Inside

The Campus Chronicle

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for the Amherst campus of the University of Massachusetts

Tuition retention proposed

Daniel J. Fitzgibbons
CHRONICLE STAFF

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The summer publication schedule is on page 2.

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Sarah J. Hamilton
golf tourney set

The first annual Sarah J. Hamilton Memorial Golf Tournament will be held at the Lodges in South Hadley on Saturday, July 12, starting at 12:30 p.m. The charity fund-raiser is being held in honor of the retired director of the New Students Program who died last November.

The tournament will feature a four-player team scramble format. The cost is $85 per person, which includes 18 holes of golf, cart and dinner.

Send check payable to Sarah J. Hamilton Golf Tournament, P.O. Box 253, Sunderland MA 01775.

Registants should indicate whether they are already part of a team of four or if they need to be aligned with a team. Include your handicap or skill level to assist in placing players on teams. For more information, call 587-0035.

For more news...
The News Office website (www.umass.edu/newsoffice) features press releases and daily summaries of national and local news coverage about the University and related higher education issues.

Spanish and Portuguese Department has active spring

Faculty and graduate students from the Department of Spanish and Portuguese have presented and published a number of academic papers in recent weeks.

Lecturer Emily Ballou gave two papers this spring. She presented “Investigating the Use of Three Computer-Mediated Communication Technologies for Promoting Communicative Competence in the Foreign Language Classroom,” at the WorldCALL Conference held May 7-10 in Banff, Alberta, and “Using the Interactional Perspective to Compare the Use of Three Technologies and their Role in Promoting Second Language Acquisition,” at the Kentucky Foreign Language Conference held April 25-27 in Lexington. Ballou is leaving UMass for an appointment at the University of California.

Professor Juan Zamora also attended the Kentucky conference, for which he organized two seminars in linguistics and gave a paper, “Términos malsonantes y tabúsimos en el español de América.”

Graduate student Verónica González presented a paper at the same conference on “Evaluating Pronunciation in a Spanish Phonetics Course.”

Professor emeritus Nina M. Scott was invited by the College of Charleston in South Carolina Castellanos gave a paper on “A Cinematic Approach to Shakespearean Use of Mythology in ‘Macbeth’: Roman Polanski’s 1971 Adaptation and Arbesú gave presentations entitled “The Legend of Peter Stubb: Werewolves in America” and “The Woekres of Geoffrey Chaucer 1561.”

Abril gave four other papers this spring: “The Political Paintings of Philip II of Spain: a King, a Soldier and a God,” at the Mark Roskill Memorial Art symposium on campus; “Narciso y su ética de amor: Educando al priego en Sor Juana y Calderón de la Barca” at the AHCT Spanish Goldie Age Theater Symposium in El Paso); “El honor, la honra y el poder de la palabra en El laberinto de Creta de Lope de Vega” at the Carolina Conference on Romance Literature, in Chapel Hill, N.C.; and “Sumisión y rebelión: relaciones femeninas de poder en la sociedad novohispana” at the Conference on Romance Studies at Boston College.

Arbesú also has published “The Lost Lady” in The Compendium of Renaissance Drama, a CD-ROM issued by the University of Northern Georgia Press.

Clarification

Last week’s news brief on Gov. Romney’s filing of Article 87 legislation to restructure state government was incomplete: Article 87 measures become law within 60 days unless rejected by either the House or Senate. In this case, which chamber will vote first has not yet been determined. Romney’s legislation, filed May 15, has two elements: one to realign state agencies and another to decide whether to retain the UMass President’s Office.

Behind the masks

Graduate student Ivelisse Lescano holds two of the masks she made for Education 615U, “Mask Making,” taught by Amaryllis Sinniosoglou. The mask at left, according to Lescano, who teaches fifth grade at the Freedman Elementary School in Springfield, is an animal mask used during funeral rites of the Guo tribes of the Ivory Coast and Guinea and represents the deceased soul of the deceased. The mask at right is a Vejigante, a fantastic, colorful character introduced into carnival celebrations in Puerto Rico hundreds of years ago. During the carnival celebrations in Loiza Aldea and Ponce, the Vejigantes roam the streets in groups and chase children with their vejigas.

The masks and works created by students in Education 697B, “Book Arts and Illustration” were displayed in Furculo Hall in an end-of-the-semester exhibition organized by Sinniosoglou.
Spam ‘tags’ planned

OTT

The opportunity to participate in a filtering system that tags probable spam and sends it to a separate folder.

“Every message that comes in to the campus mail server will be compared against the known corpus of spam,” Powicki said. “If it matches a known signature, then it will be tagged as probable spam. No messages are blocked; messages are only tagged.”

UMail users will be able to sign up at a designated webpage to have any mail tagged as spam routed to a folder where it will be stored for a specified length of time before automatically being expunged. Users will have several time-length choices, Powicki said.

“It doesn’t matter what program you use to read your UMail, whether it’s Netscape Communicator or Outlook Express, this will work for you,” he said.

“You just sign up for this service and the filtering is taken care of on the server. This is only for OIT-provided e-mail.”

Powicki estimates that approximately 65 percent of spam will be identified by the program OIT selects.

“This is the first layer of defense that we’re deploying,” he said. “Once we have the infrastructure in place, we’ll be adding additional tagging software to identify spam.”

Powicki said all UMail users will receive information about where to go on the web to sign up for the program.

Events bid farewell to Class of ’03

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The Army/Air Force Reserve Officer Training Corps Joint Commissioning commissioning ceremony also will be held Saturday at 5 p.m. in Bowker Auditorium.

The Isenberg School of Management Commencement celebration is set for Saturday at 5 p.m. in the Mullins Center, while the College of Engineering Commencement celebration will begin at 7 p.m. in the Fine Arts Center.

Following the Undergraduate Commencement ceremony on Sunday, the School of Education Undergraduate Commencement celebration will take place at 1 p.m. in the Student Union Ballroom.

Several departments also are planning Commencement-related events.

The Commencement Ball is scheduled for Friday in the Student Union Ballroom, starting at 7 p.m.

More information is available online (www.umass.edu/commencement/2003/celebrate.html).

Romney files measure to eliminate Bulger’s office

Craig R. Smith

Despite apparent legislative opposition to Gov. Mitt Romney’s bid to eliminate the office of President William M. Bulger, the governor last week filed a measure to force lawmakers to take a public stand on the issue.

Employing rarely used Article 87 powers in the state constitution, Romney filed two measures last week to try and push through a restructuring plan for state government and the abolishment of the President’s Office.

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By splitting the Bulger proposal off from his watered-down restructuring proposal, Romney is giving the Legislature an opportunity to reject eliminating Bulger’s position without also rejecting Romney’s other reforms.

“We owe the 6 million citizens of Massachusetts a government that does a better job for them — a government that runs more smoothly, that’s smaller and more efficient,” Romney said.

Under Article 87, the House or Senate must reject the measures or they become law in 60 days.

Romney admitted that the Bulger measure might not pass.

“I recognize it’s a hot-button issue. I’m not going to duck the issue. I’m going to bring it forward,” Romney said. “We’re going to give the Legislature the chance to either accept or reject it. It is by no means the central element of our reform and restructuring package.”

In a press conference at the President’s Office, Bulger, the former president of the Senate, expressed confidence that he will continue in office.

“Yes,” Bulger said. “I’m optimistic I’ll be here, and I’m not going anywhere.”

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Nagurney awarded $400,000 NSF grant

Patrick J. Callahan
NEWS OFFICE STAFF

Anna Nagurney, the John F. Smith Memorial Professor at the Isenberg School of Management, has received a two-year, $400,000 grant from the National Science Foundation (NSF) to study knowledge supernetworks and to develop models that examine the management of dynamic business processes under risk and uncertainty. Nagurney specializes in the study of large-scale financial, transportation, telecommunications, power, and other networks, and how they interconnect and function.

Nagurney says the NSF project is an outgrowth of a presentation she made at a foundation workshop in Bellagio, Italy.

"The point is to 'sequester' us for two weeks so that we can brainstorm together to develop a framework for our research," Nagurney said. "Before we meet in Bellagio, we will be exchanging papers and ideas, but we'll do most of our work on site. We hope to generate research papers and ultimately a book from the experience. Recognition and support from the Rockefeller Foundation is a huge honor. We're extremely excited."

The Bellagio Center was established in 1959 to encourage creative activity from SUNY Oswego.

The Rockefeller Foundation’s Bellagio Program is one of the largest academic foundations in the world, with approximately 3,000 participants meeting annually at Western Michigan University. Among the attendees this year was James E. Cathey, professor of German Languages and Literatures, who delivered a paper on “Bertifeld and the Helinda.” … Distinguished University Professor Lynn Maestros, at graduate student Jessie Gunnard, both of Geoecs teams received with graduate student Andrew Weir of the University of Wisconsin-Milwaukee to write the featured article in the May issue of Natural History. The piece, “Hunting Maestros,” hypothesizes that “termite agriculture preceded termite cities” and locates one path via which “lower termites” might have evolved — and might still evolve — into “higher termites.” … In an interview, Vice Chancellor for Outreach John Mullin delivered the keynote speech at a conference on affordable rental housing in South Portland, Maine. May 13. Mullin said affordable rental housing makes sense economically, as well as socially.

“I want you to think of housing making money for the community,” he said.

Remembering Emmie Tippo

Emmie Fernas Tippo, 87, widow of former chancellor Oswald Tippo, died March 22 at the Emerald-Hogeson Hospital in Sewanee, Tenn. An Amherst resident for 39 years, she moved to Tennessee in October. She had been president of the Amherst Women’s Club and was involved in the town’s group, A Spot of Tea. Both her husband and a son, Ray Ethan Tippo, died in 1999. She leaves a son, Denis Robert Tippo of Monticello, Tenn., four grandchildren, four great-grandchildren and three great-grandchildren.

Memorial gifts may be made to the Oswald Tippo Library Endowment Fund in memory of Emmie Tippo, W.E.B. Du Bois Library. A memorial service will be planned for September in Amherst.

Feeble protest

One of 36 National Public Radio affiliates targeted for a May 14 protest of the network’s reporting on Israel, WFCR saw only three people gather outside its offices at the appointed time. All were University students. The event was organized to draw attention to what participants say are negative portrayals of Israel.

David Mednicoff, assistant professor of Legal Studies, told the Daily Hampshire Gazette that the protestors don’t represent most area Jews or Israeli supporters, and that NPR’s coverage of such issues is among the best in the nation.

No writer’s block

Alumnus Francis J. McNerny, ’85, of South Hadley is listed as Amazon.com’s seventh most prolific online book and video reviewer. Although McNerny didn’t get paid to write his 870 reviews to date, he told the Boston Globe in a May 20 story about him that he now receives advanced copies of books from some authors and publishers.
New 21st Century Leader Awards to be given to 11 seniors

Eleven members of the Class of 2003 will be awarded 21st Century Leader Awards during the Undergraduate Commencement on Sunday. The newly created awards recognize graduating seniors who have demonstrated exemplary standards of achievement, initiative, and social awareness. The recipients have excelled in one or more areas: as leaders unifying and inspiring others to take constructive action; as researchers in their respective fields; as community activists on or off campus; as undergraduate teaching assistants motivating others to learn; as role models in overcoming personal obstacles; or as significant creative or athletic talents. They have further demonstrated integrity, discipline, courage, compassion, and good humor. These awards are presented in the hope that all of the recipients will bring further honor to themselves and the University.

The inaugural group of 21st Century Leaders are:

Heather A. Berthiaume
Communication Disorders
A Commonwealth College honors student who has made the Dean’s List every semester, Berthiaume was drawn to the study of communication disorders by her close relationship with her youngest brother, who was born with Down’s syndrome. She has conducted original research on the auditory benefits college-age adults may reap from wearing earplugs while practicing. Berthiaume is highly active in community service, having volunteered since 1992 in support of such events as the Special Olympics. She earned praise from faculty and students alike as an undergraduate teaching assistant for those Communication Disorders courses in which she has participated in the International Teaching Assistants Program.

Christina Calvaneso
Operations Management
While serving as an associate at the Virtual Center for Networking, Calvaneso conducted a research project that promotes the study and application of supernetworks in academia, industry, and government. Calvaneso conducted research sponsored by a National Science Foundation grant. As president of the Isenberg School of Management’s Undergraduate Leadership (ULEAD) Council, she restructured the organization, spearheaded its First Annual Leadership Forum, and oversaw focus groups and clothing collections for local survival centers. She also has worked with underprivileged students in Kingsport, Tenn. Calvaneso helped develop the curriculum for the Isenberg School’s freshman orientation and was a teaching assistant in a course on quantitative tools management.

Jorge L. Oliver Diaz
History/Classics
A non-native English speaker, Diaz chose reading- and writing-intensive majors in pursuit of his goal of teaching Latin American history at the college level. At the Thacher House Language House, where residents immerse themselves in any of six foreign languages, he has been recognized for his efforts on the Spanish floor, conducting classes to enhance his peers’ knowledge of Spanish and Caribbean cultures and generally encouraging a harmonious atmosphere. Diaz’s community service has included teaching in the Amherst schools, volunteering at the Red Cross, collecting donations for the Food Bank of Western Massachusetts, and taking part in the annual Walk for Hunger.

Kristin Leigh Forloney
Microbiology
Having amassed an exemplary record of achievement in microbiological research, Forloney last year received an honor granted few undergraduates: she was asked to address the annual meeting of the American Society of Microbiology — one of the largest and most important professional meetings in the field — on the independent research she was conducting. She also has presented her work at the Undergraduate Research Conference and received many awards. During the past five years, Forloney has volunteered with the American Society and the Food Bank of Western Massachusetts, tutored children in math and reading, and worked with underprivileged teens in Holyoke.

Judd E. Galloway
Civil & Environmental Engineering
At age 28, Galloway is a non-traditional student who during two years as president of the University chapter of the American Society of Civil Engineers transformed it into one of the nation’s finest student chapters. He also has worked with department professors on the campus’s bridge restoration project. While serving in the Navy, Galloway specialized in cryptology and application of supernet-motivated ideas. At age 20, he organized and conducted group training sessions and oversaw the activity of 20 translators. He has held workshops on civil engineering for the Girl Scouts and taken part in five Habitat for Humanity building sessions.

Jonathan J. Laubinger
Philosophy
Despite belonging to several honor societies, regularly making the Dean’s List, and having been a Rhodes Scholarship nominee, Commonwealth College honors student Laubinger may have had his greatest moment on the night of Sept. 11, 2001, when he offered comfort and consolation to some 4,000 students attending a campus-wide vigil he organized. Laubinger also serves on the Board of Trustees as student representative for the Amherst campus and represented the University in the 5-kilometer race sponsoried by the 12th International Conference on AIDS/STDs in Africa.

Erika Holly Mattison
Psychology
Passionately interested in politics and psychology, Mattison has completed an honors thesis on public perceptions of male and female political candidates and has volunteered with several state and national political campaigns. Mattison’s academic achievements have been recognized by more than 10 groups, including national honor societies, and she was a Truman Scholarship national finalist. She conceived and developed the campus’s Dean’s List Reception. Mattison has been a tour guide at the U.S. Capitol, the Massachusetts State House, and the Paul Revere House, and interned with the Massachusetts Cultural Council and the Massachusetts Office of Travel and Tourism.

William A. Powers
Political Science/Psychology
Having done a Political Science honors thesis on partisan “de-alignment” in Massachusetts politics, Powers has further demonstrated his interest in government by serving since 2000 in many capacities in Massachusetts politics, Powers has further demonstrated his interest in government by serving since 2000 in many capacities in Massachusetts politics, serving on the Board of Trustees. He also has been very active with the Massachusetts Public Interest Research Group, helping to coordinate campus voter registration and a local energy efficiency program, and serving in several posts at the state level and on the National Student Forum. Powers is a Commonwealth College honors student and a member of several honor societies.

Heather L. Ruel
Geography
The Hampshire County Conservation District chose Heather L. Ruel as the recipient of its 2002 Conservationist of the Year Award for her research and activism related to eradicating the highly invasive Asian water chestnut, which is choking rivers, pools, and ponds throughout New England. A non-traditional student, Ruel in her work blends academics, research, and outreach in a way that both derives from and celebrates this University’s genius as a land-grant institution. Aside from completing an honors thesis on the Asian water chestnut, she has organized a number of “spotting and pulling” events at various sites to help fight its spread.

Doug White
Management
As the only varsity athlete nominated for Commonwealth College’s Dean’s List, White has balanced the demands of high academic achievement, playing on a Division I-AA football team, and taking leadership positions in a starting array of extra- and co-curricular activities — 25 in all, accounting for more than 10 credit hours of his curriculum vitae. He is a three-time Academic All-Atlantic 10 selection and holds the all-time career record in career field-goal percentage. He also volunteers for the Amherst Survival Center, Habitat for Humanity, and the Tobacco Control Program, and helped form an academic partnership between UMass Amherst and the University of Ulster in Ireland.

Nicole Marie Yukna
History
This past January, Nicole Marie Yukna traveled to South Africa to do research for her senior thesis comparing urban and rural experiences during the overthrow of apartheid and emergence of democracy in South Africa. The compassion and perceptiveness she showed there also were apparent in her research of the campus’s chapter of Amnesty International. Elected to Phi Beta Kappa as a junior, she is the only member of this year’s Phi Beta Kappa class with a perfect 4.0 grade point average. She has studied at Oxford and interned with the Governor’s Press Office at the Massachusetts State House and the Suffolk County Victim-Witness Advocate Program.
Clydesdale appointed Distinguished Professor

Patrick J. Callahan News Correspondent

Fergus M. Clydesdale, head of the Department of Food Science has been appointed Distinguished Professor by President William M. Bulger. The appointment was made following a vote of approval by the Board of Trustees at its meeting May 7 at the UMass Dartmouth campus.

Clydesdale was recommended for the honor by Chancellor John V. Lombardi, Charlena Seymour, interim senior vice chancellor for Academic Affairs and provost, and Cleve Willis, dean of the College of Natural Resources and the Environment. In their letter of recommendation, Lombardi and Seymour say the quality of Clydesdale’s work has made him one of the world’s experts in food policy. They point out that Clydesdale is the author of 360 scientific articles and 20 books which he has either co-authored or co-edited. “While Dr. Clydesdale’s academic accomplishments more than justify our request, let us note, too, his outstanding teaching accomplishments. He has established exemplary credentials in teaching and has received the highest University honor: the Distinguished Teaching Award both for teaching large general education classes and smaller, upper-level graduate offerings,” they say.

Lombardi and Seymour also noted that Clydesdale has received numerous honors and awards, and as one outside observer pointed out, he has “received widespread recognition by his peers and has been given most of the major honors … For teaching he received the William Cruess Award, for research the Baskin-Hart Award, and for outreach the Donald K. Tressler Award.” He is also the recipient of the highest honor given by the Institute of Food Technology — the Antoni Nappert Award. Clydesdale earned his bachelor’s and master’s degrees from the University of Toronto, and earned his doctorate in Food Science from UMass Amherst in 1972.

Initially appointed as a post-doctoral research associate, he was appointed to the faculty in 1967 and awarded tenure and promoted to associate professor in 1972. He was promoted to professor in 1976 and is currently department head, a post he has held since 1989.

Grant aids completion of Five College book depository

Five Colleges, Inc. has received a grant of $520,000 from the Davis Educational Foundation to support the completion of shelving for the Five College Library Depository.

Housed in a portion of a bunker that formerly served as a command center for the U.S. Strategic Air Command, the depository space was made available to the libraries several years ago by Amherst College, shortly after acquiring the facility. In May 2000, the Five College Educational Foundation funded the installation of some shelving during the initial process of renovations and at that time indicated it would consider a continuation grant two years hence, based upon review of the project’s status.

Renovations to that portion of the bunker that will house the joint depository are now complete and the Five College Library Depository has been in operation for several months with approximately one-third of its high-density shelving installed. Since November, more than 12,000 volumes have been transported to the site and catalogued, freeing up much-needed space in the member libraries. Existing shelving will house approximately 195,000 volumes of lesser-used materials and is expected to reach capacity by spring of 2004. The continuation grant from Davis will fund installation of the remaining shelving and help bring the $1.9 million project closer to completion.

The off-site storage facility promises to benefit the member libraries in several ways. In addition to freeing up valuable space in both main and branch libraries, the project has generated increased planning in acquisitions. The joint facility also has streamlined access for researchers by housing together in one site complete and high-quality runs of lesser-used periodicals. Five College faculty and students may request copies of materials housed in the depository online or may consult materials on site in a reading room set aside for that purpose.

The Davis Educational Foundation was established by Stanton and Elizabeth Davis after his retirement as chairman of Shaw’s Supermarkets.

Student works showcased at BDIC project fair

More than 200 students, alumni and faculty attended the Bachelor’s Degree with Individual Concentration Program’s fourth annual Spring Projects Festival on May 1.

Students in BDIC’s junior writing class exhibited their projects at the event, which was co-sponsored by Career Services and the Alumni Association. Research projects and presentations ranged from public health, creative drama and visual art to international economics and computer technology.

BDIC also hosted a forum of six alumni from a variety of academic fields who provided insight and answered questions about life after college. Panelists included Bill McGowan, ’78, who owns AltaVisuals, a production company in Boston, David Soboff, ’82, who built an advertising and marketing agency called Thinkwell and Maryann Davis, ’81, a professor of Psychiatry at the UMass Medical School.

Art exhibits included an intaglio print display by Erin Hickey and Elizabeth Bishop, Lily Shabani’s acrylic floral paintings, Sara Antonio’s collage project of media images of women, and paintings by Amy Marisa Weiner.

Music was provided by the student groups Instinct and the George Drouillard Trio.

Top student workers given Gerald F. Scanlon Awards

Chancellor John V. Lombardi presented 10 student employees with awards for outstanding performance on May 15 during a reception at the Mullins Center.

The Gerald F. Scanlon Student Employee of the Year Award was given to James Barbosa, Auxiliary Services; Carey Bellino, Graduate School; Barbara Botu, Everywoman’s Center; Andrea Cizek, Isenberg School of Management; Christina Gualberto, Student Assessment, and Evaluation Office; Molly Ladebauche, University Advancement; Andrew Moore, Office of Information Technologies; Paris Muska, Housing Services; Carolyn Pyburn, Center for Student Business; and Ryan Trowbridge, WMUA.

Nominations for the Scanlon Awards were solicited from the campus community. A selection committee comprised of representatives from each executive area and Financial Aid reviewed nominations and recommended these individuals for recognition.
New sensor could provide early warning of failing machinery

Patrick J. Callahan

Researcher Robert Gao has developed a new sensor system that essentially en- ables machinery to alert human operators when it is overloaded, broken or wearing out. This new sensor technology, for which a patent has been filed, has the po- tential to bring about improved safety and productivity in the transportation and manufacturing industries. The invention was the result of Gao’s research funded by the National Science Foundation.

“Sensors are playing an increasing role in industry and society,” said Gao, an asso- ciate pro- fessor in the Department of Mechani- cal and In- dustrial En- gineering. “An accurate measurement of how much weight a forklift, truck, or airplane is carry- ing, and the distribution of that weight, is of great value in terms of safety. A shift in the load’s distribution could indicate a me- chanical malfunction or a worn-out compo- nent; and of course, a machine that is overloaded may not operate safely.”

For the past decade, Gao’s work has fo- cused on developing various types of tiny microsensors that can be embedded into machine parts, such as bearings, to detect if the machine is endangered by over- load- ing or excessive vibration, which can lead to potential failure. Bearings are widely used to provide support for machinery that rotate, such as the rotor on a helicop- ter, or the shaft of an engine. Gao explains. Bearing a with a microsensor embedded in its structure would be able to send an alarm signal to a remote computer if a

AIMs restores AV equipment delivery

Beginning with summer session, Aca- demic Instructional Media Services Equip- ment Loan services will restore the deliver- y and pick up of conventional audiovi- sual equipment for classroom use. This service is in addition to TV/VCR combina- tion units loaned to data projectors and will continue until further notice.

“Conventional AV equipment is 16mm film projectors, 35mm slide projectors and audiocassette tape recorders,” said direct- or John W. Stacey. Equipment loans to classrooms will continue to be free, equip- ment loans for non-classroom uses are free- based. For information or to schedule loan, call Richard Guerdon at 5-5765.

As of June 1, AIMS Technical Support Services will begin its summer summer check and preventive maintenance program for University-owned equipment. AIMS Tech Support also will add repair of University- owned AV TV and presentation equipment to its services. Repairs and maintenance services are fee-based. For information, call Steve Pelock or Bill Russell at 5-5767.

The reorganization of AIMS, which was to include the administrative transfer of Equipment Loan and Technical Support to the Office of Information Technologies, will not occur in fiscal 2003 as targeted or in FY04, according to Stacey.
Alumna wins Guggenheim for photographic work

Sarah R. Buchholz
Chronicle Staff

Campus-connected Guggenheim Fellowship winners this year aren’t limited to faculty. Alumna Anne Rearick of Gloucester received one for her work as a photographer.

Rearick, ‘82, who majored in English, documented the Basque region in France for a decade before turning her attention to amateur boxing.

“In both cases I have been drawn to find, with my camera, the tenderness within a culture that is more widely perceived as brutal, whether that brutality is linked to terrorism, as with the Basques, or to pugilism, as with boxers,” she said. “The human tendency to regard violence as ‘other’ is matched by the human tendency to enact violence, and along those poles lies an axis of tension that has me visually and emotionally riveted.”

Rearick will use her Guggenheim to continue her study of boxing in the U.S., Cuba and Kazakhstan.

“I have found something quieter and purer that I thought boxing could be,” she said. “Alongside the blood and bruises exist relationships between fighter and trainer, and among fighters and trainers, that are as true and loving as relationships can be.”

Rearick holds an MFA from Massachusetts College of Art. She has been the recipient of a Fulbright, an Annette Kade Fellowship, a Paris-based photo agency Vu, a Paris-based photo agency and gallery, since 1992.

Peleg elected to expert panel

Micha Peleg, professor of Food Science, was elected to the International Academy of Food Science and Technology (IAFoST) in April. The academy comprises food scientists from around the world who collectively serve as a source of expertise in food science and technology to governments, international and national organizations, and to members of their scientific community.

The group also exists to promote cooperation and the exchange of information among nations and to encourage international training and education in the field.

Peleg is an expert on food engineering, reology, and modeling and enters the academy, which numbers fewer than 100, with approximately one dozen colleagues this year.

“To be eligible...a person must be generally recognized as having established an international reputation for scientific accomplishments and/or leadership in the area of food science and technology,” says the IAFoST website.

Anderson honored by ICA

Psychology professor Daniel R. Anderson has been selected by the International Communication Association to receive its Public Policy Research award. Anderson is being cited for his research on children’s learning from television, including attention, comprehension and viewing behavior, as well as the long-term impact of TV on a child’s development.

The award will be presented during the ICA’s annual conference, scheduled for May 23-27 in San Diego.

Volpe heads team of investigators on NIH grant

Stella Volpe, associate professor in Nutrition, recently received a National Institute of Diabetes & Digestive & Kidney Diseases (NIDDK) of the National Institutes of Health grant for $200,000 to assess the effects of altering portion sizes on the prevention of weight gain. This project will be conducted in association with the campus’ Dining Commons.

Co-investigators on this grant are: Jean Anliker, research associate professor of Nutrition; Stephen Gehlbach, School of Public Health and Health Sciences dean, John Jiacco of the University of Pittsburgh, Dave Rosser professor emeritus of Biostatistics and Epidemiology and Chris Economos of Tufts University.

May Leung, project manager in Nutrition, will be the project manager of the grant. Dianne Sutherland, senior dietitian in the Dining Commons, Ken Toong, director of University Dining and Retail Food Service, and Ed Anderson, manager of the Worcester Dining Commons, will be the primary contacts in Food Service.

May 23, 2003
The Campus Chronicle
Turning off the heat and switching on the AC

Powerlines

Jason Burbank

A seasonal ritual in some buildings, like putting away the winter clothes, is the turning off of the heat. Then, for many other buildings, there comes the starting of the air conditioning. Newer buildings typically have much less obvious ritual, but still a number of things happen behind the scenes. If automatic temperature controls were completely automatic, spring and fall would be pleasant, peaceful times for building operations people. Instead, I’ll have to confess difficulty sharing the enthusiasm people have for a string of 90-degree days in mid-April, even though I still love New England.

Controlling the heat, in our oldest, direct steam-heated buildings is done with hand valves on the radiators and windows that open. In addition there is always the main building steam valve, which ideally is turned off in the summer to avoid unwanted pipe heat loss. Variations on this theme were used, progressing to thermostats controlling large zone valves or individual thermostats controlling the room radiator valves. One very useful overlay on these control schemes has been to give operation of the main steam valve or zone valve to a computerized controller. Now even if local valves are in poor working condition, one can control the building heat centrally. Still, to control pipe heat loss or overcome local steam valves which just love to leak by, the main building steam valve is often turned off in the spring. Because of the difficulty in controlling and maintaining steam heating systems, most modern buildings will use either hot water or hot air for heat. Although still heated from our central steam system, the water or air temperature can be reduced to a point where its just enough to heat the cold spots, and control is much easier even if the room controls don’t work perfectly. These heating systems do typically work well automatically, with heating pumps shutting off above some outside air temperature, say 60 degrees.

Now that we’ve got the heat off, what about that cooling? Like the operable windows in our oldest buildings, the best of our air handling systems will bring in outside air as required for cooling. Often referred to as an “economizer” cycle, this will provide all cooling required whenever the outside air is below 50 degrees or so by mixing in enough outside air into the supply. This is actually required for new construction by the state energy code. (The operable windows, interestingly, are making a comeback as interest mounts in low energy use “green” buildings.) As the outside temperature rises, more and more mechanical refrigeration cooling is required to keep that desired 55-degree cool air supplied to the building.

Air cooled refrigeration equipment, including window air conditioners and most smaller cooling systems, reject their heat to the outside air directly. This means that they need to work real hard when the outside air temperature is high, and consume more electricity as the temperature rises. Large cooling equipment is available in more efficient water cooled options, and this brings us to that seasonal sweetheart of HVAC maintenance people, the labor cost of energy efficiency, the cooling tower. Cooling towers splash water over plastic fill and pull air over the whole thing to cool and evaporate the water. Note how those wet clothes feel cool on a dry windy day. The cooling tower will make water cooler than the surrounding air temperature, and thereby provide a lower temperature sink for that rejected air condition heat. Now the refrigeration equipment, typically a chiller, will use around half the electricity of its air cooled counterparts. Cooling towers make the interesting vapour plumes on humid mornings, including most all year round for the Mullins ice rink. Since they are difficult to keep from freezing in the winter, cooling towers are the main reason air conditioning systems are shut down seasonally. We stagger the startups across the month of April and the shutdowns across October and November to manage the workload for chillier mechanics, HVAC maintenance staff, and water treatment technicians.

The fussiest buildings get the longest cooling season, where fussy here means any animal rooms or buildings with the least economizer cooling. Du Bois Library, parts of Morrill Science Center or the Fine Arts Center, you know who you are and hopefully we do also.

As always, thanks for turning off whatever you can when you leave your building. Questions or comments are welcome. Contact me by e-mail (jhubank@facil.umass.edu) or give me a call at Physical Plant at 5-6498.

Jason Burbank is the campus energy engineer at Physical Plant. Powerlines appears in the Chronicle at various times during the year.
Minutemen lose to Maryland

A tough Terrapin defense proved too much for the No. 5-ranked Minutemen last Sunday as Maryland won 13-7 in the quarterfinals of the NCAA men’s lacrosse tournament at the Carrier Dome in Syracuse.

Coach Greg Cannella’s squad ended its season at 13-3, tying a school record. The team has a nation-high 37 victories over the last three years.

The Terps outshot the Minutemen, 37-36, and UMass goalie Bill Schell stopped 13 shots. UMass won 14-of-24 face-offs, were 17-of-18 on clears and had more ground balls than Maryland, 35-29.

UMass’ top two scorers, Jeff Zywicki and Kevin Leveille, were held scoreless, while the team’s third-leading scorer, Chris Fiore, had a goal and an assist. Chris Duffy, who led the Minutemen with three goals, has his second career hat trick.

UMass was held to its lowest amount of goals since a 17-7 loss against Syracuse during the 2000 season, on the same Carrier Dome turf. The Minutemen are now 0-12 at the Carrier Dome all-time.

Cross and White honored as campus’ athletes of the year

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**2003 SUMMER HOURS FIRST SESSION**
**M A Y  2 3  –  J U L Y  1 3**

(Hours may be subject to change. Call 545-0414 for a recorded message.)

### HOURS

<table>
<thead>
<tr>
<th></th>
<th>W.E.B. DU BOIS LIBRARY *</th>
<th>BIOLOGICAL SCIENCES LIBRARY</th>
<th>PHYSICAL SCIENCES &amp; ENGINEERING LIBRARY</th>
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<tr>
<td></td>
<td>(Main Library) 545-0150</td>
<td>214 Morrill Science Center 545-2874</td>
<td>Lederle Grad Res Center, 2nd floor 545-1370</td>
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<tr>
<td>Monday – Thursday</td>
<td>11:00 am – 7:00 pm</td>
<td>1:00 pm – 5:00 pm</td>
<td>1:00 pm – 6:00 pm</td>
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<tr>
<td>Friday</td>
<td>11:00 am – 5:00 pm</td>
<td>1:00 pm – 5:00 pm</td>
<td>1:00 pm – 5:00 pm</td>
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<tr>
<td>Saturday – Sunday</td>
<td>CLOSED</td>
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### EXCEPTIONS

**Saturday, May 24**
W.E.B. Du Bois Library open 9:00 am – 5:00 pm
(no services this day)

**Saturday, June 7**
W.E.B. Du Bois Library open 11:00 am – 2:00 pm
(no services this day)

+ **ALL LIBRARIES CLOSED**

**MEMORIAL DAY**
Monday, May 26

**INDEPENDENCE DAY**
Friday, July 4

Please Note:
Due to renovations at the libraries this summer, hours are subject to change with very little notice. Call 545-0414 or check [http://www.library.umass.edu/hours.htm](http://www.library.umass.edu/hours.htm) for updates.

*Includes Circulation (545-2622), Current Periodicals and Microforms (545-6854), Reference Services (545-0150), and Reserve and Media (545-2334).

### DEPARTMENT HOURS

These hours differ from regular hours and may be subject to change. Call the numbers listed to confirm the hours of specific departments.

<table>
<thead>
<tr>
<th>Department</th>
<th>Telephone</th>
<th>Mon. – Thur.</th>
<th>Friday</th>
<th>Saturday</th>
<th>Sunday</th>
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<tbody>
<tr>
<td>Interlibrary Loan</td>
<td>545-0553</td>
<td>11:00 am – 5:00 pm</td>
<td>11:00 am – 6:00 pm</td>
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<td>CLOSED</td>
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<tr>
<td>Map Collection</td>
<td>545-2367</td>
<td>12:00 pm – 5:00 pm</td>
<td>12:00 pm – 6:00 pm</td>
<td>CLOSED</td>
<td>CLOSED</td>
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<tr>
<td>Music Reserve Lab (140 Fine Arts Center)</td>
<td>577-2711</td>
<td>Tuesday – Thursday 9:00 am – 1:00 pm</td>
<td>CLOSED</td>
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<tr>
<td>Special Collections &amp; Archives</td>
<td>545-2780</td>
<td>12:00 pm – 5:00 pm</td>
<td>12:00 pm – 5:00 pm</td>
<td>CLOSED</td>
<td>CLOSED</td>
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</tbody>
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+ **ALL DEPARTMENTS CLOSED**

**MEMORIAL DAY**
Monday, May 26

**INDEPENDENCE DAY**
Friday, July 4