



Students arrive from areas hit by Katrina

Sasha Brown
News Office

Fifteen undergraduate students from the hurricane-stricken Gulf Coast arrived on campus this week as MIT continued its efforts to help out in the wake of the devastating storm. Eleven additional applications from graduate students are currently under review.

Since Hurricane Katrina struck, the MIT community has worked to collect both immediate relief — money, food and clothing — as well as make long-range relief plans that might include sending MIT students to the Gulf Coast in 2006.

"It is neat how widespread a community effort it is," said Sally Susnowitz, director

of the Public Service Center (PSC), who has been coordinating much of the effort.

The PSC began collecting funds on Sept. 6, just one week after the Category 4 hurricane devastated parts of the Gulf Coast and destroyed the city of New Orleans.

In the first day of fund-raising, the PSC collected \$2,000 from many small donations, and one check for \$1,000, at its Lobby 10 collection booth, staffed by volunteer students, staff and faculty.

The cash donations will go to three different organizations — the Red Cross, local Gulf Coast organizations and a PSC fellowship fund. The fellowships aim to send students with relevant skills in urban planning, architecture or civil engineering to the affected areas next year during

January's Independent Activities Period, spring break and the summer. Donors may specify the fund to which they want to donate.

In addition to cash, checks and Tech-Cash, students are collecting non-perishable food and clothing in good condition that will be sent to the Gulf Coast. Junior Louis Fouche (fouche07@mit.edu) is coordinating the effort.

Money from Chancellor Phillip Clay's office has been designated to support relief efforts by students and other members of the MIT community. "We want to support community efforts to respond to the awful events that we see in the aftermath of Katrina," said Clay. "MIT supports community efforts to help those who are affected."

Students are also raising money independently, said Susnowitz. Students collected donations during a campus movie night over Labor Day weekend. And on Saturday, Sept. 17, students are organizing a fund-raising dinner at 6 p.m. in La Sala de Puerto Rico in the Stratton Student Center. A minimum \$15 donation is requested to attend the dinner, which will feature "region appropriate" dishes. Reservations may be made in Lobby 10.

There will also be a Hurricane Katrina Benefit Concert in Lobdell at 9 p.m. on Sept. 24. The PSC has been hard at work to coordinate the various efforts. The offers of support have been overwhelm-

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Architecture's new head sees MIT 'treasure'

Sarah H. Wright
News Office

Yung Ho Chang, one of China's most accomplished contemporary architects and the founding head of the Graduate Center of Architecture at Peking University, has been appointed head of MIT's Department of Architecture.

Chang, 49, replaces Stanford Anderson, professor of history and architecture, who served as head of the Department of Architecture from 1991 through 2004.

For Chang, whose appointment was effective on July 1, coming to MIT is like opening a "treasure of knowledge and ideas, and I'm dying to learn what's inside there. MIT has offered an excellent opportunity to reflect, learn and debate new possibilities and directions in architecture," he said.

Chang was also a founding partner, with his wife Lijia Lu, of Atelier Feichang Jianzhu (FCJZ) in Beijing in 1993. Translated as "unusual architecture," FCJZ was the Chinese capital's first independent architectural firm, with completed projects including private residences, large- and small-scale museums, government buildings and installations at the Venice Biennale and the Centre Pompidou in Paris.

In an interview, Chang credited an eclectic group of artists, writers and architects with inspiring his innovative approach to built space. "I am strongly influenced by the art of Marcel Duchamp, the films of Alfred Hitchcock, and the novels of Flann O'Brien and Alain Robbe-Grillet," he said.

Split House, completed in 2002, is Chang's best-known work and an embodiment of his vision of balancing contemporary and traditional elements in what he hopes will develop as a new Chinese architecture.

A luxurious private residence, one of

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PHOTO / DONNA COVENEY

Freshman Nate Stein Sharpe hones his balancing act this summer with Circus Smirkus. He's standing on the shoulders of Mason Ames, another performer.

Goodbye big top, hello MIT

New freshman really knows how to juggle

This is the first in a series of profiles of members of the freshman class.

Sasha Brown
News Office

Running off to join the circus is not just a dream for MIT freshman Nate Stein Sharpe.

Stein Sharpe toured eight weeks this summer with Circus Smirkus, a Vermont-based youth circus. The performer from Canton, Mass., can juggle everything from traditional balls and clubs to knives and lit torches.

He mastered five items years ago, but is newly enamored of the diablo, a Chinese folk toy that consists of a wooden spool tossed on a string tied to two sticks.

"It takes a lot of practice," said Stein Sharpe, who works on his skills for up to three hours each day. It took him one week of practice just to get three balls in the air when he first started six years ago. Getting five balls up took twice as long.

"If you put in the time, you will get better," said Stein Sharpe, who has applied that same discipline to his studies, earning straight As each year at Canton High School.

His interest in the circus was sparked at a young age. "His dad is a big circus fan, so he started going to the circus every year when we was

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Literature professor Merritt dies

Sarah H. Wright
News Office

Travis R. Merritt, a professor emeritus of literature whose enthusiastic service over four decades at MIT included taking leadership roles as dean for undergraduate academic affairs and director of the Experimental Study Group, died on Sept. 2, from a heart attack following a lengthy illness. He was 71.

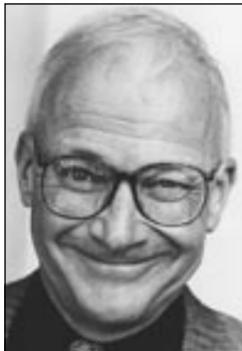
"Travis Merritt was a deeply committed professor of literature who ran the Humanities Office for many years where his devotion to Course XXI majors was legion. He was a superb undergraduate mentor," said Philip S. Khoury, Kenan Sahin Dean of the School of Humanities, Arts, and Social Sciences.

Merritt, a native of Plattsburgh, N.Y., came to MIT in 1964. He was an authority on 19th and 20th century literature, with a special interest in the changing role of prose. His book, "Style and Substance," is a teaching text on English prose.

As director of the Humanities Undergraduate Office, Merritt helped establish MIT's current wealth of interdisciplinary programs by supporting new courses that

combined humanities with engineering and science. He was fond of saying he believed in "dual literacy"—knowledge of both humanities and science—for all students.

Known for his particular interest in the education and wellbeing of first-year students at MIT, Merritt helped run the freshman advisory program and the annual Independent Activities Period (IAP) and coordinated residence and orientation week. He started the Freshman Advisor Seminar series and also played a key role in establishing the Concourse program for freshmen in 1971.



Travis Merritt

"Travis was a really wonderful and unique person. We spent a lot of enjoyable time together, and he did many things to make MIT a better place. He was deeply and effectively dedicated to our students," said Charles M. Vest, professor of mechanical engineering and president emeritus of MIT.

A devoted teacher and skilled administrator, Merritt is credited in Institute lore with founding "Charm School," the now-famous IAP course that offers light-hearted instruction on proper conduct in social and professional settings.

Peter Donaldson, professor of literature, characterized Merritt's administra-

tive style in directing Charm School activities as "full of high and low comedy and a flair for irony."

Merritt retired as dean of undergraduate affairs in 1996. At the time, he declared, he would spend more time with his family, travel to the Greek Islands and create leaded stained glass.

Within the year, he had become director of the Experimental Study Group, bringing his commitment and delight in MIT to yet another generation of students.

Merritt received the B.A. degree in English literature from Williams College in 1955 and the M.A. and Ph.D. degrees in English literature from the University of Chicago in 1956 and 1965, respectively.

Merritt's wife Maureen M. (Connolly) died in 1988. He is survived by four daughters, Grace E. Merritt of West Hartford, Conn., Lisa C. Merritt of Lexington, Amy V. Merritt Easton of Concord, and Susannah C. Merritt of Seattle, Wash.; three brothers, Richard Merritt of Peekskill, N.Y., David Merritt of Long Lake, N.Y. and Stephen Merritt of Malden; two sisters, Clare Fischer of Wiscasset, Maine and Martha Shugrue of Sudbury; six grandchildren; and many nieces and nephews.

A memorial service will be held at the MIT Chapel on Saturday, Oct. 1, at 4 p.m.

Donations in Merritt's memory may be made to the Alzheimer's Association, 36 Cameron Ave., Cambridge, MA 02140 or to Habitat for Humanity, 121 Habitat St., Americus, GA 31709.

Suresh wins major materials science award

A panel of international judges has selected Subra Suresh, the Ford Professor of Engineering and head of the Department of Materials Science and Engineering, as the 2006 recipient of one of the most prestigious and multinationally coordinated prizes in materials science and engineering: the Acta Materialia Gold Medal.

The medal selection is co-sponsored by 30 different professional societies from around the world, each of which may nominate a candidate for the award through a rigorous internal selection process.

In a rare occurrence, Suresh was simultaneously nominated by two different international materials societies as their unanimous choice, after a selection process conducted independently by their own awards committees.

In announcing Suresh's selection for the award, the sponsoring nonprofit organization, Acta Materialia Inc., noted: "During a career spanning three decades, he has made pioneering contributions to metallurgy, materials science and engineering, engineering mechanics, fracture mechanics, fatigue of materials, thin films, and cell and molecular biomechanics. His students and associates now occupy prominent positions in academia, industry and government around the world."

Suresh also holds appointments in the Division of Biological Engineering, the Department of Mechanical Engineering and the Harvard-MIT Division of Health Sciences and Technology.

Suresh will receive the 2006 Acta Materialia Gold Medal and a cash prize at the 2006 fall meeting of the Materials Research Society in Boston.

On that occasion, he will also deliver the Acta Materialia Gold Medal Lecture.



PHOTO / DONNA COVENEY

Physics Professor Emeritus John King runs electric current through a pickle, a demonstration he and Institute Professor Emeritus Philip Morrison used in their classes, at a memorial celebration for Morrison at Kresge Auditorium on Saturday, Sept. 10.

Colleagues remember Morrison

Sarah H. Wright
News Office

Colleagues and friends honored the memory of Philip Morrison, Institute professor emeritus, theoretical astrophysicist and science educator, by celebrating his well-known capacity for wonder in a service in the MIT Chapel on Saturday, Sept. 10.

Morrison died on April 22 in Cambridge. He was 89.

A member of the Manhattan Project who became a vocal critic of the nuclear arms race, Morrison was an author, with his late wife, Phylis, of numerous books on science for young readers.

Claude Canizares, associate provost and professor of physics, chose "Nothing Is Too Wonderful to Be True," one of Morrison's books, to set the tone for the gathering.

"Phil and Phylis were electrifying in the

way they shared that wonder with literally millions of people, but especially with those of us who had the extreme good fortune of being able to know, work, play, laugh with and love them," Canizares said.

"We are, of course, proud of Phil's contributions to research and teaching. But we are especially proud of his success in explaining physics to the public," said Marc Kastner, head of the Department of Physics and Donner Professor of Science.

Kosta Tsipis, research affiliate in mechanical engineering, said "He remained to the end an inspirational moral reference point ... publicly and eloquently active in the cause of peace."

Other contributors to the service included Owen Gingerich, senior astronomer emeritus at the Smithsonian Astrophysical Observatory; Karen Worth, senior scientist in the Center for Science Education at the Education Development Center Inc.; and Bert Singer, Morrison's stepson.

NEWS YOU CAN USE

MISTI plans events

MIT International Science and Technology Initiatives (MISTI) kicks off a weeklong series of events with a full day of exotic cuisine and cultural fun in Lobby 10 on Tuesday, Sept. 20. MISTI Week will also feature a panel discussion on "The Future of the Car/The Car of the Future" (Sept. 22), a three-day soccer tournament on the Barry AstroTurf, a barbecue and various movie screenings. Orientation sessions will offer information to those interested in participating in MISTI, which matches undergraduate and graduate students with professional internships in eight different countries. Check out the full MISTI Week schedule online at web.mit.edu/misti/ or in the display in the Infinite Corridor.

Leadership program

Applications for the 2006 Leader to Leader Program are due Sept. 26. The program brings employees, senior administrators and faculty together over the course of a year to build MIT's internal leadership capability. Any employee or faculty member may apply. Faculty interested in participating may contact the provost's office. Other employees can apply online at web.mit.edu/hr/oed/l2l. For more information, visit the web site or contact Kimberly Nyce, program administrator, at knyce@mit.edu or x8-0401.

Travel Vendor Fair

The seventh annual Travel Vendor Fair will be held Tuesday, Sept. 20, in Lobby 13 from 10 a.m. to 2 p.m. The fair offers information for individuals who travel on MIT business or are responsible for making travel arrangements for others.

Libraries Week events

Beginning Monday, Sept. 19, the Libraries will host a series of special events to celebrate Libraries Week (Sept. 19-23). This year's events are coordinated around the theme, "Building Knowledge." The MIT community is invited to take part in informal information sessions, snack breaks and other activities. Stop by any library for more information or go to the Libraries web site (libraries.mit.edu/) for a schedule of events.

Blood drive this week

A blood drive will be held in La Sala de Puerto Rico in the Student Center on Thursday, Sept. 15, and Friday, Sept. 16, from noon to 6 p.m. each day. Donations for Hurricane Katrina relief will be collected during the drive, and people will be able to register as bone marrow donors. For more information or to make an appointment, visit web.mit.edu/blood-drive/www/.

Grad life grants

The Graduate Students Office is seeking proposals for Graduate Student Life Grants. Grants will be awarded for creative ideas for enhancing the graduate student experience. The deadline for proposals is Oct. 14. More information is available at web.mit.edu/gso/community/grants.html.

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Scholars explore American Constitution

Sarah H. Wright
News Office

MIT faculty research on the roots and future reach of the U.S. Constitution — from a renowned historian's new book on how the Constitution was originally ratified to a media scholar's study of how rights of free expression relate to video games such as *Grand Theft Auto* — bring Constitution Day, Sept. 17, to life on campus.

Two days before, on Sept. 15, Daniel Weitzner, Technology and Society Domain Leader, World Wide Web Consortium, will present a lecture, "The Internet Meets the Constitution," from 2 to 5 p.m. in room 34-304. His talk will be captured so it can be streamed on demand.

Weitzner's talk is one session in a course, "The Law and the Electronic Frontier," taught by Harold Abelson, Class of 1922 Professor of Electrical Engineering and Computer Science.

For those who don't know, Constitution Day honors the date 218 years ago when four months of snappish debate among delegates produced the handwritten four-page document beginning "We, the People," that still defines the powers of the U.S. government, the powers of the states, the rights of the people and how represen-

tatives of the people should be elected.

According to Pauline Maier, William R. Kenan Jr. Professor of American History, the 1787 signing ceremony in Independence Hall, Philadelphia, was a short break in an often bitter battle.

"Most Americans, I suspect, think George Washington was inaugurated a couple of weeks after the constitutional convention adjourned. They have no idea that there was a long, sometimes tense process of ratification that might well have turned out differently," Maier said.

Maier is writing a book on the contentious ratification process, an "immensely complex event, in 13 different states, with different casts of characters in each, and an enormous documentary record."

"When seen through its historical roots, the Constitution becomes much more understandable as a human creation — even a human technology," she said.

MIT faculty in history, political science, media studies and computer science provide students here with innovative ways to study the Constitution and to appreciate it as a robust and resilient "technology."

Charles Stewart III, department head and professor of political science, is the author of "Analyzing Congress." Stewart starts his undergraduate course on the U.S. Congress with a study of the Consti-

tutional Convention.

"Studying the convention requires us to study what the Constitution overthrew, which was the Articles of Confederation. The articles were predicated on a strong sense that the states were sovereign and that national politics was legitimate only when the states volunteered to cooperate. It was a disaster. Studying the Constitution when studying Congress allows me to reflect with my students on how NOT to write a Constitution," he said.

Stephen Ansolabehere, professor of political science, is currently working with James Snyder, professor of political science, on a project on equal representation in the United States.

"Supreme Court Chief Justice Earl Warren described the *Reynolds v. Sims* decision that led to equal representation as the most important of his court — more important than *Brown v. Board of Education*," Ansolabehere said, referring to the landmark 1954 decision that struck down school segregation in Kansas.

Henry Jenkins, director of the Comparative Media Studies program and professor of literature, is at work on a book called "Convergence Culture." Jenkins has testified before the Senate Commerce Committee on issues of free expression and on the role of media in society.

"Convergence" argues that the "various clauses of the First Amendment — the rights to speech, press, assembly, petition and religion — collectively constitute a right to participate in our culture. The outcome of current struggles over media control will determine what the First Amendment means in the 21st century," Jenkins said.

Jenkins has also been involved in contemporary debates over media censorship.

"Computer and video games are most under fire now. Rockstar Games' 'Grand Theft Auto' is an important example of the current debate. On the one hand, many feel it constitutes a threat to the civil order, encouraging violence and racism. On the other hand, many defend 'Grand Theft Auto' as a test case for free expression, as protected by the Constitution," he said.

David Thorburn, professor of literature, teaches courses on modern literature and on television. Students in his advanced seminar, "Joyce and the Legacy of Modernism," read and discuss Judge John Woolsey's 1933 decision to allow publication of James Joyce's controversial 1922 novel, "Ulysses." The book had been banned as obscene.

"We discuss the judge's criteria, exploring how standards of what is acceptable change so radically from era to era," he said.

Cisco CEO's talk focuses on education

Sasha Brown
News Office

Education is more important than ever in today's business world, because the Internet will soon "level the playing field on a global basis," John Chambers, president and CEO of Cisco Systems, told a standing room only crowd in the Stata Center's Kirsch Auditorium on Sept. 8.

MIT President Susan Hockfield introduced Chambers as "one of the outstanding business leaders of his day."

Chambers' talk on "The Power of the Network to Change the Way We Work, Live, Play and Learn" was sponsored by the Office of Corporate Relations and Computer Science and Artificial Intelligence Lab (CSAIL). Cisco employs 100 MIT graduates.

Chambers said he sees a troubling trend: Other countries are beating out America in broadband subscriptions, education and productivity. "It is a battle that is hard to win," he said.

Comparing the business world to "a multidimensional chess game," Chambers spoke of the importance of education, an



PHOTO / DONNA COVENEY

John Chambers, president and CEO of Cisco Systems, addresses a crowd in the Stata Center's Kirsch Auditorium on Thursday, Sept. 8.

arena in which he feels the United States has fallen behind.

"We are not preparing our students in this country," Chambers said. Speaking to a crowd at MIT that "leads in innovation" is great, he said, but he emphasized that

more attention needs to be paid to kindergarten through 12th grade.

Additionally, he worries about gender diversity. Many women are already lost to the computer science field by the time they finish the sixth grade, he said.

In order for the United States to remain globally viable, some changes need to be made, he said.

"We are not putting our best and brightest where the jobs are," he said. "That needs to change."

Memorial service slated for MIT junior

Sarah H. Wright
News Office

An MIT junior whose zeal for academics and zest for outdoor life inspired his family and friends was reported missing Aug. 11 and is presumed dead.

Zachary Weston, 22, was majoring in aeronautics and astronautics. A native of Meriden, Conn., he lived in Simmons Hall at MIT.

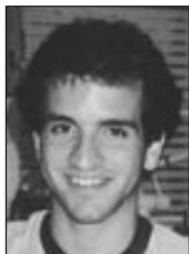
A memorial service will be held Saturday, Sept. 24, in the MIT Chapel starting at noon. Following the service, a reception with family and friends will be held in the Seamans Laboratory in the Department of Aeronautics and Astronautics, Building 33. Weston's friends and acquaintances are invited to attend. People with questions may contact Peter Young at x3-5340 or by e-mail at pwyoung@mit.edu.

Weston, an expert hiker and outdoorsman, was declared missing when he failed to meet a friend at a prearranged spot in Mount Rainier National Park in Washington state on Aug. 11. Weston had been hiking in the area for about seven weeks.

"The Simmons community grieves the loss of Zachary. Our thoughts are with Zachary's family and friends

at this sad time," said his housemaster, John Essigmann, professor of toxicology and chemistry.

Weston was majoring in aerospace engineering and film at MIT and had plans to work in the aerospace industry after graduation, said Cheryl Weston, his mother.



Zachary Weston

The news of Weston's death was shattering to the "tightly knit aero-astro family," as Zachary's fellow students and instructors return to campus, said Wesley Harris, professor and head of the Department of Aeronautics and Astronautics. "We are sharing the grief in our classrooms, our hallways, our offices and our domiciles. Zachary was a strong, vibrant person with an infectious interest and delight in aerospace. His energy and his intellect are sorely missed."

Weston is survived by his mother; his father, Delmer Weston; his sister, Angela; his maternal grandmother, Bridgie Capitanio; his paternal grandfather, Delmer N. Weston; and several aunts, uncles and cousins.

Contributions be made to the Zachary Weston Memorial Scholarship Fund or the Mount Rainier Search and Rescue Fund. Donations to either fund may be sent c/o First Methodist Church, 159 E. Main St., Meriden, CT 06450.

Economist to address ending global poverty

Muhammad Yunus, the Bangladeshi economist who pioneered the microcredit movement, will deliver a talk titled "Ending Global Poverty" on Wednesday, Sept. 14, in Kirsch Auditorium at the Stata Center, from 4:30 to 5:30 p.m.

"Dr. Yunus is one of the world leaders seeking innovative solutions to the challenges poor people face," said Professor Abhijit Banerjee, co-director of the MIT Poverty Action Lab, which is sponsoring the talk. "We are honored and proud to have him visit us."

Located in the MIT Department of Economics, the Poverty Action Lab seeks to translate research into action that helps the lives of the poor in their communities.

MIT President Susan Hockfield will introduce Yunus, the author of the best-selling 1999 book, "Banker to the Poor: Microlending and the Battle Against World Poverty." Yunus currently serves as the ambassador for the Joint United Nations Program on HIV/AIDS (UNAIDS).

Yunus is the founder and managing director of Grameen Bank, which operates in 36,000 rural Bangladeshi villages and has provided unsecured credit to more than 2 million of the country's poorest people. Ninety-four percent of Grameen's clients are women. Their individual loans may be as low as pennies per day. Their rate of repayment is 98 percent.

—Sarah H. Wright

Researchers see clear end to fog

Foggy windows and lenses are a nuisance, and in the case of automobile windows, they can pose a driving hazard. Now, MIT scientists may have found a permanent solution to the problem. The team has developed a unique polymer coating—made of silica nanoparticles—that they say can create surfaces that never fog.

The transparent coating can be applied to eyeglasses, camera lenses, ski goggles ... even bathroom mirrors, they say. The new coating was described Aug. 29 at the national meeting of the American Chemical Society.

Researchers have been developing anti-fog technology for years, but each approach has its drawbacks. Some stores carry special anti-fog sprays that help reduce fogging on the inside of car windows, but the sprays must be constantly reapplied to remain effective. Glass containing titanium dioxide also shows promise for reduced fogging, but the method only works in the presence of ultraviolet (UV) light, researchers say.

"Our coatings have the potential to provide the first permanent solution to the fogging problem," says co-study leader Michael Rubner, the TDK Professor of Materials Science and Engineering. "They remain stable over long periods, don't require light to be activated and can be applied to virtually any surface." Coated glass appears clearer and allows more light to pass through than untreated glass while maintaining the same smooth texture, said Rubner, who collaborated on the work with Robert Cohen, the Raymond A. and Helen E. St Laurent Professor of Chemical Engineering.

The coatings consist of alternating layers of silica nanoparticles, which are basically tiny particles of glass, and a polymer called polyallylamine hydrochloride, both of which are relatively cheap to manufacture, Rubner says. He has applied for a patent on the manufacturing process and says that the coating could be available in consumer products in two to five years. The military and at least two major car manufacturers have already expressed interest in using the technology, he says.



IMAGE COURTESY / MICHAEL RUBNER, COHEN LABS, MIT

This picture shows two glass slides on top of a photo of a lotus flower. Both slides were placed in a freezer then brought out into humid air before being positioned over the photo. The slide on the left is coated with MIT's anti-fogging coating, the other is not.

When fogging occurs, thousands of tiny water droplets condense on glass and other surfaces. The droplets scatter light in random patterns, causing the surfaces to become translucent or foggy. This often occurs when a cold surface suddenly comes into contact with warm, moist air.

The new coating prevents this process from occurring, primarily through its super-hydrophilic, or water-loving, nature, Rubner says. The nanoparticles in the coating strongly attract the water droplets and force them to form much smaller contact angles with the surface. As a result, the droplets flatten and merge into a uniform, transparent sheet rather than forming countless individual light-scattering spheres. "The coating basically causes

water that hits the surfaces to develop a sustained sheeting effect, and that prevents fogging," says Rubner, who is director of MIT's Center for Materials Science and Engineering.

The same coatings also can be engineered to have superior anti-reflective properties that reduce glare and maximize the amount of light passing through, an effect that shows promise for improving materials used in greenhouses and solar cell panels. So far, the coating is more durable on glass than plastic surfaces, but Rubner and colleagues are currently working on processes to optimize the effectiveness of the coating for all surfaces.

This work was funded by the Defense Advanced Research Projects Agency and the National Science Foundation.

Innovation is a hallmark of the Institute

Sasha Brown
News Office

Newcomers, be aware: This is not your average university.

Throughout the years, ever-resourceful MIT students have blessed even ordinary college activities like ordering a pizza, watching TV or doing laundry with a touch that is uniquely MIT.

East Campus alone is home to the emergency pizza button, a computer-controlled disco floor and several other "only-at-MIT" projects.

"I've managed to distract myself from the more important things in life with projects as far back as I can remember," said graduate student and East Campus resident Adam Kraft. Kraft worked with graduate students Dave Nelson and Quinn Mahoney to design and build the emergency pizza button for East Campus.

The button itself looks like a slice of pepperoni pizza. Press it, and a pizza is delivered to East Campus within the hour. Though not designed for the picky, the "emergency" button is used frequently by hungry late-night studiers who want a fast pizza, said Kraft, who also collaborated with Nelson, graduate student Ryan "Breath" Williams and junior Cameron Lewis on a motorized couch.

The white couch looks like an ordinary piece of furniture, but a motor hidden in its back allows the couch to travel around. Moving at speeds that rival a riding lawnmower, the couch can seat up to three people comfortably and is steered by a metal stick on wheels separate from the couch itself.

"Giving a stranger a ride around campus on a motorized couch isn't such a bad way to break the ice," said Kraft with a laugh. "I think the campus police had a good laugh when they spotted us driving the sofa around. I was relieved they did not ask to see my license and registration."

Last year, seniors Grant Elliott and Schuyler Senft-Grupp, junior Scott Torborg and sophomore Mike Anderson collaborated to turn the floor of East Campus' common room into a light-up, computer-controlled disco floor that makes the "Saturday Night Fever" dance floor look like an amateur production.

With touch-sensor capability, the floor can also act as a giant playing board for games like Dance Dance Revolution (an interactive video game in which lighted floor tiles indicate dance moves to the players), Twister and Tetris.

"The floor can pretty much do anything we want," said Elliott.

In Random Hall, former resident Jim Paris (S.B. 2004) rebuilt an Internet system designed for the Random Hall laundry and bathrooms after the original server built in the mid-1990s crashed.

Designed as a time saver, Paris' system includes a Web site that informs students whether there is an available washer before they carry their laundry down four flights of stairs.

The one in the bathroom works in much the same way, informing students when stalls are available to eliminate the need for useless trips.

"I don't think it's been touched at all in the past four years," said Paris. "It's still used all the time by the dorm, but it does its job well so there hasn't been much incentive to change it."

CHANG

Continued from Page 1

a dozen homes at the Commune by the Great Wall, Split House is a single volume cut in two with a courtyard in between the halves. An urban prototype structure transplanted to the countryside, it hugs the landscape but stands apart, like Frank Lloyd Wright's Fallingwater. The internal spaces — loft-like rooms and high glass walls — reflect European influences, while the primary building material is rammed earth, an ancient cousin of adobe, in which soil with a high clay content is literally pounded and compacted into hard, durable blocks, like concrete.

By using local material available on site — excavated "rammed" soil from other construction sites — the construction minimizes the environmental impact and also pays respect to the grandeur of the surrounding landscape.

As for using rammed earth — or any sustainable building practices — in the surge of Chinese construction, Chang cautioned, "China has not yet found its own approach to pursue sustainability in practice. Some of the more typical measures, as seen in Europe, would drive up construction costs prohibitively."

Chang, a native of Beijing, attended the Nanjing Institute of Technology (now Southeastern University) from 1978 to 1981. He received the B.S. in environmental design from Ball State University in Muncie, Ind., and the M.Arch. from the University of California at Berkeley.

He has taught at the University of Michigan, Berkeley, Harvard, Rice and Tongji University in Shanghai; in 2002 he held the Kenzo Tange Chair at Harvard, and in 2004 the Eliel Saarinen Chair at Michigan.

Chang will continue to maintain his practice in Beijing while teaching at MIT.



Chang

HURRICANE

Continued from Page 1

ing, said Susnowitz. "All this goodwill comes out in times like this," she said.

President Susan Hockfield galvanized the MIT community with a letter she sent to everyone on Sept. 2. "It is clear that the assistance and expertise of everyone will be needed to help our fellow citizens to recover from this disaster," she wrote. "The vast majority of those in need are in Louisiana, Mississippi and Alabama, but some are in our own community — MIT students and alumni from those areas, and our faculty and staff with loved ones there."

The Admissions Office worked quickly last week to admit the 15 undergraduates to MIT and get them to MIT by Sept. 12. For the fall term, MIT has waived tuition and fees for visiting students displaced by the hurricane and is providing free housing in available rooms in fraternities, sororities and independent living groups.

The office of Student Financial Services (SFS) is granting interest-free financing or financial aid, as appropriate, to students affected by Hurricane Katrina.

Immediately following the hurricane on Aug. 29, Julie Norman, associate dean of academic resources and programming,

contacted each of the 11 freshmen who come from the Gulf Coast region.

"None were directly impacted," said Norman, although their families had experienced power outages and bands of rain and wind, she said.

MIT has a total of 79 students from Louisiana, Mississippi and Alabama. All told, Norman's office contacted 44 students — both graduate and undergraduate — from the affected region. None of the three MIT students from New Orleans was directly affected by the hurricane, said Norman.

The Alumni Association is using the web to help alumni contribute funds as well as personal thoughts. More than 75 alumni from various decades have posted their ideas on a special message board created after the hurricane.

Interested alumni can donate to hurricane relief through the alumni web site. The September issue of the alumni newsletter will also offer information for alumni wishing to donate funds.

MIT's home page team launched a web site on Sept. 2 to provide a central location for resources, information and news about MIT's response to Hurricane Katrina. For more information, visit web.mit.edu/katrina/.

MIT security seminar celebrates 20th anniversary

Sarah H. Wright
News Office

An MIT program based in Washington, D.C., that once hosted Secretary of State Condoleezza Rice as a lecturer on Russia and whose overall aim is to enhance critical thinking about politics, economics and foreign policy among rising military and policy community leaders, celebrated its 20th anniversary at a gala in the capital on Monday, Sept. 12.

Seminar XXI was founded in 1986 by Suzanne Berger, the Raphael Dorman-

Helen Starbuck Professor of Political Science.

About 1,200 military officers, government and NGO officials and executives have completed the seminar, including Gen. George W. Casey Jr., commanding general of the multinational forces in Iraq; Claudia Kennedy, the U.S. Army's first female lieutenant general; and Coast Guard Rear Adm. Joel R. Whitehead, a leader in cleanup efforts following Hurricane Katrina.

Seminar XXI fellows receive a very MIT message about international relations: There is more than one way of thinking

about the same facts.

The program explores key policy issues related to areas and problems affecting American interests in the world.

Fellows meet at monthly seminars in Washington that feature leading academics and national policymakers.

Seminar XXI faculty from MIT include political science Professors Barry Posen, Richard Samuels and Stephen Van Evera, who is also faculty director of the Center for International Studies, and political science Associate Professors Kenneth Oye, Edward Steinfeld, Chappel Lawson and Roger Petersen.

Hockfield welcomes 'fellow freshmen'

Sarah H. Wright
News Office

MIT President Susan Hockfield welcomed the Class of 2009 by identifying herself as a newcomer to the "great adventure" of a first full academic year at the Institute.

Hockfield, who began serving as MIT's 16th president in December, was greeted with warm applause by members of the freshman class, their families and friends in the annual Freshman Convocation, held in Rockwell Cage on Monday, Aug. 29.

Like a scout sending back news of new worlds, Hockfield described the culture she encountered in her initial six months in office and exhorted her "fellow freshmen" to participate in the vital community she found.

"First, this is a place of incredible energy. There is a creative passion, an intensity, and an intellectual playfulness that trigger everything here—the ideas and the innovations in the classroom and in the laboratory.

"Second, MIT is a place of striking prat-

icality. We are all united by a passionate curiosity to understand the world and to make it a better place," she said.

Third, MIT is a community that "embraces and learns from differences," Hockfield noted, even as it unites in values of discipline, innovation and responsibility for leadership in solving urgent global problems.

"You come from 45 American states and 62 different countries, from cities, farms and small towns. You are athletes and musicians and entrepreneurs. You bring the world to MIT," she said.

"Finally, MIT is a great meritocracy. It doesn't matter where you came from, what you look like, who your parents are, or how much money you have. What matters is only how you do the work," Hockfield said.

Hockfield portrayed the culture of work at MIT as one that balances personal competitiveness with interpersonal and interdisciplinary collaboration.

"MIT is about raising the bar. You will raise the bar for yourselves, and you will raise the bar for one another. Success here is measured not only by what you achieve

on your own, but also by how many people you bring along with you. Collaboration is an important part of MIT culture," she said.

Hockfield's scouting report on the landscape ahead also focused on MIT's "distinctive mission of service to the nation and to the world."

She cited examples of MIT "serving society and inventing the future" — such as the development by MIT scientists of radar, synthetic penicillin, strobe photography, the World Wide Web, Bose speakers, the science and engineering for new cancer therapies, and the "hologram on your credit cards" — highlighting the Institute's commitment to innovation, practicality and service to humanity.

"Your turn is next. The world looks to you to lead in designing solutions to our pressing challenges — sustainable energy, contagious diseases and urban sprawl. Our mission is to teach you to make the world that will be and to be leaders of that world," she declared.

Hockfield added one caveat to her comments on the adventure of the coming year, placing this remarkable group's high

school achievements — 90 percent were in the top 5 percent of their class — into a new perspective.

"This is not high school '2.0,' no matter how demanding your high school was. MIT is a uniquely intense environment. That intensity is driven by the passion of the people who work and study here.

"Our history demonstrates again and again that when our nation or the world confronts a major challenge, they look to MIT to solve it. Now you become a part of that glorious MIT history," she said.

Chancellor Phillip L. Clay, professor of urban planning, and Dean of Science Robert Silbey, Class of 1942 Professor of Chemistry, greeted the crowd in Rockwell with two views of MIT life.

Clay portrayed the personal and educational journey ahead for the Class of 2009 and their families, and Silbey provided an overview of recent work on the Educational Commons, including a summary of General Institute Requirements.

Silbey encouraged the freshmen to take advantage of Boston's cultural and sports offerings. "Life at MIT is not all studying," he said.

Class of 2009 by the numbers

998

Students in the incoming freshman class

216

Freshmen ranked number one in their high school class

53%

Participated in a varsity sport in high school

93%

Performed community service

CIRCUS

Continued from Page 1

pretty little," said his mother, Deborah Stein Sharpe (S.B. 1976).

Jim Sharpe, Nate's father, taught himself to juggle in college and shared new skills that he was learning with his sons, both of whom have taken juggling to new levels, bringing in new materials and tricks. "They love it," their mother said.

The Stein Sharpe family learned about Circus Smirkus a few years ago and both Nate and his brother, Jacob, attended the annual summer camp, honing their skills alongside other young acrobats, jugglers and performers.

This past summer, Stein Sharpe auditioned for the touring group with his brother, who toured the summer before. "It has been a lot of fun," said Stein Sharpe, who stayed with families in cities and towns throughout New England, performing in 80 shows over eight weeks.

The traveling circus ended just in time for him to pack his bags and head to MIT.

Stein Sharpe said it was his passion for math, science and engineering that brought him here. "I will always have juggling as a hobby," said Stein Sharpe, who plans to join the MIT Juggling Club. "I would not want that for my career."

In addition to doing schoolwork and performing, Stein Sharpe will also be running with MIT's cross-country team.

"It does help with juggling to be physically in shape," he said.

Between a full course load, running and juggling, Stein Sharpe will have a few balls in the air. But for an 18-year-old who regularly juggles fire, balancing activities is simple. "It's a lot, but I can do it," he said.



PHOTO / DONNA COVENEY

Welcome from the faculty

MIT Professor Angela M. Belcher delivers the faculty keynote address to new students on Tuesday, Aug. 30, in Kresge Auditorium. Belcher is a professor of biological engineering and materials science and engineering.

First impressions

News Office photographer Donna Coveney and reporter Sasha Brown met up with some freshman during orientation. Here's what the students had to say:



Seema Kacker is really immersing herself in MIT. 'I tried spaghetti wrestling' on East Campus, said Kacker, who is from Washington, D.C. 'I had to take two showers afterward.'

Lihua Bai of Houston says she's enjoying the Boston area, particularly hearing live music on the streets. 'We don't have a lot of places like that back home.'



Donald 'Kip' Landergrén of Gloucester plans to major in aeronautics and astronautics. 'We will be going to space more in the very near future,' he said.

Orientation video highlights diversity

Cynthia Stanton
News Office correspondent

The dramatic centerpiece of a three-hour diversity event held for freshman orientation on Aug. 31 was a 35-minute video produced by four MIT students over the summer.

The video, "Behind Closed Doors," was a perfect illustration of the MIT spirit: When Dexter Ang (S.B. 2005), senior Yonatan Tekleab and juniors Yamicia Connor and Bryan Owens saw the commercial video that had been slated to spark discussion at orientation, they felt it did not reflect the MIT culture and community, and they knew they could do a better job.

So they did.

Never mind that these student producers had never made a video, hadn't planned to make a video and already had full-time summer jobs and commitments. With the wary blessing of staff members Elizabeth Young and Tobie Wiener, the group forged ahead.

In true MIT fashion, the students set about learning by doing, overcoming the

lack of time, planning, experience and equipment with hard work, simply because they wanted to give the newest students as full a consideration of diversity as they could provide.

More than half of the freshmen class watched "Behind Closed Doors" and participated in the follow-up small group discussions. More than 100 volunteers, including student orientation leaders, faculty and staff facilitators, worked on the event, which garnered positive reviews.

For Young, who organizes the full freshman orientation program, the students' video carried an important message about what nourishes individual success and a healthy community. "Behind Closed Doors" encouraged students, "You will succeed if you have respect for each other."

Weiner said, "I think for me the most important thing about the diversity event was the opportunity for all freshmen on campus to view MIT through the lens of a student who may be different from themselves."

"Behind Closed Doors" provided a portrait of how differences can play out in campus life and in private. In the video, 13

students in the video speak directly from their own experiences at MIT and reflect on the broader context of what change might be possible at MIT.

And the students themselves were changed by the project they undertook, gaining confidence and new insights about diversity, they said.

Owens edited most of the rough footage into the final video. "There was one day when I was up until 2 a.m. And I thought, 'Am I ever going to finish this? Is this going to work?' But when I saw the rough cut, I was really impressed."

Ang had never considered gender issues, he said. Working on "Behind Closed Doors" opened a door in his awareness. Now he knows that women and other minorities might question themselves, asking, "Do I really belong here at MIT?"

Tekleab and Connor, after working with lesbian, gay, bisexual and transgender students in the video, developed new understanding, too. "I've never heard the issues put more eloquently," Tekleab said.

The student producers said that support from the MIT administration made all their hard work possible.

Summer 2005 in review

Clean air means better health

MIT researchers are using a novel technique to calculate the economic gains that come from having a healthier population with less pollution-induced sickness and death. (Sept. 9)

Stem cell discovery

Researchers have discovered the process responsible for stem cells' ability to become just about any type of cell in the body, a trait known as pluripotency. (Sept. 8)

Former Humanities chair dies

Richard M. Douglas, former chair of the Humanities Department and professor emeritus of history, died Aug. 29 at the age of 83. (Sept. 2)

Chimp genome

The first comprehensive comparison of the genetic blueprints of humans and chimpanzees shows our closest living relatives share 96 percent of our DNA sequence. (Aug. 31)

MIT treasurer to retire

MIT Treasurer Allan Bufferd announces that he will retire by the end of the academic year after more than 33 years of service to the Institute. (Aug. 30)

Alzheimer's test

MIT scientists develop a new dye that could offer noninvasive early diagnosis of Alzheimer's disease. (Aug. 25)

Program bridges Mideast divide

Middle East Education Through Technology (MEET), founded by MIT students, brings young people from Israel and Palestine together in Jerusalem to teach them computer science, entrepreneurship and leadership skills. (Aug. 16)

Music to your ears

Two grad students design an online survey to measure just how different—or similar—perceptions of music are across cultures. (Aug. 15)

Detective work pays off

MIT police Detective Kimberly Utley-Rivers helps Boston Police capture a suspected felon who escaped from a Roxbury courthouse in August. (Aug. 12)

New clue to bone and fat production

MIT researchers identify a gene that helps control the balance between bone and fat in the human body, a discovery that could pave the way for the prevention of childhood obesity and the treatment of osteoporosis. (Aug. 11)

Sun shines on solar car

The MIT Solar Electric Vehicle Team's car finishes third in the North American Solar Challenge, a 2,500-mile race from Austin, Texas to Alberta, Calgary. (Aug. 5)

Alumna blasts off

Wendy Lawrence, NASA mission specialist, spends 13 days aboard the Space



PHOTO / DAN BERSAK

The MIT Police Department honor guard carries the colors on the field before the Red Sox game at Fenway Park on Tuesday, Aug. 30. Clockwise from center are Lt. Daniel Costa and Patrol Officers David Sacco, William Smith, Kevin O'Connor, Brian Sousa and Robert Molina. (Sept. 1)

Read these and other stories in full on the News Office web site, web.mit.edu/newsoffice/recent.html.

Shuttle Discovery as it delivers supplies to the International Space Station. (Aug. 4)

New way to grow bone

Biomedical engineers demonstrate for the first time that it is possible to grow healthy new bone reliably in one part of the body and use it to repair damaged bone at a different location. (Aug. 2)

Curry leaves MIT

After seven years at MIT, Executive Vice President John Curry announces he will leave in early September to join the Huron Consulting Group, a national financial and operations consulting firm. (Aug. 2)

Global warming worsens hurricanes

MIT Professor Kerry Emanuel says hurricanes have grown significantly more powerful and destructive over the last three decades due in part to global warming, a trend he says could continue. (July 31)

Better climate predictions

Researchers from MIT and other institutions successfully test an innovative software system that promises to improve predictive capability in short-term weather forecasts and century-long climate-change projections. (July 28)

Summer in the city

MIT celebrates the 30th anniversary of the Minority Introduction to Engineering, Entrepreneurship and Science Program,

or MITE2S, a rigorous summer enrichment program for high school juniors. (July 27)

Anti-cancer smart bomb

MIT researchers design a nanoparticle that can burrow into a tumor, seal the exits and detonate a lethal dose of anti-cancer toxins, all while leaving healthy cells unscathed. (July 27)

Mars in deep freeze

MIT researchers report that several rocks originally located near the surface of Mars have been freezing cold for 4 billion years, meaning that Mars has probably never had an environment hospitable to the evolution of life. (July 21)

Vision insights

Three studies by researchers at the Picower Center for Learning and Memory explore how neuron clusters communicate visual information (July 20), how the brain recognizes objects (Aug. 22), and how the brain processes information from several objects at once (Sept. 9).

Retired engineering professor dies

Nathan H. Cook, 80, an MIT professor emeritus of mechanical engineering, former MacGregor housemaster and World War II veteran, died on July 13 after a long battle with cancer. (July 19)

Girls get tech edge

Forty high school girls spend a month at MIT taking intense classes in math, computer science and electrical engineering, taught by MIT students. (July 15)

Celebrating Einstein

MIT's Haystack Observatory celebrates the World Year of Physics with a lecture on "The Fourth Test of Einstein's Theory of General Relativity." (July 14)

Dig it! Campus under construction

Ruth T. Davis
Department of Facilities

Anyone who spent a lot of time out of town this summer will notice some changes around campus.

Construction has begun in and around Building 6 as a major expansion and renovation of the Main Group gets under way. The project, dubbed PDSI for its major components — physics, DMSE (Department of Materials Science and Engineering), spectroscopy and infrastructure — calls for the construction of a new "infill" building in the Building 6 courtyard, so access to Building 6 is now closed.

The north end of Building 6 is a construction site on all floors, so only those MIT community members who have authorization from an MIT Facilities PDSI Project Manager are allowed to enter. However, Building 8 will remain open, allowing through access on the Infinite Corridor.

Signs have been erected in the hallways to help people navigate their way around the construction. For more information on PDSI, visit web.mit.edu/facilities/construction/pdsi/index.html.

The Eastman Courtyard just outside Building 8 has been temporarily transformed to aid in construction, providing a space for the crane that will be used to erect steel on the new PDSI building. To protect the ground, contractors laid a carpet-like fabric over the grass, which they then covered with stones and sand before putting down the asphalt. This will allow the pavement to be easily removed and the grass replaced.

Other recent projects include the renovation of the former Building 4 Cafe, now Cafe 4, and a change to the restroom at the intersection of Buildings 8 and 6, which was formerly for men and is now for women.

The reconstruction of Massachusetts Avenue is on schedule and work in the street near MIT should be finished in October. Weather permitting, Mass. Highway's contractor will replace the sidewalks on both sides of the avenue before winter.

The brain and cognitive sciences project is nearly complete and the occupants of the new complex will begin moving in this month. Official dedications are scheduled for later this fall.



PHOTO / DONNA COVENEY

It's out with the old to make way for the new as construction workers labor away on the PDSI project Monday.

CLASSIFIED ADS

Members of the MIT community may submit one classified ad each issue. Ads can be resubmitted, but not two weeks in a row. Ads should be 30 words maximum; they will be edited. Submit by e-mail to ttads@mit.edu or mail to Classifieds, Rm 11-400. Deadline is noon Wednesday the week before publication.

FOR SALE

Maytag Neptune front load washer & dryer, 3.5 years old. Great condition. \$725. Boston Interior 5-ft round maple table & 4 chairs, like new, \$750. John Benkert, Lincoln Lab. 781-981-1200 or benkert@ll.mit.edu.

Sigma 50mm F2.8 macro lens w/Nikon mount in original packaging \$50; Tamron 24-70mm F3.3-5.6 wide angle zoom lens w/Nikon mount and Hoya62mm 81A warming filter \$75. Jacqui at 253-2127 or jtaylor@mit.edu.

Estate sale: pool table, foosball table, dining room set, upright freezer, Xmas tree/ w lights/ decoration, fireplace screen and tools, piano and much more all priced to sell. Amy at 253-2495.

GE microwave w/turntable, model JE740WY00, serial no. LV900921B, \$50/bst. GE Fridge w/ freezer, 34.5-ft x 19-ft x 19-ft, model TAX45NYBWH, serial no. AS088648, \$100/bst. corkin@mit or 253-5762

Bureau w/mirror, chest of drawers, twin bed, desk, all mahogany, \$125 each or bst; two end tables, \$50 each or bst. All in gd condition. 253-7451 or 617-846-1656.

Japanese style table lamp, light wood, \$10; Holmes electric double fan for window installation, \$20; large yellow metal duck crossing sign for hanging, \$15. Contact cavril@mit.edu or 253-9411.

Beautiful beige sofa, width 88-in, depth 39-in, height 26-in, for sale immediately, perfect condition, best offer accepted. Masayuki Yokoyama at 617-877-9762 or masay@mit.edu.

Free sofa - well used queen sleeper sofa with 2 covers available free. Pickup in Natick. Contact Chelle Riendeau, riendeau@wi.mit.edu or Amy Weiner, weiner@wi.mit.edu.

VEHICLES

Audi A4 Quattro, 2.8, 4 WD, 4-door sedan, 42K, 1999, excellent condition. Driver/passenger airbag, premium CD player-changer, sunroof/moonroof. Asking \$13,500. Dimitris at 781-405-3246.

1997 Ford Taurus wagon, 111K, \$2,000 firm. Jon at 253-3227. Can be seen on campus.

1998 Black Ford Windstar minivan GL 114K, \$3100,

3.8 V6 engine, autoTR, cruise control, ABS, airbags, AC, luggage rack, power windows/locks/mirrors, rear wiper, AM/FM radio cassette. 617-233-3876.

1998 Honda Civic DX, 4-door, color silver-gray. 16K, 4-speed auto, security system, very clean. \$6,000/bst. 781-729-4365 or fdg@mit.edu.

HOUSING

Inman Square house: furnished room, linens, all utilities, wireless LAN, kitchen/laundry privileges. Quiet, safe, modern. Non-smokers, for allergy sensitive. 28+. Long-term preferred. Short-term (3-6 months). Fee on request. 617-625-9839 or sokolovska@mac.com.

Cambridge apartment for rent: 4 large rooms, one small room, 2 baths, kitchen in owner-occupied duplex on Dana Street. Roughly equidistant from Harvard, Central and Inman Sq. Avail. Sept 1. \$2400/mo. Call John 617-354-5937 or 617-275-9429 (cell).

Now renting, for fall and winter season. "Hilltop Cabins," Northeast Kingdom VT, for the week, weekend or month. Joe at 781-893-5224, days 9 a.m. to 12:30 a.m.

Near Ft. Hill area, 3BR, 1st flr apt. in owner-occupied 3-family house. Hrdwd flrs. Short walk from

two subway stops on Orange Line. \$1350, plus utilities. Avail 10/15. 617-445-1154.

East Cambridge condo for sale: modern 2BR, 1.5 bath unit w/ private patio. Short walk to MIT. Corian counters, parquet floors, c/a, w/d, d/d, off-street parking. \$389,000. Call 617-621-0456.

WANTED

Sloan grad student seeks student(s) to build smaller-than-laptop pc to meet personal requirements (input welcome); hope to complete in October. Must have experience. Possible 50k entry. kkw@mit.edu.

Indoor parking/storage for car for winter months. Car will not be used so location flexible. Contact Sue at 253-0423 or 781-674-2230 or shansky@ilp.mit.edu.

LOST & FOUND

Found: Gold charm in shape of a child's face. Inscribed with the name, Maro, and birthdate. Contact 252-2790 or dluchan@mit.edu to claim.

MIT staffer makes time for creativity

First of an occasional series featuring MIT staff members who are practicing artists.

Lynn Heinemann
Office of the Arts

Janni Moselsky-Hansen is a busy woman. In addition to her job as administrative assistant in the Department of Architecture, she creates beaded jewelry, enjoys dancing and singing, hosts MIT students at her Cape Cod home, sketches scenes on the Cape for a line of greeting cards, and still finds time for her husband and two spoiled cats.

ARTISTS AT WORK

The fruit of many of her creative endeavors can be seen this Sunday, Sept. 18, when Moselsky-Hansen will be participating in ArtsCentral 2005, an event being held in Central Square, Cambridge.

That's where she will be selling her greeting cards and handmade beaded "healing" jewelry. Moselsky-Hansen's beaded jewelry incorporates mystical and healing elements found in numerology

and Native American culture with semi-precious gems, beads, glass, sea-glass and recycled items. She will also hold a small stringing workshop, demonstrating how to create such bracelets and necklaces.

What Moselsky-Hansen doesn't do is watch much television or get much sleep. She dismisses television as a "hypnotically humming waste of time" and claims that a mere five hours of sleep per night is her average.

So how does she fit it all in? It helps, she says, that much of her life centers around MIT, where she is also a writer, a committee member for Artists Behind the Desk, and a member of MIT Community Players.

Moselsky-Hansen can often be found at the Institute until 11 p.m. During working hours, she carefully oversees the budget for studio and related expenses in the design group in architecture. Then it's off to meet her writing buddies in the Stata Center or to rehearse with the MIT Community Players.

And she can be in two places at once — almost. Tuesday through Friday, she lives in Cambridge, and Saturday through Monday she lives on Cape Cod with her husband and cats. Her bus commute allows for at least two hours of writing on her iBook.

Her favorite gatherings are big dinner



PHOTO / JEFFREY HANSEN

Janni Moselsky-Hansen, artist and administrative assistant in the architecture department, relaxes near her Hyannisport home.

parties at the house on the Cape. And while Moselsky-Hansen says she loves to cook, she leaves the kitchen artistry to her

husband and to the students and guests who wish to take over.

"I love the students' energy," she says, flipping her red braid over her shoulder. "MIT students are the driving force that makes this a place where there is enthusiasm for learning and discovery."

No doubt being able to share her home with students stuck at school over the holidays appeals to Moselsky-Hansen, who lived in nine different foster homes from the age of 5 through 21.

A sad tale, yet the resourceful artist has been turning those years into art through her writing. She has kept journals since the age of 10, and her memoir, "Dear Jay... Siblings Separated in Foster Care," is nearing completion.

For now, she says, MIT offers all the comfort of home — and more. "This is a great community to be working and living in. I believe I'll live longer and healthier if I just keep creating and looking for new things to do!"

Moselsky-Hansen's ArtsCentral table will be located on Temple Street in Central Square in Cambridge on Sunday, Sept. 18, from noon to 6 p.m. For more information, visit www.centalsquarecambridge.com/artscentral/.



PHOTO / N. BABIC

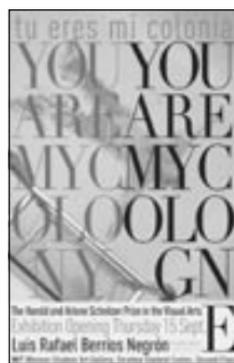
Balkan brothers

The Teofilovic Brothers, fraternal twins whose compositions encompass two centuries of Balkan musical heritage, are among 100 dancers, singers and musicians who will perform at "A Celebration of Serbian Music and Dance" on Saturday, Sept. 17, at 3 p.m. in Kresge Auditorium.

Sponsored by the MIT Organization of Serbian Students and the Serbian-American Alliance of New England, all proceeds will benefit the Our Children Fund to aid war orphans in the Balkans. Suggested donation is \$20, \$15 with student ID.

Reception set for winner of Schnitzer Prize

Video and photography by architecture graduate student Luis Berrios-Negrón won first prize in the 2005 Schnitzer Prize in the Visual Arts, and an exhibition of these works, collectively titled "eres mi colonia" (You are my colony), will open with a reception on Thursday, Sept.



15, from 5 to 7 p.m. at the Wiesner Student Art Gallery on the second floor of the Stratton Student Center.

"Eres mi colonia" will be on view through Oct. 28. The Wiesner Gallery is open 24 hours a day.

Lecture explores 'Girlieland'

Composer and musician Jewlia Eisenberg will present the 2005 Katzenstein Lecture, "Sounds Like Home: Voice, Text and Diaspora Consciousness in Nerdy-Sexy-Commie-Girlieland," on Thursday, Sept. 15, at 7 p.m. in Room 6-120.

As a visiting artist, Eisenberg also will attend classes and labs and meet with faculty, staff and students at MIT from Sept. 13 to 16.

Eisenberg has received critical acclaim for her CDs "Trilectic" and "The Grim Arithmetic of Water." She will discuss her own work and the musical life of the 8-year-old vocal trio, Charming Hostess, which includes Marika Hughes, Cynthia Taylor and Eisenberg.

Charming Hostess has received recognition for its CDs "Sarajevo Blues," "Punch," "Thick" and "Eat."

Eisenberg describes Hostess' music as an "aural world where Jewish and African diasporas collide, incorporating doo-wop, Pygmy counterpoint, Balkan harmony and Andalusian melody."

In a more grrrrl mood, she has also called the Hostess genre, "nerdy-sexy-commie-girlie."

Charming Hostess will perform a free concert on Friday, Sept. 16, at 8 p.m. in Room 54-100.

The performance will feature works from the group's new CD, "Sarajevo Blues" (Tzadik), which draws on Bosnian poetry of love and resistance and celebrating the power of the human spirit.

A New York native, Eisenberg grew up in a black and Jewish commune in Brooklyn among labor and community organizers. As a young girl, she was a part of a "musical culture" in which she was expected to "lead songs on picket lines, demonstrations, meetings, to teach and preach... A lot of my preoccupation with diaspora consciousness and multiple voices in dialogue comes from my oddball childhood," she said.

She studied music at the University of California at Berkeley and has traveled abroad to study the music of Romania, Bulgaria, Poland, Israel and Egypt.

The concert is presented by the MIT Office of the Arts and the Graduate Consortium in Women's Studies.

The talk and concert are both free and open to the public; no tickets or reservations are necessary. For more information, call x3-2341.



Eisenberg

ARTS NEWS

Jazz celebration slated

Lecturer Mark Harvey and his Aardvark Jazz Orchestra open their 33rd season with a new series, "Celebrating Jazz at Emmanuel: 40 Years of Jazz at Emmanuel Church & 40 Years of the Duke Ellington Sacred Concerts," on Sunday, Sept. 18, at 7:30 p.m. at Emmanuel Church, 15 Newbury St., Boston. Tickets are \$15 at the door.

The Aardvark program will include selections from Ellington's "Concert of Sacred Music," first performed in September 1965, and original works by Harvey. The jazz orchestra will also perform Harvey's tone-parallel to Walt Whitman's poem, "The Mystic Trumpeter," and premiere "Democratic Vistas," inspired by a Whitman essay of the same name, in honor of the 150th anniversary of Whitman's classic "Leaves of Grass."

Harvey will lecture on "Jazz as Celebration and Challenge" at Emmanuel Church on Thursday, Sept. 15, at 7:30 p.m. (free admission). His talk will explore the pioneering efforts of the Rev. Al Kershaw and Duke Ellington to establish rapport between jazz and religion and examine the relation of jazz to the civil rights movement.

Professor on PBS

Krzysztof Wodiczko, professor of visual arts in the Department of Architecture, is one of the featured artists in the first episode of the series, "Art in the Twenty-First Century" premiering this week on PBS.

The segment, titled "Power," presents works of artists who renarrate personal and cultural histories, reimagine social space and challenge oppression and social control. In Boston, the show airs on Friday, Sept. 16, at 10 p.m. on WGBH 2 and on Saturday, Sept. 17, at 5 a.m. on WGBX 44.

Seeking art news

Have you recently received an honor for your artistic accomplishments? Are you starring in an off-campus play, giving a concert or undertaking an unusual art project? Whether you're a faculty member, staff member or MIT student, the Office of the Arts wants to know. Arts-related news may appear on this page or in Tech Talk's "Awards and Honors" column. E-mail ideas to Mary Haller at haller@media.mit.edu.

MIT EVENT HIGHLIGHTS SEPTEMBER 14 - 18

Science/Technology	Performance	Architecture/Planning	Humanities
Music	Exhibit	Reading	Special Interest
Business/Money	Film	Sports	Featured Event



PHOTO COURTESY / CARRY THE ONE

A little night music

Musical MIT staffers come out from behind their desks Sept. 16 as part of the "Artists Behind the Desk" summer concert series. Patty Keough and Carry the One (above) will perform at the Stata Center Amphitheatre at 5 p.m.

WEDNESDAY
September 14

"The Past, Present and Future of Military Occupations"
Talk by David Edelstein of Georgetown University. Noon. Room E38-615. 253-7529.

"Ending Global Poverty"
Talk by Grameen Bank Founder Muhammad Yunus. Reception to follow talk. 4:30-6 p.m. Room 32-123. 253-4075.

Israeli Dancing (participatory)
8-11 p.m. Lobby 13. 484-3267.

THURSDAY
September 15

"Eres mi colonia" ("You are my colony")
Opening reception for the video and photography exhibit by graduate student Luis Berrios-Negrón. 5-7 p.m. Wiesner Student Art Gallery. 253-7019.

Varsity Women's Volleyball vs. Lesley College
5 p.m. Rockwell Cage. 258-5265.

"Sounds Like Home"
"Voice, Text, and Diaspora Consciousness in Nerdy-Sexy-Commie-Girlieland, A Conversation with Composer/Musician Jewlia Eisenberg." Room 6-120. 7 p.m. 253-2341.

"Sweeney Todd"
Sponsored by the Musical Theatre Guild. \$10, \$6 students, \$3 new students. Sept. 15-17. 8 p.m. Kresge Little Theater. 253-6294.

FRIDAY
September 16

"Rock Paper Scissors"
Projects by J. Meejin Yoon, assistant professor, architecture. Room 7-338. 9 a.m.-5 p.m. 253-2825.

"Sonification / Listening Up"
Closing event for large scale sound installation by Carrie Bogle in collaboration with MIT Haystack Observatory. 5-7 p.m. South facade of Building 54.

Artist Behind the Desk
MIT affiliate Patty Keough, guitar and Carry the One. 5-8 p.m. Stata Amphitheater. 253-9821.

Charming Hostess Concert
Performance from the female ensemble's new CD, "Sarajevo Blues" (Tzadik). 8 p.m. Room 54-100.

SATURDAY
September 17

Varsity Sailing - Metro Series Two
9:30 a.m. Charles River. 258-5265.

A Celebration of Serbian Music and Dance
Performances by 100 dancers, singers and musicians including the Teofilovic Brothers from Belgrade, Serbia. \$20 suggested donation (\$15 student). 3 p.m. Kresge Auditorium.

Hurricane Katrina Relief Dinner
Southern food for an excellent cause! All proceeds go to hurricane relief. Costs covered by the Institute. 6 p.m. La Sala de Puerto Rico. \$15 minimum. 253-0742.

"Thai Night 2005: Siam Chronicle"
Thai folktale told through Southern shadow puppets, demonstration of a popular festival and traditional Thai cuisine. \$12, \$10 MIT. 6:30-9:30 p.m. Walker Memorial.

SUNDAY
September 18

MIT Swapfest
Electronics and ham radio flea market. \$5. 9 a.m.-5 p.m. Albany Street Garage. 253-3776.

"Mind & Hand: The Making of MIT Scientists & Engineers"
MIT Museum exhibit. Noon-5 p.m. MIT Museum. 253-4444.

An Interview with Brad Powell of Calabash Music on WMBR's Africa Kabisa Program
Powell discusses innovative technologies that could transform the sales of world music, and help bridge the divide between musicians and music lovers. 4-6 p.m. Listen on 88.1 FM. 253-4000.

Go Online! The MIT Events Calendar has been revamped and is now easier to use – check it out at: <http://events.mit.edu>.
Go Online! Office of the Arts website at: <http://web.mit.edu/arts/office>.

EDITOR'S CHOICE

<p>HURRICANE RELIEF</p> <p>Donate to relief organizations helping with recovery from Hurricane Katrina. Ongoing through September.</p> <p><i>Daily</i></p> <p>Lobby 10 9 a.m.-5 p.m.</p>	<p>BLOOD DRIVE</p> <p>Sponsored by the American Red Cross and MIT's chapter of AMSA. Sept. 15 and 16.</p> <p><i>Sept. 15</i></p> <p>La Sala, Student Center Noon-6 p.m.</p>	<p>PENNY ARCADE</p> <p>Lecture by Gabe and Tycho, aka Mike Krahulik and Jerry Holkins, creators of the popular web comic "Penny Arcade."</p> <p><i>Sept. 16</i></p> <p>Room 10-250 5-7 p.m.</p>
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MIT EVENT HIGHLIGHTS SEPTEMBER 19 - 25

MONDAY
September 19

Student Holiday—No Classes

Hart Nautical Gallery
"Iquarium"—A virtual fluid flow display. 9 a.m.-8 p.m. 253-5942.

Photos with Tim the Beaver
Photos with MIT's mascot. All participants will be entered into a raffle. 11 a.m.-2 p.m. Lobby 10.

Interviewing Workshop
Tips on preparing for interviews, including how to dress and answer questions effectively. 2-3:30 p.m. Room 4-270. 253-4733.

Kokikai Aikido
Modern Japanese martial art that teaches coordination of mind and body through the practice of effective self-defense techniques. 7:15-9 p.m. DuPont (W32) Wrestling Room. 253-0772.

TUESDAY
September 20

"Youth Culture, Music and Cell Phone Branding in China"
Talk by Professor Jing Wang. Noon. Room E52-175. 258-0385.

"What Europe?"
Discussion with Suzanne Berger, Barry Posen and Harvard's Glen Morgan on the next steps after the ratification of the European Constitution failed. 4:30-6 p.m. Room E51-395. 258-0385.

"Translation"
Architecture lecture by Fernando Romero, Mexico. 6:30 p.m. Room 10-250. 253-7791.

"The Journey from Subways to Urban Media Marketing"
Presentation by Bronx-based Graffiti Artists TATS CRU. 7 p.m. Room 32-123. 253-2341.

WEDNESDAY
September 21

Sanskrit Class
Learn some of the ancient language. Noon. Room 5-234. 258-0385.

"Is There A Global Communication Culture?"
Panel discussion on the impact of globalization on communication flows in business, media, education and cultural production. 1-3 p.m. Room 16-628. 258-0385.

MISTI Week Soccer Tournament
MIT soccer teams play off against each other in a three-part tournament during MISTI Week. 7-9 p.m. Barry Astro turf. 258-0385.

THURSDAY
September 22

"Leadership in an International Company"
Lecture by Kennett Burnes, Chairman and CEO of Cabot Corporation. 4-5:30 p.m. Wong Auditorium. 258-9419.

"The Future of the Car — The Car of the Future"
Panel with John Heywood, Dan Roos, Erica Fuchs and Will Lark. 4-6 p.m. Room 4-237. 258-0385.

Writer's Series: Mark Jay Mirsky
Reading by Mirsky, a writer and founding editor of Fiction Magazine. 7 p.m. Room 14E-304. 253-7894.

"The Power of Revolutionary Thinking"
MIT Enterprise Forum, panel includes Dava Newman. 5:30 p.m. Kirsch Auditorium, Stata Center. 253-8240.

FRIDAY
September 23

"Emerging Muslim Identities in Diasporic Communities"
Panel presentation moderated by Arundhati Banerjee. 3-5 p.m. Room 3-343. 253-4771.

"Scientific Settings: Photos of MIT Labs"
Opening reception for the photographs by Scott Globus, MIT Class of 1984. 4 p.m. Room 10-150. 253-4444.

An Evening of Vietnamese Guitar
The band Living Incense performs the Five Venoms Style, an original composition for electric guitar, drums and electronics. 8 p.m. MIT Coffeehouse. 253-2341.

SATURDAY
September 24

Varsity Sailing — Women's Dinghy Clinic
9 a.m. Charles River. 258-5265.

The 5th Annual MIT Great Glass Pumpkin Patch
1,000 handblown glass pumpkins, created by artists from the MIT Glass Lab. Proceeds benefit the MIT Glass Lab. Rain date: Sunday, Sept. 25. 10 a.m.-5 p.m. 253-5309.

Varsity Football vs. Worcester State College
2 p.m. Steinbrenner Stadium. 258-5265.

"Mondovino"
LSC Movie. \$3. 7 p.m. Room 26-100. 253-3791.

Hurricane Katrina Benefit Concert
Concert to benefit victims of Hurricane Katrina — donations encouraged. 9 p.m. Lobdell Dining Hall. 253-0742.

SUNDAY
September 25

F.A.S.T. Program: "The Wonders of Electricity and Magnetism"
Demonstration by Professor Walter Lewin. Free with an MIT ID. 2-4 p.m. Meet at MIT Museum to walk over to off-site Physics Laboratory. 452-2111.

MITHAS Concert
Shahid Parvez, sitar. Presented by MITHAS (MIT Heritage of South Asia) in cooperation with Sangam. \$18, MITHAS members \$14, students \$10 and MIT students free. 4 p.m. Wong Auditorium. 258-7971.

International Folk Dancing (participatory)
8-11 p.m. Lobdell Dining Hall. 253-FOLK.