Olefin Polymerization Catalysts with Polar Monomers,” Richard Jordan, chemistry, University of Chicago; Friday, Dec. 6, 3:35 p.m., A110-111 Conte Polymer Research Center.

**Valley Geometry seminar**, “A smooth fine moduli space of curves with level structure,” Dan Abramovich, Boston University; Friday, Dec. 6, 4-5 p.m., 1634 Lederle Graduate Research Tower.

**Center for Public Policy and Administration colloquium**, “The Politics of History in the National Park Service,” David Glassberg, History Department; Monday, Dec. 9, noon-1 p.m., 620 Thompson.

**Exercise Science seminar**, “Balance Training in Terrestrial and Altered G-Environments,” Lars Oddson, neuromuscular research center, Boston University; Thursday, Dec. 9, 12:20 p.m., 153 Totman. Refreshments at noon.

**Economic Theory workshop**, “Superstates in an Uncertain World: The Dynamics of Arms Control,” Alex Coram, University of Western Australia; Monday, Dec. 9, 4 p.m., 9th floor conference room, Thompson Hall.

**Neuroscience and Behavior Program seminar**, “Distinct Genomic Responses Mediated by Estrogen Receptors  $\alpha$  and  $\beta$ ,” Julie M. Hall, receptor biology section, NIEHA, Research Triangle Park, North Carolina; Wednesday, Dec. 11, 4 p.m., 319 Morrill Science Center-South.

**Plant Biology Graduate Program seminar**, “The intricate puzzle of gene regulation by photoreceptors in Arabidopsis: where the HFR1 piece fits,” Craig Fairchild, Worcester Polytechnic Institute; Thursday, Dec. 12, 4 p.m., 319 Morrill South. Refreshments at 3:45 p.m.

**Chemical Engineering seminar**, “Self-Assembly of Phospholipids on Thermotropic Liquid Crystalline Substrates,” Nicholas Abbott, University of Wisconsin-Madison; Friday, Dec. 13, 11:15 a.m., Math Lounge, 1634 Lederle Graduate Research Tower.

**Environmental Engineering seminar**, “title to be announced,” Samar El-Khoury, UMass; Friday, Dec. 13, 12:20 p.m., 220 Marston Hall.

**Polymer Science and Engineering seminar**, “Influence of Temperature and Strain Rate on the Constitutive Behavior of Polymers,” George Gray, Los Alamos National Labs; Friday, Dec. 13, 3:35 p.m., A110-111 Conte Polymer Research Center.

**Doctoral exams**  
*Graduate faculty are invited to attend the final oral examination for the doctoral candidates scheduled as follows.*

**Christopher Knight, Ph.D.**, Exercise Science, Thursday, Dec. 12, 9 a.m., 911-15 Lincoln Campus Center. Dissertation: “Analysis of Human Motor Unit Discharge Variability: Changes with Aging and Motor Learning.” Gary Kamen, chr.

**Ignacio F. Rodeno, Ph.D.**, Hispanic Literature, Friday, Dec. 6, 2 p.m., 601 Herter. Dissertation: “Un puente entre las literaturas hispanoamericana y U.S. Latina: Mitificación y resistencia en cinco relatos del yo.” Nina Scott, chr.

**Melissa Bagg, Ph.D.**, English, Tuesday, Dec 10, 4 p.m., Renaissance Center. Dissertation: “Shakespeare Smooth: Postmodern and Popular Performances.” Normand Berlin, chr.

**Richard Goulet, Ph.D.**, History, Friday, Dec. 13, 1 p.m., 601 Herter. Dissertation: “The Eighteenth-Century Franciscan Missions of the Caqueta and Putumayo: Indians, Missionaries and the Cultural Frontier of the Late Colonial Spanish Empire.” Jane Rausch, chr.

**Michelle Lizotte-Waniewski, Ph.D.**, Molecular and Cellular Biology, Monday, Dec. 9, 4:30 p.m., B05 McConnell, Smith College. Dissertation: “Investigation of the Cuticlin Genes of Onchocera volvulus.” Steven A. Williams, chr.

**Hang Shi, Ph.D.**, Physics, Tuesday, Dec. 10, 2 p.m., 419 Lederle Graduate Research Tower. Dissertation: “Structure Studies on RNA Processing.” Monroe Rabin and Rui-Ming Xu, co-chrs.

**Olga Gershenson, Ph.D.**, Communication, Friday, Dec. 6, 1 p.m., 313 Machmer. Dis-

sertation: “Cultural Production and Zionist Ideology: The Case Study of Gesher Theatre in Israel.” Anne Ciecko, chr.

**Richard Maldanis, Ph.D.**, Chemistry, Friday, Dec.6, 2:30 p.m., 703 Lederle Graduate Research Tower. Dissertation: “The Synthesis and Polymerization Study of Novel Transition Metal Catalysts.” Marvin D. Rausch, chr.

**Mary Pitoniak, Ph.D.**, Psychology, Wednesday, Dec. 11, 3 p.m., 151 Hills South. Dissertation: “Standard Setting Methods for Complex Licensure Examinations.” Ronald Hambleton and James Michael Royer, co-chrs.

**Jennifer Foster, Ph.D.**, Anthropology, Monday, Dec. 9, 10:15 a.m., E-14 Machmer. Dissertation: “Masculinity and Fatherhood: Stratified Reproduction Among the Puerto Rican Partners of Adolescent Mothers.” Lynn Morgan, chr.

**Shrikumar Hariharasubrahmanian, Ph.D.**, Computer Science, Monday, Dec. 9, 9:30 a.m., 303 Computer Science Building. Dissertation: “Dynamic Composability — Building Flexible Complex Real-Time Systems.” Krithivasa Ramaritham and John A. Stankovic, co-chrs.

**Suzette Stephens, Ph.D.**, Wildlife and Fisheries Conservation, Tuesday, Dec. 10, 9:30 a.m., 312A Holdsworth NRC. Dissertation: “The Ecology of the Painted Ringtail (Pseudochirulus forbesi larvatus) at Mt. Stolle, Papua New Guinea and contributions to the conservation of New Guinean mammals.” Todd K. Fuller, chr.

**Osman Sabri Unsal, Ph.D.**, Electrical and Computer Engineering, Wednesday, Dec. 11, 9 a.m., 309D Knowles Engineering Building. Dissertation: “System-Level Power-Aware Computing in Complex Real-Time and Multimedia Systems.” C. Mani Krishna, chr.



## Galleries

**Augusta Savage Gallery**  
New Africa House  
5-5177  
Mon.-Thurs., 1-5 p.m.

"Memory Slips,"  
BFA thesis exhibition of paintings and works on paper by Francie Riddle through Dec. 6

BFA thesis exhibition of prints and works on paper by Elizabeth Rankin and Leith MacDonald Dec. 9-12

**Central Gallery**  
Wheeler House  
5-0680  
Monday-Thursday, 3-6 p.m.  
Sun., 2-5 p.m.

"Julia Ferrari: New Work" through Dec. 8

"A Photographic Essay," a BDIC project exhibition by Brian Cullinen Dec. 11-15

**Hampden Gallery**  
Southwest Residential Area  
5-0680  
Mon.-Thurs., noon-6 p.m.  
Sun., 2-5 p.m.

"David Henderson: New Work" through Dec. 8

INCUBATOR PROJECT:  
"Claimed Baggage," sculpture by Amy Margaret Corey

"Hair Trigger," sculpture by Sally Curcio

"The Journey," by Nora Valdez through Dec. 8

**Herter Gallery**  
5-0976  
Mon.-Fri., 11 a.m.-4 p.m.  
Sun. 1-4 p.m.

**Student Union Gallery**  
5-0792  
Mon.-Thurs., 10 a.m.-5 p.m.  
Fri., 9 a.m.-3 p.m.

"Internal Equinox"  
BFA thesis exhibit with ceramic sculpture by Danielle LeReux Doucette through Dec. 6

**University Gallery**  
Fine Arts Center  
5-3670  
Tues.-Fri., 11 a.m.-4:30 p.m.  
Sat. & Sun., 2-5 p.m.

Helmut Newton/Garry Winogrand: Two Portfolios through Dec. 13

"Private Eyes: Image and Identity," with photos by Barbara Ess and Ann Hamilton, video of Derek Jarman's film "Blue," computer-generated portrait sculpture by Karin Sander, video installation by Israeli artist Miri Segal through Dec. 13

For more information, visit the Fine Arts Center's Web site ([www.umass.edu/fac/calendar/centerwide](http://www.umass.edu/fac/calendar/centerwide)).



The Wind Ensemble and Symphony Band will perform Dec. 10.

## Concert highlights people with impact

Steven D. Bodner, director of the Wind Ensemble and Symphony Band, and his first conducting teacher, visiting artist Gary Speck, have created an unusual program around people who have made an impact on society in different ways. "Monuments," the first half of the concert to be performed by the Symphony Band, features works by or inspired by three great western composers, J.S. Bach, Haydn and Brahms. Works in the second half, "Memorials," to be played by the Wind Ensemble, will include a lament for the hero Superman, and one for a deceased clarinetist. The concert will take place in the Fine Arts Center Concert Hall on Tuesday, Dec. 10 at 8 p.m.

"Monuments" will feature Norman Dello Joio's "Fantasies on a Theme by Haydn," Brahms' "O God, Thou Faithful God" and Ron Nelson's "Passacaglia (Homage on B-A-C-H)." "Memorials" showcases Warren Benson's "Passing Bell," a work that was commissioned by the Luther Col-

lege Concert Band in memory of Dennis Rathjen, a clarinetist who died from Hodgkin's disease. The work's title refers to the symbolic use of bells in reference to death, and specifically to John Donne's words: "Any man's death diminishes me, because I am involved in mankind; and therefore never send to know for whom the bell tolls; it tolls for thee." The main body of the work presents two hymn tunes: "Jesu Meine Zuversicht," from the Lutheran burial service and "Merthyr Tydvil," a Welsh hymn of faith.

"Although both hymns are used mostly intact," says Bodner, Benson also distorts their appearance, often with powerful dissonance, or by creating the impression that each tune is being presented simultaneously at different speeds. The effect is that of an outcry against the horror of needless death. The work concludes powerfully on a chord that does not quite resolve; perhaps communicating the hope that we will all, ultimately, triumph over

death."

"Red Cape Tango," the fifth and final movement of Michael Daugherty's "Metropolis Symphony," was inspired by the myth of Superman. Composed after Superman's fight to death with Doomsday, the "Red Cape Tango" is really a musical bullfight.

Under the direction of Gary Speck, professor of conducting and director of concert bands at Miami University in Oxford, Ohio, the Miami University Wind Ensemble has won praise from five Pulitzer Prize-winning composers: Michael Colgrass, John Harbison, Gunther Schuller, Karel Husa and Leslie Bassett. The ensemble has performed for the College Band Directors National Association, the Ohio Music Education Association, and at the inaugural Atlanta International Band and Orchestra Conference.

Tickets are \$10 general public and \$5 for students, children under 18 and senior citizens, and can be purchased at the FAC Box Office (5-2511).

## Young talent showcased in performance

The Youth Wind Ensemble and Percussion Ensemble will perform in the Fine Arts Center Concert Hall on Friday, Dec. 13 at 8 p.m.

Ensemble members Andrew Stetson, a senior from Enfield, Connecticut's Enrico Fermi High School, and Elizabeth Johnson, a senior from Barre's Quabbin Regional High School, will play trumpet solos.

Orchestra director LanFranco Marcelletti, Jr., will be the piano soloist with the Percussion Ensemble and its conductor, Eduardo Leandro.

Led by Steven D. Bodner, the Youth Wind Ensemble will take the stage for the first half of the concert. Featured pieces will include Vincent Persichetti's "Divertimento for Band, Op. 42" and Edvard Grieg's "Funeral March."

Also featured will be two mid-20th century works by Armenian composers: "Prayer for St. Gregory" by Alan Hovhannes, and "Armenian Dances" by Aram Khachaturian. The two works were written one year apart.

Tickets for the concert are \$10 general public and \$5 for students, children under 18 and senior citizens, and are available at the FAC Box Office (5-2511).



The Graduate String Quartet members are (clockwise from top left) Stanislus Renard, Peter Sulski, Ingrid Rohen and Amanda Burr.

## String quartet plays in Hamp

The Graduate String Quartet will perform a free concert at St. John's Church, 48 Elm St. in Northampton, on Friday, Dec. 13 at 7:30 p.m.

The program will include Beethoven's "String Quartet in Bb-Major, Op. 18, #6," Ravel's "Quartet in F Major" and Shostakovich's "String Quartet #2, Op. 68."

The members of the Graduate String Quartet are something of a musical melting pot. Violinist Stanislus Renard is from France and cellist Ingrid Rohen is a native of Australia. Peter Sulski, viola, originally hails from the Worcester area, but has played in the London Symphony and throughout Cyprus for several years. Violinist Amanda Burr is a Boston native.

## Orchestras share program at FAC

The Department of Music and Dance will present traditional orchestral music side by side with jazz on Monday, Dec. 9 when the University Orchestra and Jazz Studio Orchestra perform in the Fine Arts Center Concert Hall at 8 p.m.

The Studio Orchestra's director, Jeffrey Holmes, has selected music in preparation for the orchestra's appearance in January at the 30th Annual International Association of Jazz Educators Conference in Toronto. The repertoire will include Holmes' "Zeeko Czacko" and "Frontiers," a commissioned work that was re-orchestrated for legendary saxophonist Ernie Watts, who will be a guest with the Studio Orchestra in Toronto. Other pieces will include student Geoff Cunningham's "Translucence," retired professor Yusef Lateef's "Masara #2" and



The University Orchestra performs at the Fine Arts Center on Dec. 9.

"There's a Yearnin'," by Oliver Nelson. Featured student performers will be soprano saxophonist

Geoff Vidal, tenor saxophonist Bryan McNamara, guitarist Patrick Hlavenka and pianist Beata Hlavenkova.

LanFranco Marcelletti, Jr., director of the University Orchestra, will conduct Hector Belioz's "Symphonie fantastique." "The Orchestra has been asking me for the past two years to play this exciting piece," said Marcelletti. "They love the music. This year we have a very strong orchestra that can handle such a challenging work."

Tickets are \$10 general public; \$5 for children under 18, senior citizens and students; and \$3 for UMass students. Call the FAC Box Office (5-2511).