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Art Museum receives major gift from Emily Rauh Pulitzer

Gift builds on more than 50-year involvement of Emily and Joseph Pulitzer Jr. with Harvard

Harvard University today (Oct. 17) announced that the Harvard Art Museum has received a gift of 31 major works of modern and contemporary art and \$45 million from Harvard alumna Emily Rauh Pulitzer, a former Harvard Art Museum curator, longtime supporter and friend of the museum and of Harvard, and wife of the late Joseph Pulitzer Jr. The modern works include important paintings and



Photo Tony Rinaldo

Pulitzer

sculptures by Brancusi, Derain, Giacometti, Lipchitz, Miró, Modigliani, Picasso, Rosso, and Vuillard. The contemporary art includes major works by di Suvero, Heizer, Judd, Lichtenstein, Nauman, Newman, Oldenburg, Serra, Schapiro, and Tuttle. This gift represents one of the most significant donations of works of art ever received by the museum. The financial gift is the single largest donation in the history of the Harvard Art Museum.

The Art Museum concurrently announced previous gifts of 43 other modern and contemporary works (both outright and partial gifts) from Emily Rauh Pulitzer and Joseph Pulitzer Jr., and Mr. Pulitzer and his first wife, Louise (who died in 1968). These gifts were made between 1953 and 2005 and were never formally announced as donations to the Art Museum, and included paintings by Braque, Cézanne, Miró, Monet, Picasso, and Stella, and works on paper by Cézanne, Degas, and Delaunay. In addition, the Pulitzers have provided financial support over the years that helped the Art Museum to purchase 92 works of art, including paintings by Baselitz, Braque, and Mondrian, works on paper by Ellsworth Kelly, LeWitt, Marden, Serra, David Smith, and Twombly, and an important collection of Indian paintings on paper.

(See **Pulitzer**, page 32)

The gift includes important works of art by Picasso, Miró, Brancusi, Nauman, Serra, and Tuttle. At left, Pablo Picasso's 'Harlequin,' 1918.

Photo Bob Kolbrener

Genome Project releases data on 10 genetic pioneers

By Alvin Powell
Harvard News Office

The world moved a step deeper into the DNA age Monday (Oct. 20) as 10 volunteers released their genetic and medical information on the Internet as part of a multiyear effort to make genetic data an everyday part of medical care.

The effort was headed by Harvard Medical School's George Church, professor of genetics and

head of the Personal Genome Project, who was himself one of the volunteers. Their release of information was an initial step in the project's ultimate goal of enrolling 100,000 people willing not only to get their genome sequenced but also to share that information, along with their medical histories, with researchers and the public alike.

The project will create an enormous database of both genetic and medical information that researchers can mine for links between specific

genes and particular medical conditions. The effort will also reveal information about personal genetic tendencies that participants can use in planning their own medical care. In addition, the project will tackle the societal issues surrounding privacy and access to medical information created by the opening of a whole new source of personal data — one's DNA.

Monday's event, a news conference at Harvard (See **DNA**, page 6)

This month in
Harvard history

Oct. 15, 1945 — Pulitzer Prize-winning History Professor Paul Herman Buck, PhD '35, becomes Harvard's first Provost. Under the terms of the statutory amendment approved on this day by the Board of Overseers, the Provost is also, *ex officio*, Dean of the Faculty of Arts and Sciences (the position Buck has held since 1942).

October 1946 — In response to the postwar surge of married veterans, the University Nursery School opens new expanded quarters on Kirkland Pl. (off Kirkland St.). Consisting of two Quonset huts linked by a half Quonset, the H-shaped facility handles 90 children daily. Winnifred A. Lydon, six trained women college graduates, and a pediatrician look after the youngsters.

October 1947 — The Law School Association becomes the first alumni group to take decisive action toward creating a war memorial by launching a \$100,000 drive to create a Treasure Room in Langdell Hall to preserve and exhibit the School's celebrated collection of manuscripts and rare books on legal history. An illustrated brochure formally announces the project.

Slated for the north end of the reading-room floor, the Treasure Room will be air-conditioned and dust-free. Doorways of its memorial entrance area will contain the names of the 193 Law graduates who died in World Wars I and II.

Oct. 12, 1947 — The University News Office (Weld Hall) issues a widely used press release describing the various means by which Harvard students had worked their way through college during the past year, as revealed by the Harvard Student Employment Office. Among the College-based jobs: counting stars, feeding laboratory rats, filing photographic plates, and prying mud from fossils.

From the Harvard Historical Calendar, a database compiled by Marvin Hightower

CLARIFICATION

In the Oct. 9 Gazette story, "GSD students develop innovative plan for local school for deaf," it should have been noted that the design project was funded through the Greater Boston Community Service Fellowship Program, administered by the Office of Career Services at the Harvard Graduate School of Design. The Gazette regrets the omission.

PRESIDENT'S OFFICE
HOURS 2008-09

President Drew Faust will hold office hours for students in her Massachusetts Hall office on the following dates:
Thursday, Nov. 13, 4-5 p.m.
Monday, March 16, 2009, 4-5 p.m.
Thursday, April 23, 2009, 4-5 p.m.
Sign-up begins at 2:30 p.m. Individuals are welcome on a first-come, first-served basis. A Harvard student ID is required.

MessageMe system to be tested today

The University will test its emergency text-messaging system, MessageMe, today (Oct. 23).

A test message will be broadcast midday to more than 14,000 Harvard community members who have signed up for the alert system.

To learn more,
www.messageme.
harvard.edu

Users do not have to do anything to acknowledge receipt of the test alert. "Just delete the message after you receive it," said Stephen Rivers, telecommunications manager for University Information Systems. "The system will automatically confirm who has received our test alert and provide that data to administrators working with the system here."

In an actual extreme, campuswide emergency, users would receive directions about actions to take to help ensure their safety. They might also be asked to pass along important information to others in their immediate area, such as a classroom or dormitory or playing field.

This test will be the largest activation of

the system since its inception in August 2007. "We've never had an emergency that was extreme enough to require University-wide MessageMe activation, and hopefully we never will," Rivers said. "To be on the safe side, however, periodically we do need to run tests of this sort." Plans call for testing twice per year.

Those with questions or concerns about the test may email MessageMe@Harvard.edu.

Harvard community members are encouraged to sign up for MessageMe, which is free and confidential. Yearly registration with a Harvard PIN is required. To learn more, visit the Web site www.messageme.harvard.edu/.

MessageMe is one of several alert systems the University would employ in the event of a wide-scale emergency situation. During a crisis, messages would also be posted on the University Web sites www.harvard.edu and www.emergency.harvard.edu; recorded on the special-conditions telephone line, (617) 496-NEWS; e-mailed to affected groups; and delivered via campus telephones.

POLICE REPORTS

Following are some of the incidents reported to the Harvard University Police Department (HUPD) for the week ending Oct. 20. The official log is located at 1033 Massachusetts Ave., sixth floor, and is available online at www.hupd.harvard.edu.

Oct. 16: At Peabody Terrace, an officer was dispatched to take a report of a stolen pair of concert tickets valued at \$452.55. Officers sent on his way an individual who was yelling and causing a disturbance at Radcliffe Campus Drive. At the Harvard Square kiosk, officers assisted the Cambridge Police Department (CPD) with two individuals involved in a domestic disturbance.

Oct. 17: A bicycle was stolen at the Center for Government and International Studies. At the Science Center, an officer was dispatched to take a report of a stolen unattended wallet.

Oct. 18: Officers were dispatched to the Harvard Advocate at 21 South Street, to a report of a loud party. While in the process of shutting down the party, one of the officers observed an individual attempting to climb into the police cruiser. The individual was placed under arrest and charged with breaking and entering. Also at the Harvard Advocate, officers took a report of a stolen unattended

purse containing a wallet, \$20, and a cell phone. Also stolen was the individual's blue scarf and a black iPod Touch. Later the individual's purse, wallet, and a portion of the money were located.

Oct. 19: A black leather wallet was reported stolen at Hillel. At Mt. Auburn Street and Holyoke Street, officers were dispatched to assist the CPD in taking a report of an assault.

Oct. 20: An officer was dispatched to Divinity Hall to take a report of a pair of stolen earrings. Upon arrival, the officer observed a pry mark and chipped wood on the lower part of the door. At William James Hall, officers issued an unwanted guest a trespass warning for all Harvard University property. A lawn ornament was knocked over and damaged at Andover Hall. At Soldiers Field Park, an officer was dispatched to take a report that an unknown individual kicked a large hole in the wall inside the building. A bicycle, cable lock, and helmet were reported stolen at the Gutman Library. At the Building C1 of Harvard Medical School, an officer was dispatched to take a report of a stolen unattended and unsecured cell phone. At 78 North Harvard St., an officer assisted the Boston police in a report of a motor vehicle with smashed windows.

MEMORIAL SERVICES

Gewertz memorial service Friday

A memorial service will be held 3 p.m. Friday (Oct. 24) at the Memorial Church for Ken Gewertz, who died on Sept. 7 at his home in Watertown, Mass. He was 63. Poet, teacher, fiction writer, and editor, Gewertz won an O. Henry Award in 1982. He gave 22 years of service

to the University. As a reporter for the Harvard University Gazette, he covered almost every aspect of life at the University, concentrating on the arts and humanities.

Richmond memorial program
scheduled for Oct. 27

A memorial service honoring the life of Julius B. Richmond will be held Oct. 27 at 10 a.m. at the Harvard Club of Boston, 347 Commonwealth Ave. A reception will follow. A former U.S. surgeon general, Richmond held appointments at the Harvard School of Public Health, Harvard Medical School, and the Harvard Kennedy School. He died on July 27.

FLU CLINICS

HUHS to offer flu vaccination
clinics throughout October

Harvard University Health Services (HUHS) will conduct free high-risk flu vaccination clinics throughout the month of October. The clinics will be held for all high-risk individuals every Monday and Tuesday (noon-3 p.m.) at HUHS on the second floor of the Holyoke Center (Monks Library). Students must have their Harvard ID to receive the vaccination.

High-risk groups include pregnant women, individuals 50 or older, younger adults with chronic illnesses (such as diabetes and asthma), health care workers, individuals in contact with children younger than 6 months, and individuals in contact with those at high risk of the flu's complications, such as individuals with AIDS.

Beginning Nov. 3, HUHS will open free flu vaccination clinics to the entire Harvard University community (not exclusively high-risk individuals). More information on the flu can be found at www.cdc.gov/flu/.



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Distribution and Subscriptions/(617) 495-4743:
Delivered free to faculty and staff offices, undergraduate residences, and other locations around the University. U.S. delivery (periodical mail) of 32 issues per year, \$32. Surface delivery in other countries (including Canada), \$39.

Address Changes: Harvard Gazette
Attention: Circulation, Holyoke Center 1060
Cambridge, MA 02138
Periodical postage paid at Boston, MA.
Harvard University Gazette (issn: 0364-7692) is published weekly October, February, April, and May; three times in September, November, December, and March; two times in June by the Harvard University Office of News and Public Affairs, Holyoke Center 1060, Cambridge, MA 02138.
Office of News and Public Affairs: (617) 495-1585
News Office Fax: (617) 495-0754
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Jon Chase/Harvard News Office



In a panel at the Law School, former Supreme Court Justice Sandra Day O'Connor and Archbishop Desmond Tutu remember more difficult times.

O'Connor talk revisits affirmative action decisions

Houston Justice Award winners talk about their trials and triumphs

By Colleen Walsh
Harvard News Office

For the members of a small panel gathered at Harvard Law School's Ames Courtroom last week, big challenges were nothing new.

Sandra Day O'Connor could rope cattle and would have been a valuable addition to any ranch, but after graduating near the top of her class from Stanford Law School in 1952, she couldn't get a job in the legal profession.

As the first black Anglican archbishop of Cape Town, South Africa, Desmond Tutu risked arrest for occupying the official archbishop's residence, which was located in an area still considered "white" under the country's apartheid laws in 1986.

Dolores Huerta, when she was told by leaders of the Latino community in Arizona in 1972 that she couldn't organize farm workers to fight for their rights, gave a simple but potent response, one with newfound resonance: "Yes, we can!"

The challenges of equality, inclusion, and affirmative action were all on the table at a two-day conference (Oct. 17-18) sponsored by the Law School's

Charles Hamilton Houston Institute for Race & Justice. The meeting included a panel with O'Connor, the first woman appointed to the U.S. Supreme Court; Tutu, a Nobel Peace Prize winner; and Huerta, one of the nation's foremost labor organizers.

The event, "Charting New Pathways to Participation & Membership" examined current challenges to inequality at all levels of society as well as the lessons learned from past struggles and potential solutions moving forward.

A large portrait of Houston, who was a Harvard Law School graduate and member of the editorial board for the Harvard Law Review, presided at the front of the room in Austin Hall. Houston, vice dean of Howard Law School in the 1930s, was renowned for his civil rights work and tireless fight to end segregation. Today, the Law School's Dean Elena Kagan holds the title of Charles Hamilton Houston Professor of Law.

In the keynote address, O'Connor reflected on the Supreme Court's 2003 Gratz and Grutter decisions, which addressed affirmative action admissions policies for the University of Michigan's undergraduate and law school programs, respectively. The court, she noted, relied heavily on the precedent established by Justice Lewis F. Powell Jr. who determined in the landmark ruling on affirmative action, Regents of the University of California v.

Bakke, that strict scrutiny be applied in the consideration of race in admissions policies and that "universities could use race in a tempered but not single-minded way."

O'Connor said that the court ruled in the Gratz v. Bollinger case that the school's undergraduate admissions policy was too restrictive because "it rigidly assigned 20-point bonuses to applicants from racially underrepresented backgrounds [and that] was counter to some kind of individualized assessment." The law school case was decided differently, however.

O'Connor, who wrote the decision for the Grutter v. Bollinger case, said that Michigan Law School's taking race into account as one among a variety of factors in order to assure a diverse student body was, in fact, constitutional.

"The court concluded that educational institutions should be allowed to *consider* race because *prohibiting* them from doing it would intensify the nations' racial problems rather than eliminate them," she said.

In addition, she noted that the law school ruling was only a temporary solution.

"We thought it should be a temporary bandage rather than a permanent cure. The majority in the

(See **HLS**, next page)

'Death protein' may lead to drugs that force cancer cells to self-destruct

Scientists at Dana-Farber Cancer Institute have identified a previously undetected trigger point on a naturally occurring "death protein" that helps the body get rid of unwanted or diseased cells. They say it may be possible to exploit the newly found trigger as a target for designer drugs that would treat cancer by forcing malignant cells to commit suicide.

Loren Walensky, a pediatric oncologist and chemical biologist at Dana-Farber and Children's Hospital Boston, and colleagues report in the Oct. 23 issue of the journal *Nature* that they directly activated this trigger on the "executioner" protein BAX, killing laboratory cells by setting in motion their self-destruct mechanism.

The researchers fashioned a peptide (a

protein subunit) that precisely matched the shape of the newly found trigger site on the killer protein, which lies dormant in the cell's interior until activated by cellular stress. When the peptide docked into the binding site, BAX was spurred into assassin mode. The activated BAX proteins flocked to the cell's power plants, the mitochondria, where they poked holes in the mitochondria's membranes, killing the cells. This process is called apoptosis, or programmed cell death.

"We identified a switch that turns BAX on, and we believe this discovery can be used to develop drugs that turn on or turn off cell death in human disease by targeting BAX," said Walensky, who is also an assistant professor of pediatrics at Harvard Medical School.

BAX is one of about two dozen proteins known collectively as the BCL-2 family. The proteins interact in various combinations leading to either the survival of a cell or its programmed self-destruction. Cancer cells have an imbalance of BCL-2 family signals that drives them to survive instead of dying on command.

The late Stanley Korsmeyer, an apoptosis research pioneer and Walensky's Dana-Farber mentor, had suggested that killer proteins like BAX could be activated directly by "death domains," termed BH3, contained within a subset of BCL-2 family proteins. He hypothesized that this activating interaction was a fleeting "hit-and-run" event, making it especially challenging for scientists to study the phenomenon.

As suspected, the proposed BAX-activating interactions could not be captured by traditional methods. "When you tried to measure binding of the BH3 subunits to BAX, you couldn't detect the interaction," explained Walensky. He recognized, however, that the BH3 peptides being used in the laboratory didn't retain the coiled shape of the natural BH3 domains that participate in BCL-2 family protein interactions. Walensky and his colleagues pioneered the design of "stapled" BH3 peptides, which contain a chemical crosslink that locks the peptides into their natural coiled shape. With biologically active shape restored, the stapled BH3 peptides bound directly to BAX and triggered its killer activity.

Defining how the activating peptides

(See **Cancer**, next page)

Cancer

(Continued from previous page)

docked on BAX remained a formidable catch-22. In order to solve the structure of an interaction complex, it needed to be stable enough for analysis. In this case, the BH3 binding event itself triggers BAX to change its shape and self-associate to perform its killer function, rendering the activating interaction unstable by definition.

What if, Walensky proposed, you could set up the interaction of BH3 and BAX under laboratory conditions that caused it to be more stable or proceed in slow motion? The plan was to adjust the potency of the stapled BH3 peptide so that, according to Walensky, “it was good enough to bind BAX, yet activate it just a bit more slowly so that we could actually study the interaction.” The researchers would then look for any detectable shift in the three-dimensional structure of the BAX protein to help point them to the docking site.

The researchers used nuclear magnetic resonance (NMR) spectroscopy to monitor the arrangement of atoms in the protein. First authors of the Nature paper Evripidis Gavathiotis of Walensky’s laboratory and Motoshi Suzuki of Nico Tjandra’s laboratory at the National Institutes of Health succeeded in generating pure BAX protein that could be put into solution with the stapled BH3 peptide — the latter in increasing concentrations until it initiated a BH3-BAX interaction. Gavathiotis and Suzuki used the NMR technique to spot a group of BAX amino acids, the building blocks of proteins, which were affected by the addition of the stapled BH3 peptide.

“The discrete subset of amino acids that shifted upon exposure to the stapled BH3 peptide mapped to a completely unanticipated location on BAX,” said Walensky. The long-elusive binding site on BAX that initiates its killer activity was revealed. “Because BAX lies at the crossroads of the cell’s decision to live or die, drugs that directly activate BAX could kill diseased cells like in cancer, and BAX-blocking drugs could potentially prevent unwanted cell death, such as in heart attack, stroke, and neurodegeneration,” he added.

Additional authors include Marguerite Davis, Kenneth Pitter, Gregory Bird, and Samuel Katz of Dana-Farber, and Ho-Chou Tu, Hyungjin Kim, and Emily H.-Y. Cheng of Washington University School of Medicine, St. Louis. The research was supported, in part, by a grant from the National Institutes of Health.



Photos Kris Snibbe/Harvard News Office

Unveiling the Stephen Coit portrait of John Usher Monro are S. Allen Counter (from left), Elizabeth Eve '10, and Matthew Clair '09.

John U. Monro portrait is unveiled at PBH

Minority recruitment pioneer is remembered

The Harvard Foundation for Intercultural and Race Relations has unveiled a ninth portrait in its Minority Portraiture Project.

The latest honoree on canvas is John U. Monro, former dean of Harvard College. Monro’s portrait, painted by Stephen Coit ’71, was unveiled last week (Oct. 16) in Phillips Brooks House.

John Usher Monro was born in 1912 in North Andover, Mass. He attended Phillips Academy on scholarship while working as a part-time grocery delivery boy. He attended Harvard, also on a scholarship, receiving an A.B. degree in 1934. After graduation, Monro worked in the Harvard News Office, and later joined the U.S. Navy. He later developed a program for college-bound veterans and became director of financial aid at Harvard. He was the founder and first chairman of the College Scholarship Service, through which colleges share financial data on student applicants for aid.

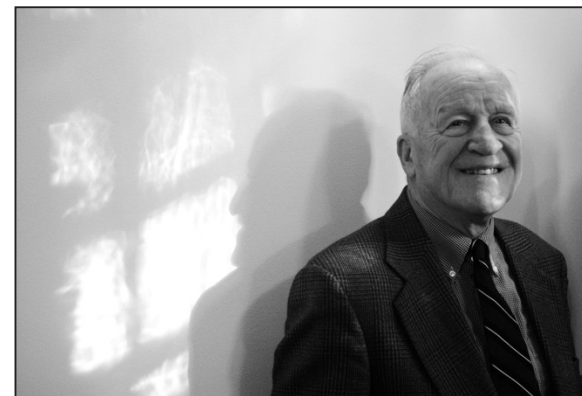
Monro also spearheaded a nationwide effort to recruit talented poor and minority students who might otherwise never aspire to college. He made the point that if colleges could make an effort to seek out and support



gifted athletes, they could surely do the same for students who were intellectually gifted.

Because of his convictions and support for civil rights, he left Harvard in 1967 to become a teacher and administrator at the all-black Miles College in Alabama, where he remained for 30 years before transferring to Tougaloo College, an all-black college in Mississippi. At age 80, he was voted the best teacher at Tougaloo College. Monro died in 2002.

“It was with great honor and pride that I commissioned the portrait of John Usher



Dustin Burke '52, M.B.A. '55 (above) made sure he was in attendance as the portrait of his close friend Monro (left), who died in 2002, was unveiled in Phillips Brooks House.

Monro, a distinguished educator who dedicated much of his adult life to making educational opportunity available to Americans of different ethnic groups and classes,” said S. Allen Counter, director of the Harvard Foundation. “John Monro is my hero, and I am certain that I express the sentiments of many African Americans and others when I say, ‘Thank you, John, for your invaluable contributions to advancing education among the disadvantaged and underprivileged of our nation. Your service has been exemplary.’”

HLS

(Continued from previous page)

Grutter case said that ... we expect 25 years from now the use of racial preferences will no longer be necessary.”

In assessing the progress made in the intervening years since the 2003 decisions, O’Connor admitted there was still much work



Jon Chase/Harvard News Office

Houston Justice Award winner Dolores Huerta is the co-founder and vice president *emerita* of the United Farm Workers of America.

to be done and advocated for better early education as part of the solution to closing the achievement gap and ending the need for affirmative action in higher education.

“You don’t want to wait until there’s a law school application; it starts in elementary school,” she said.

On the event’s second day, Tutu and Huerta joined O’Connor in the final panel, titled “The Path to Inclusive Civic Leadership.” The three — who received the Charles Hamilton Houston Institute Justice Award for their efforts to support democracy and equality — engaged in an informal conversation with Charles J. Ogletree Jr., Jesse Climenko Professor of Law and the institute’s director, who questioned them about their distinguished careers.

O’Connor relayed her own struggle early on, recalling how, after graduation, she did everything she could just to get an interview at a law firm — without success.

“It never occurred to me that I

wouldn’t be able to get a job, because out on the cattle ranch, if you could do the work, you were welcome.”

Ultimately, she bargained with the district attorney of San Mateo, Calif., to take her on for free, and let her squeeze a desk next to the office secretary. Despite the conditions, O’Connor recalled, she was thrilled to work in public service addressing real concerns.

“I loved my job,” she said.

Her experience growing up on a ranch, she said, came in handy when President Reagan was deliberating about a Supreme Court nomination.

“He liked horses and cattle and fence building, and all those things. I think what he liked about me was my ranch background.”

Huerta, co-founder and vice president *emerita* of the United Farm Workers of America, who worked side by side with activist Cesar Chavez for the rights of farm workers across the country, offered the crowd simple yet profound advice on how to effect change.

“You have the power; you just have to

take the responsibility,” she told the audience in Austin Hall.

Tutu, instrumental in bringing down apartheid, credited the millions of people around the world who, with their pressure and support, helped dismantle the repressive system. The work wasn’t easy, admitted the retired Anglican archbishop, who said even his own faith in a righteous and fair God was tested during the long struggle to break the hold of discrimination in his native South Africa.

“God, we know that you are just, why don’t you make it slightly more obvious,” Tutu said he recalled thinking at the time.

Later, he invoked God again, noting that he could have died a happy man the moment he raised Nelson Mandela’s hand as the first black president of South Africa, but that the creator apparently needed him to lead the country through its difficult healing process as the head of its Truth and Reconciliation Commission.

O’Connor didn’t miss a beat: “She had more work for you.”

colleen_walsh@harvard.edu

Teacher of Arabic Wilson B. Bishai dies at 85

Wilson B. Bishai, professor *emeritus* of Arabic for the Department of Near Eastern Languages and Civilizations (NELC), died Aug. 1 from kidney failure at his home in Maryland. He was 85.

Born in Egypt, Bishai emigrated to the United States in 1951. He attended Maryland's Washington Missionary College and Adventist Seminary, then earning his Ph.D. in Oriental studies in 1959 at Johns Hopkins University.

He taught at the National Security Agency and the Johns Hopkins School of

Advanced International Studies before moving to Boston. In 1966, Bishai came to Harvard, beginning his near 30-year career as a senior lecturer of Arabic.

Extremely well liked by his students, Bishai was a pioneer in the development of the Bishai Computer Dictionary of Literary Arabic, an educational software specializing in teaching and translating the Arabic language.

Former colleague William Graham, dean of the Harvard Divinity School (HDS), said, "Wilson Bishai introduced a genera-

tion of Harvard students to modern Arabic language study. His good humor and infectious enthusiasm for Arabic were irreplaceable, and all who studied with him remember him with fondness as well as appreciation."

He leaves his wife, Elizabeth; two sons, William and David, both of Baltimore, and a daughter, Linda of Washington, D.C. — all graduates of Harvard; brother Yousef of Grosse Point Farms, Mich.; and six grandchildren.

Services have been held.

Two HSPH professors honored for their scientific contributions

Two members of the Harvard School of Public Health (HSPH) faculty have been elected to the Institute of Medicine (IOM) a national resource for independent, scientifically informed analysis and recommendations on human health issues. The IOM was established in 1970 by the National Academy of Sciences, and membership is a high honor in the health and medicine fields. Those elected make a commitment to volunteer a significant amount of time as members of IOM committees which engage in a broad range of studies on health policy issues.

Louise Ryan, Henry Pickering Walcott Professor of Biostatistics and chair of the HSPH Department of Biostatistics, and Phyllis Kanki, professor of immunology and infectious diseases at HSPH, are two of 65 new members and five new foreign associates who were announced by the IOM.

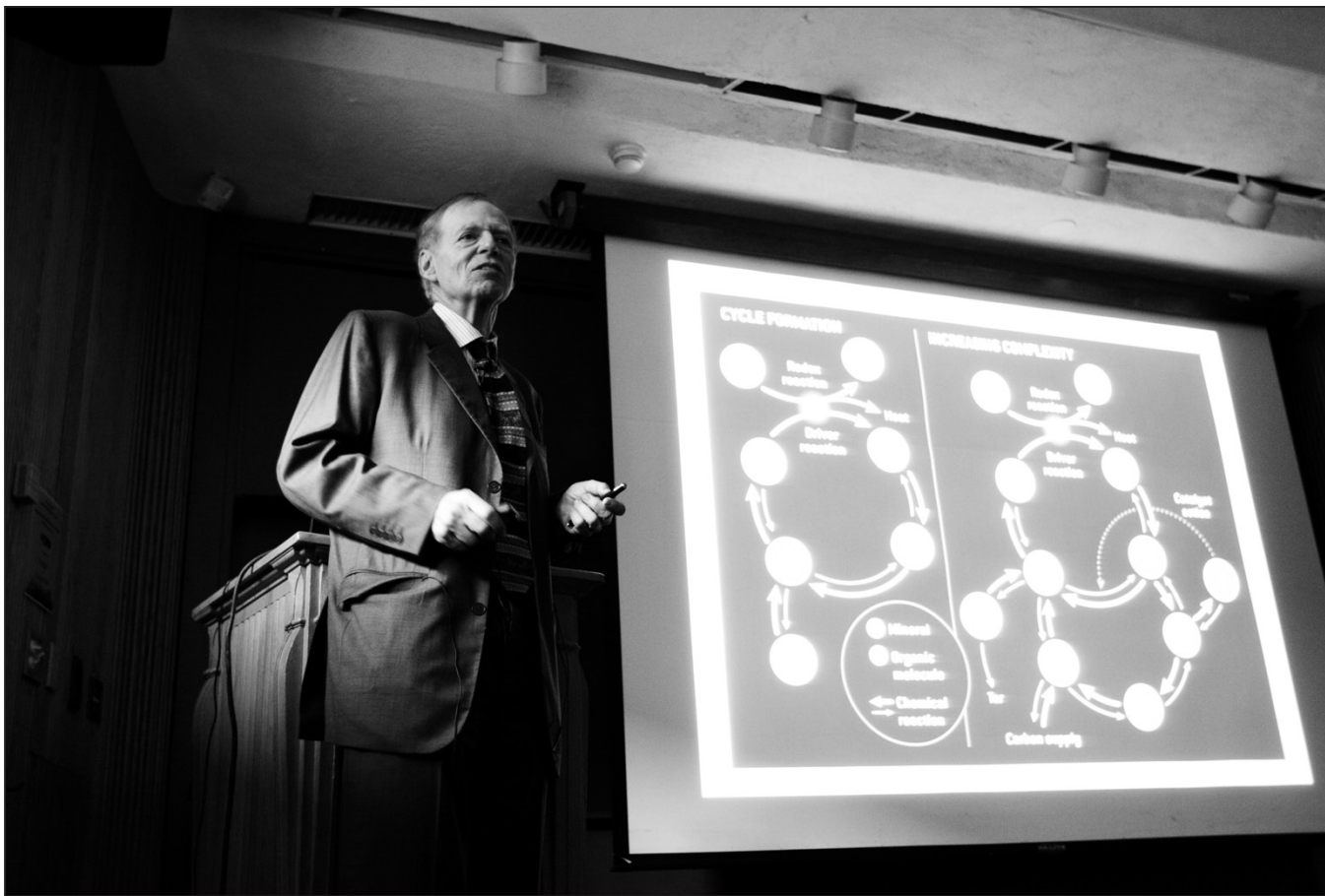
Ryan works on statistical methods related to environmental risk assessment for cancer, developmental and reproductive toxicity, and other adverse health effects. She has been involved in evaluations by the National Academy of Sciences of several high-profile environmental issues, including risks associated with arsenic and drinking water as well as methylmercury. Ryan is a fellow of the American Statistical Association and an advocate for diversity in higher education.

"Professor Ryan's election to the IOM is well deserved. It is a great honor for her, the School, and the Department of Biostatistics, which she leads with such energy and vision. She is a leader in statistical research, an outstanding mentor to students and junior faculty, and a wonderful colleague," said James H. Ware, HSPH dean for academic affairs and Frederick Mosteller Professor of Biostatistics.

Phyllis Kanki's description of a human virus related to simian immunodeficiency virus (SIV) in healthy West African individuals led to a research collaboration lasting more than 20 years with Senegalese scientists on the natural history of HIV-II, determinants of pathogenesis, and protection and interaction with new HIV-I virus variants.

In addition, she has coupled her research and international training efforts with public health initiatives for HIV prevention and treatment. She directs the AIDS Prevention Initiative in Nigeria, established by a grant from the Bill & Melinda Gates Foundation, and the Harvard President's Emergency Plan for AIDS Relief program.

"Phyllis Kanki, an outstanding virologist who early on recognized a new form of HIV — HIV-II, with a different pattern of disease — perceived the threat of AIDS to Africa," said HSPH Dean Barry R. Bloom. "With great courage she undertook overall leadership of our major program under the President's Emergency Plan for AIDS Relief, which has successfully trained thousands of health professionals in Nigeria, Tanzania, and Botswana, assuring prevention, care, and treatment for thousands of individuals in those countries."



Rose Lincoln/Harvard News Office

At the Biological Laboratories lecture hall, Robert Shapiro speaks about the origin of life on Earth: 'There's nothing freaky about life; it's a normal consequence of the laws of the universe.'

Probing life's chemical origins

NYU chemist Robert Shapiro decries RNA-first possibility

By Alvin Powell
Harvard News Office

Back in the depths of time, an event almost miraculously improbable happened, creating a long, unlikely molecule. And life arose on Earth.

Or, if you prefer, back in the depths of time, in a soup of small, relatively common molecules, an unknown chemical reaction occurred, sustained itself, replicated... and life arose on Earth.

A talk by New York University chemist Robert Shapiro brought the scientific debate over the first chemical stirrings of life to the Biological Laboratories lecture hall Wednesday afternoon (Oct. 15) in the first talk in this year's Harvard Origins of Life Initiative annual lecture series.

Shapiro, chemistry professor *emeritus*, delivered the talk "A Simpler Origin for Life," a presentation based on his well-publicized opinions on the likeliest ways life can begin. Shapiro, who received his doctorate from Harvard, was introduced by Origins of Life Director and Professor of Astronomy Dimitar Sasselov. Sasselov welcomed Shapiro back to Harvard and described him as one of the most well-known scholars on life's earliest spark.

Shapiro traced the history of thinking on the origin of life on Earth. The discovery of DNA in 1953 brought speculation that life might have arisen with the first spontaneous assembly of the long, coiled molecule. Holding the blueprint for life, DNA could have begun replicating itself and passing on its genetic information, making the transition from nonliving to living for the first time.

DNA fell out of favor as more became known about the elaborate processes needed to make proteins from DNA's instructions, however. Some thought that a simpler but related molecule, ribonucleic acid (RNA), which also carries genetic information, would be a good alternative candidate.

As more people jumped on the RNA-as-first-molecule-of-life bandwagon, which Shapiro termed "RNA-first," Shapiro found himself more frequently criticizing the idea. He decried what he saw as the extreme improbability that such a long, complex molecule would or could arise spontaneously and become the first step in the long chain of life that followed.

"It started out with the idea that life itself had to begin with such a replicator [of genetic information]," Shapiro said. "The odds against [RNA forming on its own] are

astronomical."

While chemists have succeeded in making the molecules of life — or their components — in the lab out of simpler molecules, Shapiro said the tightly controlled processes in a chemistry lab can't be mistaken for what would have happened on the early Earth.

"Any abiotically prepared replicator before the start of life is a fantasy," Shapiro said.

Eventually, Shapiro said, his students gave him the nickname "Dr. No" because of his criticism of theories of how life began. He thought it appropriate to offer an alternative theory in an effort to become "Dr. Yes."

Why search for ways that the highly improbable might have happened, Shapiro asked, when an alternative explanation using more common and simpler compounds has been relatively unexplored? Instead of the "RNA-first," he asked, why not "metabolism first"?

Shapiro said life could have arisen in a completely different way from the spontaneous assembly of a long molecule holding genetic information. It could have started as a self-sustaining reaction involving sim-

(See **Shapiro**, next page)

DNA



Photos Kris Snibbe/Harvard News Office

Nine of the 10 volunteers of the Personal Genome Project gather at a press conference to talk about the genetic tendencies they recently learned their bodies carry. From left are George M. Church, Steven Pinker, John D. Halamka, Rosalynn Gill, Keith Batchelder, Kirk M. Maxey, James L. Sherley, Misha Angrist, and Stanley N. Lapidus.

(Continued from page 1)

Medical School's New Research Building featuring nine of the 10 volunteers, lacked the drama of a major health revelation but was remarkable nonetheless. Participants willingly spoke about the genetic tendencies they recently learned their bodies carry — including severe immunodeficiency disease, hemochromatosis, which causes an iron overload, and an increased susceptibility to tuberculosis.

Though their gene sequencing revealed genes linked to such potentially severe conditions, it was instructive, several volunteers said, that they were, nevertheless, all healthy.

To learn more,
www.personalgenomes.org/

Rosalynn Gill, founder and chief science officer of Sciona, an international company that provides health and nutrition recommendations, said that though the sequencing found hemochromatosis in her DNA, in fact, she has a tendency toward anemia, an iron deficiency.

"It's a lesson for all of us that genetic study is not deterministic," Gill said.

Volunteers also discussed their own decision-making processes as well as the discussions they had with family members before releasing their information. John Halamka, chief information offi-

cer and dean for technology at Harvard Medical School, said he spoke with his wife and 16-year-old daughter. He explained to his daughter that it is possible that potential future boyfriends would look at his genetic information on the Web and draw conclusions about her. Her response, he said, was that she wouldn't be interested in anybody who would make relationship decisions based on such data anyway.

Johnstone Family Professor of Psychology at Harvard Steven Pinker, who was one of the 10 volunteers, spoke for several in saying his participation was spurred by scientific curiosity. Pinker said he's interested in the roots of personality and eager to help determine the role that genes play in the development of personality traits.

"We're almost completely in the dark about what the causal relationships are," Pinker said. "I think it'll be many years before we know, but I want to be part of this effort."

The news conference followed a two-day period where volunteers learned about the results of their genetic sequencing and consulted with personal and project physicians before agreeing to release the data. Church said the information is preliminary, calling it "a beginning, not an ending" to participants' involvement with the project.

The event was a beginning in a very real way, as the recruiting, sequencing, and release of the data

was required by Harvard's Institutional Review Board, which reviews all research involving human subjects, as a way to identify and work through potential issues before beginning the mass enrollment the project will require.

The first 10 subjects were handpicked, not only for their willingness to participate, but also for their knowledge of genetics research and understanding of the risks that uncovering and releasing genetic information can carry.

Besides Church, Pinker, Halamka, and Gill, the group also includes Misha Angrist, science editor at Duke University's Institute for Genome Sciences & Policy; founder and CEO of Genomic Healthcare Strategies Keith Batchelder; chairman and CEO of Helicos BioSciences Corp. Stanley Lapidus; senior scientist at Boston Biomedical Research Institute James Sherley; Kirk Maxey, founder of Cayman Chemical; and investor Esther Dyson.

Church said the first samples of skin, blood, and saliva were taken in 2006. The samples were used not only to extract genetic information, but they will also be used to establish stem cell lines for each participant. Those cells would be available for possible future research.

The project has a waiting list of about 5,000 people interested in participating, Church said, but will need many more to achieve its goals.

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Though the sequencing found hemochromatosis in [Gill's] DNA, in fact, she has a tendency toward anemia, an iron deficiency. "It's a lesson for all of us that genetic study is not deterministic."

Rosalynn Gill

Shapiro

(Continued from previous page)

pler molecules that grew more complex, replicated, and eventually led to the creation of genetic material like RNA or DNA.

If true, this "metabolism first" scenario would mean that life in the universe is potentially quite common, because it doesn't rely on an extraordinarily rare event to get the process started, Shapiro said.

"There's nothing freaky about life; it's a normal consequence of the laws of the universe," Shapiro said.

Shapiro said such a metabolismlike reaction would require five things: some sort of a boundary to keep the ingredients together, such as a rock-bound compartment; a supply of energy; a coupling of the energy to a "driver reaction"; a chemical network that would permit adaptation and evolution; and reproduction.

Though such a model would have no single molecule holding the genetic information, like modern cells do, Shapiro said that wouldn't necessarily preclude replication. If a reaction grew, obtaining or

producing more of its chemical constituents until it split, it could still replicate the reaction perfectly each time even without a master molecule.

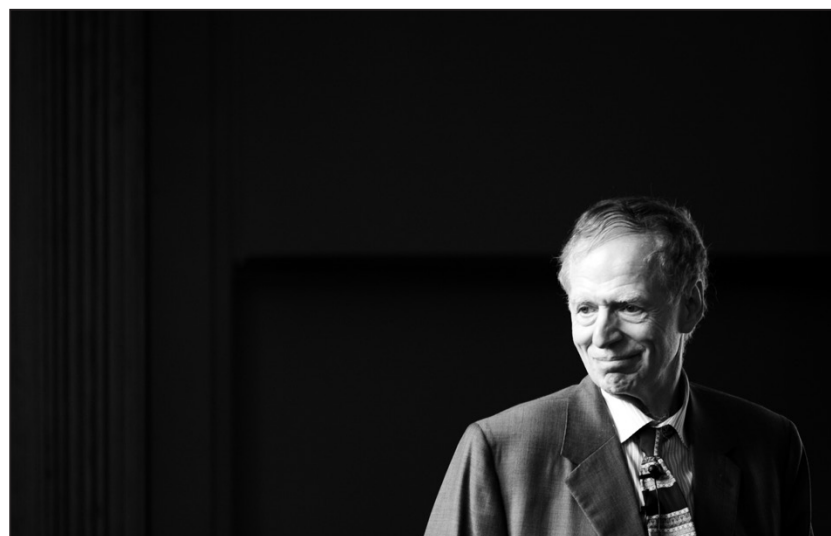
During a spirited question-and-answer session after the talk, audience members said that most people today realize how unlikely the RNA-first scenario is. Others said that over vast stretches of time, even unlikely events can become near-certainties. And still others said that things that seem impossibly complex can turn out to be elegantly simple once we figure them out.

Shapiro urged today's scientists and students to explore the metabolism-first idea, saying that it has drawn little experimental attention. With modern instruments and talented chemists, it might be possible to figure out the details of such a reaction — a proof of concept — in just a year.

"I think a good organic chemist like you have here, with the equipment you have here, could solve this within a year," Shapiro said. "You won't have

solved everything, but you'll have cracked a portion of the walnut open."

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Robert Shapiro talks about the origins of life on Earth.

Rose Lincoln/Harvard News Office

SPORTS WRAP-UP

Men's and Women's Cross Country

42nd University at Albany Invitational
M (16/22), W (9/24)
Pre-National Invitational
M (28/39), W (21/39)

Field Hockey (6-6; 2-2 league) *

L Cornell 0-1
*Does not include results of Oct. 22 game v.s. B.C.

Football (4-1; 1-1 league)

W Lehigh 27-24

Coed Sailing

MIT Invite 3/16
Navy Fall Invite 9/20
Boston University Invite 8/17
Women's Intersectional at Yale 5/19

Men's Soccer (7-3-0; 3-0-0 league)

W at Brown 4-1
W at Holy Cross 3-0

Women's Soccer (8-3-3; 3-1-0 league)

W Maine 4-1
W at Brown 2-0
W at Holy Cross 2-1

Women's Volleyball (8-10; 3-3 league)

L Cornell 2-3
W Columbia 3-0

Men's Water Polo (3-10)

W Queens 14-6
L St. Francis (N.Y.) 3-11

UPCOMING SCHEDULE

The week ahead
(Home games in bold)

Thursday, Oct. 23

M Water Polo Connecticut College 8 p.m.

Friday, Oct. 24

M Hockey Québec-Trois Rivières (Ex.) 7 p.m.
Sailing ICSA M Singlehanded Championship/Glen Foster Trophy 9 a.m.
Sailing ICSA W Singlehanded Championship/Judy Lutz Trophy 9 a.m.
Volleyball Princeton 7 p.m.

Saturday, Oct. 25

MLW Crew Princeton 3-Mile Chase all day
Field Hockey Princeton noon
Football Princeton 7 p.m.
M Golf Lehigh Ivtational TBA
W Golf Lehigh Ivtational TBA
W Hockey McGill (EX.) 4 p.m.
Sailing ICSA M Singlehanded Championship/Glen Foster Trophy 9 a.m.
Sailing ICSA W Singlehanded Championship/Judy Lutz Trophy 9 a.m.
Sailing Oberg Trophy 9:30 a.m.
Sailing Sherman Hoyt Trophy 9:30 a.m.
Sailing Central Series Six 9:30 a.m.
Sailing Women's Stu Nelson Trophy 9:30 a.m.
M Soccer Princeton 7 p.m.
W Soccer Princeton 3 p.m.
W Volleyball Pennsylvania 4 p.m.
M Water Polo Queens 5 p.m.

Sunday, Oct. 26

M Golf Lehigh Ivtational TBA
W Golf Lehigh Ivtational TBA
Sailing ICSA M Singlehanded Championship/Glen Foster Trophy 9 a.m.
Sailing ICSA W Singlehanded Championship/Judy Lutz Trophy 9 a.m.
Sailing Oberg Trophy 9:30 a.m.
Sailing Sherman Hoyt Trophy 9:30 a.m.
Sailing Central Series Six 9:30 a.m.
Sailing Women's Stu Nelson Trophy 9:30 a.m.
Water Polo St. Francis (N.Y.) 5 p.m.

Tuesday, Oct. 28

M Soccer Providence 3 p.m.

Wednesday, Oct. 29

Field Hockey Boston University 3 p.m.

Visit www.gocrimson.com for the latest scores and Harvard sports information or call the Crimson Sportsline (617) 496-1383.

Men's soccer keep winning, unbeaten in Ivies

By Gervis A. Menzies Jr.

Harvard News Office

After opening the season at No. 20, Harvard soccer (7-3; 3-0 Ivy League) is back in the rankings at No. 22, coming off big road wins against No. 24 Brown (8-3-1; 2-1-0) and Holy Cross (6-3-3). Harvard, which defeated Brown 4-1 and Holy Cross 3-0, is the last undefeated team in Ivy play this year. After three conference games, Harvard has scored seven times, conceding only one goal.

Co-captain midfielder Michael Fucito '09 and freshman goalkeeper Austin Harms were announced Monday (Oct. 20) as Ivy Player of

the Week and Ivy Rookie of the Week, respectively.

Fucito has three goals and an assist in his last three games and leads the Ivy League in both points and goals, and is second in game-winning goals. Last week, he was also announced as one of 10 finalists for the Lowe's Senior CLASS Award for men's soccer, which is given to one student-athlete every year based on athletic performance, academic excellence, character, and community involvement (CLASS stands for Celebrating Loyalty and Achievement for Staying in School). Nationwide voting for the award will be open until

Nov. 17, and the winner will be announced during the 2008 NCAA Division I Men's Soccer Championship in Frisco, Texas (Dec. 12-14).

Harms, whose Rookie of the Week honor is his second in three weeks, has started every game since his shutout against Yale in his first career start (Oct. 4) and already leads the Ivy League in goals against average and save percentage. He is also fourth in saves per game and fifth in shutouts with three, despite playing in only five games.

The Crimson return to Ivy competition when they face Princeton on the road Saturday (Oct. 25).



Photos Jon Chase/Harvard News Office

Senior linebacker Glenn Dorris' game-saving fumble recovery is relived on the Harvard video board. Harvard's nailbiting 27-24 win is the Crimson's second game this season that came down to the last minute.

Crimson defense seals the win

Harvard avenges — just barely — last year's heartbreaking loss

By Gervis A. Menzies Jr.

Havard News Office

The Harvard football team knows drama. They've lived it all season. Counting Saturday's (Oct. 18) win against the Lehigh Mountain Hawks, three of Harvard's first five games this season have been decided by three points or less. And up 24-10 at the half, the game looked to be headed toward an easy victory — one that would avenge last year's 13-20 loss. But that wouldn't be dramatic enough.

Led by senior quarterback Chris Pizzotti's 181 passing yards and two touchdown passes, Harvard went into the half with 230 total yards of offense, and seemed to be in control. But in the second

half, big defensive stops by the Lehigh defense destroyed the Crimson's momentum, holding them to a single field goal.

Fighting all the way back from the two-touchdown deficit to within three points, Lehigh sacked Pizzotti on consecutive downs, forcing the Crimson to punt the ball with just over 3:08 remaining. With Crimson punter Thomas Hull '10 sending his kick a disappointing 26 yards, the Mountain Hawks started their final possession at their

own 38-yard line.

Driving down the field to the 33 yardline, Lehigh converted on fourth-and-1, putting the Mountain Hawks in range of a game-tying field goal. Then, coming out of a time-out with just over a minute to go, Lehigh took their shot at the end zone. Mountain Hawk quarterback J.B. Clark almost connected with wide receiver Sekou Yansane in the back of the endzone for what looked to be the game winner, but Harvard All-American cornerback Andrew Berry '09 made a spectacular last second strip, causing the ball to fall incomplete. Two plays later, Crimson defensive end Peter Ajayi '09 hunted Clark down and made a play

(See **Football**, next page)



Quarterback Chris Pizzotti reels back to fire a pass. His 302 passing yards moved him to third all-time in passing yardage at Harvard.

Photos Rose Lincoln/Harvard News Office



President Drew Faust (above, standing) meets community residents, including Mary (above, from left) and John Murphy and Mike Lombardi (right).



Community comes out for fun, food, football

A chilly Saturday morning outside of Harvard Stadium couldn't stop the residents of Allston from coming out to mingle at the 19th annual Allston-Brighton Family Football Day (Oct. 18). President Drew Faust and Vice President of Government, Community, and Public Affairs Christine Heenan joined residents of Allston-Brighton for the pregame luncheon.

community

Each year, Harvard provides an opportunity for neighbors both in Cambridge and in Allston to gather over lunch and a game. (Cambridge Football Day took place Oct. 11.) This annual luncheon, preceding the Harvard-Lehigh football game, gave the Allston-Brighton community an opportunity to connect with Harvard in a different way.

"It's nice that such a big University can show a personal side, mingling with the community," said Allston resident Peter Stickney, who came with lifelong friend Matthew Dunn and friend Alicia Delsignore, who are also Allston residents.

Tina Schneider, an Allston mother who brought her 7- and 3-year-old daughters to their first football game Saturday, pledged that they would be back next year. "We love everything Harvard does in the community."

— Gervis A. Menzies Jr.

Football

(Continued from previous page)

on the ball, which popped out and landed in the hands of Harvard linebacker Glenn Dorris '09, sealing the dramatic win for the Crimson.

"We preach to our kids to expect adversity. It's going to come," said Thomas Stevenson Family Head Coach for Harvard Football Tim Murphy. "You just don't know when it's going to come, and what form it's going to come in, but we have to embrace that challenge. And that's when you find out what your true character is. I think it was evident today that that's the way our kids are. They never give up."

"Lehigh did a great job," said Ajayi, whose fumble forcing sack saved the day. "We respect them throughout, but at the same time we believe that if we execute, we have the ability to make a big play at any time, and turn things around."

Last year's loss against Lehigh came on a Harvard fumble — with 30 seconds left in the game — that was returned for a touchdown. It was Harvard's second heartbreaking loss of that season, and dropped them to a 1-2 record.

Murphy admitted that the bitter taste from last year's loss gave his team extra fire. "I think it gave us a significant amount of motivation. ... It was a really devastating loss in terms of how it happened. Last year we didn't allow an offensive touchdown, and [still] didn't get out of there with a victory. So from our standpoint, we real-



Photos Jon Chase/Harvard News Office

Calvin Hill, 9 (above), of Medford, shows some Crimson spirit.

things

ly wanted to set things right. Our kids play for pride no matter what, but there's no question that we felt we needed to win this game for a lot of reasons."

Pizzotti — who completed 62.5 percent of his passes for 302 yards and two touchdowns — was named the Ivy League Offensive Player of the Week for the second time this year, and moved up to third place all-time in career passing yards (4,689), fourth in pass completions (345), and fourth in passing touchdowns (29).

Pizzotti will continue his assault on the Harvard record books when he leads the Crimson to Princeton (2-3; 1-1) Saturday (Oct. 25) to face the Tigers.



Tripped up by a Lehigh defender, running back Ben Jenkins '10 (left) dives forward to steal a couple more yards. Jenkins finished the day with career highs in rushing yards (68), carries (19), receptions (6), and receiving yards (27).



The Crimson defense shut Lehigh down when it counted on Saturday, forcing three turnovers in the win.

Gene therapy restores vision to mice with retinal degeneration

Massachusetts General Hospital (MGH) researchers have used gene therapy to restore useful vision to mice with degeneration of the light-sensing retinal rods and cones, a common cause of human blindness. Their report, appearing in the Oct. 14 Proceedings of the National Academy of Sciences, describes the effects of broadly expressing a light-sensitive protein in other neuronal cells found throughout the retina.

“This is a proof of principle that someday

we may be able to repair blindness in people with conditions like retinitis pigmentosa and macular degeneration,” says Richard Masland, director of the Cellular Neurobiology Laboratory in the MGH Department of Neurosurgery. “There are several limitations we need to overcome before we can begin clinical trials, but I’m optimistic that this work may someday make a big difference for people who otherwise would have no vision at all.”

The study was designed to investigate the

effect of expressing the light-sensitive protein melanopsin in retinal ganglion cells. These specialized neurons receive light signals from the rods and cones and carry those signals into the brain via the optic nerve, which is formed from the cells’ axons. Melanopsin is usually produced in a subset of cells that are involved with establishing circadian rhythms but not with vision. The MGH team used the standard viral vector adeno-associated virus to deliver the gene encoding melanopsin throughout the reti-

nas of mice whose rod and cone photoreceptors had degenerated from lack of a crucial protein.

Four weeks after delivery of the gene, melanopsin — normally produced in 1 percent of retinal ganglion cells — was found in about 10 percent of ganglion cells in the treated eyes but not in eyes that received a sham injection. Many of the melanopsin-expressing cells were structurally different from those that typically produce the pro-

(See **Vision**, next page)



Photos Stephanie Mitchell/Harvard News Office

Lisa A. Cooper asserts that the lack of ‘cultural competence’ of health care providers is a cause of racial health disparities in the United States.

Cooper: Doctor-patient relations cause health disparities

Next in the 2008-09 Dean’s Lecture Series, ‘Can’t You See I’m Busy? Computers That Know When to Interrupt,’ Barbara J. Grosz, 4:15 p.m. Monday (Oct. 27), Radcliffe Institute for Advanced Study, Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard. A video of the Cooper lecture will be available online later this month at www.radcliffe.edu/events/calendar_2008cooper.aspx.

Radcliffe Dean Barbara J. Grosz (left) chats with Cooper before the lecture.

By Corydon Ireland
Harvard News Office

In the United States, a black man can expect to die, on average, 10 years earlier than his white counterpart. For black women, that racial gap in life expectancy is five years.



Similar disparities along racial and ethnic lines are manifest in rates of illness and infant mortality.

“It’s no secret this has been going on for centuries,” said Liberian-born physician and health care researcher Lisa A. Cooper, a Johns Hopkins University professor

of medicine. She explored how health care disparities arise out of the doctor-patient relationship in the first talk in the 2008-09 Dean’s Lecture Series at the Radcliffe Institute for Advanced Study.

“Eliminating Disparities in Healthcare: The Role of Healthcare Professionals” — with an audience of 75 listening in at the Radcliffe Gymnasium — was also the first of the institute’s traditional science lectures.

Cooper contributed to the Institute of Medicine’s landmark 2003 report, “Unequal Treatment: Confronting Racial and Ethnic Disparities in Health Care.”

Scientists, policymakers, and social scientists have debated the origins of health care disparities for years. Biological differences took center stage for a while, she said, along with class, income, and environmental factors like crowding and pollutants.

There were also debates about the effects of stress and discrimination on health care disparities, and behaviors related to exercise and diet.

Now at the forefront, said Cooper, are two newer issues: access to health care, and the quality of health care. How are those influenced by race and ethnicity?

That question gets to the heart of Cooper’s scholarly pursuits as a social scientist. She and her team of researchers acknowledge the traditional barriers to care, including long-distance travel or gaps in insurance coverage.

But they expanded the list of barriers to include cultural beliefs, language, and literacy. She asked, How “culturally competent” are health care providers? How well do they communicate? And what about bias and stereotyping that might — even unconsciously — affect the quality of health care?

The Institute of Medicine report surveyed decades of literature on health care disparities. It concluded that clinical care for all races was equal, said Cooper, but that disparities in health outcomes were still “pervasive” — for every illness, every patient population (young, old, male, female, urban, rural), and for every level of care, from expensive acute care to relatively inexpensive preventive care.

Her conclusion: We need to study more closely what happens between a doctor and a patient. There have been many investigations of “technical care” in medicine, said Cooper, but few studies of “interpersonal care.”

Prompted by the gaps in research, Cooper and her team in the past few years

(See **Disparities**, next page)

Cabot Science Library catches migration in exhibit case

By Peter Reuell
HCL Communications

Roadkill may seem an odd inspiration for a library exhibition, but when a colleague mentioned an article about the rising number of migratory animals killed on roads and highways, Cabot Science Reference Librarian Reed Lowrie knew he'd stumbled onto his next exhibit.

Spurred by the article, Lowrie created the exhibit titled "Birds Do It, Bees Do It, Even Roaming Caribou Do It: Migration in the Animal Kingdom," which explores migratory behavior in animals ranging from butterflies to antelope and the impacts of human behavior and activity on migratory patterns.

"Everybody knows birds migrate," Lowrie said. "But biologists still can't agree on precisely what migration is."

What they do agree on is that literally thousands of animals engage in some form of migratory behavior, some of which will be included in the Cabot exhibit.

"We've got over 20 specimens from the Museum of Comparative Zoology," Lowrie said.

But as those thousands of migratory species come into contact with human activity, the results can be disastrous, Lowrie said.

"There's no question these great migrations, in most cases, are declining," Lowrie said. "The evidence is mostly anecdotal at this point, but there are fewer birds spotted, particularly at stopover points."

And when larger animals, like caribou, come into contact with structures like highways, the results are even more dramatic.

Though there have been attempts to create corridors over and under highways, the outcome so far

has been mixed.

"It's like a killing field out there," Lowrie said.

For many species, the result is simply extinction. As an example, Lowrie points to the passenger pigeon. In 19th century reports, residents of Boston and New York describe the birds as so abundant during their migration that the two cities felt as if it were twilight, all day.

Now, however, "those birds are all gone," Lowrie said. "The last one died in 1914 in captivity."

The difficulty in pointing out the dangers of human activity to migratory species, he said, is that most migratory animals still exist in large numbers, "so it's a low priority for conservation groups, because they don't have unlimited funds. If this exhibit raised awareness of the issue, ... I would consider it a success."

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'Birds Do It, Bees Do It, Even Roaming Caribou Do It: Migration in the Animal Kingdom' will be on display in the Cabot Science Library exhibition case through Jan. 22. The exhibition is open to all Harvard students, faculty, and staff during regular library hours.

Hunn Awards bestowed on six

Six alumni/ae were recognized for their outstanding "Schools and Scholarships" work during an awards ceremony on Oct. 17 at the Agassiz Theatre, Radcliffe Yard. Each year, the Admissions Office honors some of its most loyal and longtime volunteers in Schools Committee work all over the globe. Collectively, this year's recipients represent more than 192 years of dedicated service to the College's admissions process.

Dean of Admissions and Financial Aid William R. Fitzsimmons presented the annual Hunn Awards for outstanding long-time service to Stanley E. Niebruegge '50, Franconia, N.H.; Jonathan Baskin '61, San Marino, Calif.; Elinor Bernstein Balka '62, Forest Hills, N.Y.; Elsie Wilson Thompson '72, Charlottesville, Va.; Philip S. "Flip" Koch '78, Bellaire, Texas; and Deborah Gelin '79, M.B.A. '83, Washington, D.C.

There are more than 6,000 alumni/ae volunteers worldwide who perform "Schools and Scholarships" work for the Admissions Office. The volunteers recruit prospective applicants and interview actual candidates if geography permits. The factual and personal information provided by these volunteers helps the Admissions Office make difficult choices in an increasingly growing and talented pool of applicants. The "Schools and Scholarships" groups operate under the aegis of Harvard Clubs from around the world and have been active as outreach agencies for the Admissions Office for more than 50 years.

The award is named in honor of Hiram S. Hunn '21 who did volunteer work for "Schools and Scholarships" for 55 years — 30 in Iowa and 25 in Vermont. The award was initiated in 1990 to help commemorate the 150th anniversary of the Harvard Alumni Association.



Photos Jon Chase/Harvard News Office

Hunn Award winners Deborah Gelin '79, M.B.A. '83 (above, from left), Elsie Wilson Thompson '72, and Stanley E. Niebruegge '50 gather at Agassiz Theatre.



Award winner Philip S. 'Flip' Koch '78 (from left) chats with fellow winners Elinor Bernstein Balka '62 and Jonathan Baskin '61.

Vision

(Continued from previous page)

tein, implying that it was being expressed in a broader range of retinal ganglion cells. Electrophysiological examination of the melanopsin-expressing cells revealed that all responded to light, although the neuronal signal was delayed and persisted after the light signal had stopped, which is typical for a melanopsin-mediated signal. Two behavioral tests verified that the treated mice — which otherwise would have been essentially blind — had enough vision to find a darkened refuge in an otherwise brightly lit area and to successfully learn that a light indicated a safe platform to which they could swim.

"The same level of melanopsin expression in a human retina might allow someone who otherwise would be totally blind to read newspaper headlines, but the slowness of the response would be a problem," Masland says. He notes that another group's gene therapy experiments published earlier this year were similar but used a protein that requires a level of light comparable to looking directly into a bright sky for a whole day, which would eventually damage the retina. "Before planning clinical trials, we need to develop a more sensitive version of the other protein, channelrhodopsin-2, or a faster-responding melanopsin, which we are working on."

Masland is the Charles A. Pappas Professor of Neuroscience at Harvard Medical School and a Howard Hughes Medical Institute investigator. He and the MGH have applied for a patent related to the work of this study, which was supported by grants from the National Institutes of Health and Research to Prevent Blindness. The lead author of the paper is Bin Lin, of the MGH Cellular Neurobiology Laboratory. Additional co-authors are Amane Koizumi, formerly of MGH and now at the National Institute for Physiological Science in Japan; and Nobushige Tanaka and Satchidananda Panda, of the Salk Institute for Biological Studies.

Disparities

(Continued from previous page)

have used a variety of ways to penetrate and examine what happens in those little rooms where a patient and a doctor meet and talk.

One of Cooper's early studies was conducted over the telephone. With the agreement of 65 doctors in 32 primary care practices in Maryland and the District of Columbia, more than 1,800 patients — roughly half white and half black — were surveyed about their perceptions of choice, control, and personal responsibility during consultations with doctors.

Not surprisingly, the better the communication, the better the health outcomes. Cooper also uncovered a factor that has emerged in every study since: "racial concordance." The more a patient identifies with a doctor racially (and visa versa), the better the perception of health care, and the better the health care outcomes.

A later study used audiotapes to probe doctor-patient interactions. Researchers timed the visits, and measured factors like tone of voice and the speed of talk (faster is more aggressive). Among the findings: White doctors seem less interested and more hurried with patients of a different race. But "race-concordant" visits were longer, involved slower speech, and involved "a more positive emotional tone," said Cooper.

Was something else going on?

Maybe. Cooper was the first researcher to measure implicit bias among doctors, and then blend those findings with how they were perceived by their patients. She measured bias she called so "unconscious" as to be "unavailable to introspection."

Cooper used a modified version of the Implicit Association Test (IAT), developed at Harvard's Project Implicit. The Web-based test, requiring a rapid-fire pairing of images and words, is the brainchild of Harvard social psychologist Mahzarin Banaji.

The bottom line: Despite professed liberal preferences, the doctors scored with the general U.S. population. Around 70 percent revealed preferences for same-race interactions.

"There hasn't been a lot of work in this area at all," said Cooper, who called for more research on the cultural and racial friction that may negatively affect health care.

"You can't necessarily change an unconscious attitude," she said. "But you can change what you do about it."

Doctors need better communications skills, Cooper said. Clinical practices need to build more time into visits, for the sake of doctor-patient rapport. And — somehow, she added — more minorities have to be drawn into health care practice.

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Researchers identify promising gene target for neuroblastoma therapy

Researchers at Dana-Farber Cancer Institute have identified a set of previously unknown mutations in a single gene in 8 percent of neuroblastomas, tumors of the nervous system that occur in young children and account for approximately 15 percent of all childhood cancer deaths.

The discovery is intriguing because a small “targeted” molecule inhibitor caused neuroblastoma cell lines carrying two of the mutations to die when treated in the laboratory. This suggests that when mutations activate the gene, known as ALK, tumors become “addicted” to — or dependent on — the mutated gene for their continued growth. Therapies designed to inhibit ALK may offer an effective approach to the disease.

For the research team and Dana-Farber itself, the finding is especially rewarding because funding for the study was provided in part by the Friends for Life Foundation, founded by the parents of a young Dana-Farber patient to support neuroblastoma research.

The study appears in the Oct. 16 issue of the journal *Nature*. The lead author is Rani George and the senior author is A. Thomas Look, both from Dana-Farber.

Using high-powered gene-sequencing technologies, Look and his colleagues found five never-before-identified mutations in ALK in 8 percent of the neuroblastoma tumor samples studied. The mutations were all in a portion of the gene responsible for the enzymatic activity of the ALK “receptor,”

which transmits growth and survival signals to the cell.

Some of the mutations give neuroblastoma cells the ability to proliferate even without the molecules that normally activate the receptor in a highly controlled way, the researchers found.

To see whether such haywire growth can be stopped, investigators mixed a powerful ALK-blocking molecule into batches of test cells whose ALK receptors harbor each of the newly discovered mutations. The small molecule inhibitor, TAE684, halted proliferation and brought on the death of cells with the most common mutation, designated F1174L, as well as cells with another of the mutations.

When investigators treated human neu-

roblastoma cells harboring the F1174L mutation with TAE684, the responses were just as dramatic as they had been in the test cells. The results were confirmed when researchers used a second technique for shutting down ALK genes with the F1174L mutation.

“Our timing is good because there is a new inhibitor of the ALK receptor that is currently showing promise in clinical trials in adults, and which should be available soon for clinical trials in children,” said Look. “We are very hopeful that this drug will have activity in children whose tumors have these mutations. More studies are needed, but we are excited by the possibility that this drug and others like it will represent a major step forward for some children with neuroblastoma.”



Nick Welles/Harvard News Office

Belfer Center Director Graham Allison (left) interviewed Sam Nunn (right), former Democratic senator from Georgia and a national security policy expert, about nuclear disarmament.

Nunn wants to eliminate nukes

‘Now, we can’t see the top of the mountain. We’re going to have to get to the base camp.’

By Ruth Walker

Special to the Harvard News Office

Sam Nunn, former Democratic senator from Georgia (1973-97), is well known as an eminence in the realm of U.S. security policy.

But there was a time when he was just a young lawyer who had never been abroad — or even north of Washington. Just a few months out of law school, he was working as a staff attorney for the U.S. House Armed Services Committee. His boss asked him to fill in for him on a three-week tour of NATO bases in Europe.

The timing was significant: October 1962, in the middle of the Cuban missile crisis — “the most dangerous moment in human history,” as it has since been called.

The young Nunn got a top-secret daily security briefing during his travels, which took him, at one point, to Ramstein Air Base in Germany at the peak of the crisis. There he met with the U.S. Air Force four-star general who, sitting a few feet from an impressive array of communications equipment, told Nunn that if he received orders

to deploy his nuclear-armed aircraft, he would have just seconds in which to respond — to get them up into the air before Soviet jets took them out on the ground.

“That was my introduction to the possibility of nuclear war,” Nunn told a Harvard audience last week at the John F. Kennedy Jr. Forum of the Institute of Politics. “It made a huge impression on me, and I made a decision then that if I ever had an opportunity to help reduce the nuclear dangers and to raise the nuclear threshold, so that everybody would have more time before they undertook this kind of God-awful, almost planet-ending kind of military response and action, I would try to do it.”

Nunn was at Harvard on Oct. 17 to deliver the first Robert S. McNamara Lecture on War and Peace. The lecture took the form of an interview by Graham Allison, Douglas Dillon Professor of Government and director of the Belfer Center for Science and International Affairs at Harvard Kennedy School (HKS), and was followed by questions from the floor.

Robert S. McNamara himself, secretary of defense from 1961 through 1968 and now

92 years old, was present at the lecture with his wife, Diana, and was given the honor of asking the first question from the floor: “Do you think it’s practical to organize an international movement to eliminate nuclear weapons within five years?”

In January 2007 Nunn joined with William Perry, secretary of defense under President Clinton, and two former secretaries of state, Henry Kissinger and George Shultz, to write an article published in *The Wall Street Journal* calling for “A World Free of Nuclear Weapons.” At last week’s Forum, Nunn acknowledged that this vision, put forth by a quartet that Allison called “four of the bluest chips in the national security business,” would take some time to achieve.

“It won’t happen within five years,” Nunn said in response to McNamara’s question. “Right now we can’t see the top of the mountain. We’re going to have to get to the base camp.”

Nunn has also been active in efforts to secure “loose nukes” through the Nuclear Threat Initiative, which he chairs with TV

(See **Nunn**, next page)

Belfer Center names fellows for 2008-09

The Belfer Center for Science and International Affairs at Harvard Kennedy School recently announced the following new 2008-09 research fellows. These fellows conduct research within the Belfer Center’s International Security Program/Program on Intrastate Conflict (ICP) and Project on Managing the Atom (MTA).

International Security Program/Program on Intrastate Conflict

Teresa de Almeida Cravo is a doctoral candidate at the Centre of International Studies of Cambridge University. Cravo is working on a critique of democratic transitions in post-conflict states in Africa, focusing on Mozambique and Guinea-Bissau. Her research includes conflict resolution, peace building, postcolonial states, democracy, and development — particularly within the African context.

Linda Kirschke is a Ph.D. candidate in the Department of Politics at Princeton University. Kirschke’s dissertation, “Why Ruling Elites Play the Ethnic Card,” examines the rise of ethnic cleansing during periods of regime change.

Lee Seymour completed his Ph.D. at Northwestern University and Ecole des Sciences Politiques in Paris. Seymour studies the dynamics of civil wars, including factionalism, external legitimation, and the organization of insurgency. Focusing primarily on Southern Sudan and the broader Horn of Africa, he has also studied secessionist conflict in the Balkans and the Caucasus.

Paul Staniland is a Ph.D. candidate in the Department of Political Science and member of the Security Studies Program at the Massachusetts Institute of Technology (MIT). Staniland’s research examines cohesion and fragmentation in insurgent and paramilitary groups, with a focus on South Asia and Northern Ireland.

Maya Tudor is a Ph.D. candidate at the Woodrow Wilson School at Princeton University, completing a dissertation on the divergent democratization paths taken by India and Pakistan.

Sarah Zukerman is a Ph.D. candidate in political science at MIT. Zukerman holds a B.A. in international relations from Stanford University and an M.S. in development studies from the London School of Economics and Political Science. Her dissertation analyzes variation in paramilitary

(See **Belfer**, next page)

Center for European Studies welcomes its fall fellows

The Minda de Gunzburg Center for European Studies (CES) has announced the arrival of its 2008 fall fellows. The CES is dedicated to fostering the study of European history, politics, and society at Harvard, and selects visiting scholars that will play an active role in the intellectual life of the CES and the University. While at the center, fellows will conduct research, advise students, and give public talks.

CES fall fellows

Ophelia Eglene, Middlebury College, will continue researching British business, the London financial sector, and the euro.

Paul Friedland, Bowdoin College, is researching the evolution of modern capital punishment in *ancien régime* and revolutionary France.

Alexander Geppert, Freie Universität Berlin, will continue research on outer space and extraterrestrial life in the Euro-

pean imagination of the 20th century.

Wolfgang Gick, Dartmouth College, will continue his work on political expertise, special interest politics, and voting rules under strategic disclosure.

Renée Haferkamp, European Commission, will continue to organize the CES lecture series "Challenges of the 21st Century: European and American Perspectives."

Timothy Houghton, Birmingham University, is researching preference formation in the new EU member countries of Slovakia, Slovenia, and the Czech Republic.

Guila Clara Kessous, postdoctoral fellow, will examine cross-cultural dimensions in French theater, analyzing sacred origins and sociolinguistic fractures in Surrealist theater and theatre engagé.

Jörg Lau, Die Zeit, is a journalist who will examine multilateralism as fragmentation of the West.

Claudia Leeb, postdoctoral fellow, will

continue research on "Justice and the Unconscious: Rethinking Class and Gender Justice with and against Marx, Adorno and Lacan."

Lisa Moses Leff, Southwestern University, is conducting research on the ownership of French Jewish history and archives in transit after World War II.

Nuno Luis Madureira, Institut Superior Ciencias Trabalho Empresa, is researching the political economy of energy in Europe.

Fernanda Nicola, American University, will focus on comparative law in the age of globalization, looking at the market, city, and family.

Edmond Préteceille, Institut d'Études Politiques de Paris, will compare changing urban divisions in United States and French cities.

Helke Rausch, University of Leipzig, will work on a history of American "scientific philanthropy" in the social sciences in

France, Germany, and Britain from 1920 to 1980.

Jacques Rupnik, Institut d'Études Politiques de Paris, is working on a project that focuses on trajectories of political change in East-Central Europe and the Balkans since 1989.

Jasminka Sohinger, Ekonomski Fakultet Zagreb, will examine globalization and growth in emerging European economies.

Quentin Skinner, Queen Mary, University of London, while in residence will examine the character and idea of the state.

Ali Tekin, Bilkent University, will research the impact of Europeanization on Turkish foreign policy.

Thomas Weber, University of Aberdeen, will conduct research on Adolf Hitler's regiment and World War I.

Claus Wendt, University of Mannheim, is examining ideas and institutions in the field of European health care.

Nunn

(Continued from previous page)

mogul Ted Turner.

Among the other points Nunn made:

The need to slow things down

"We've got to get weapons off hair-trigger alert," Nunn said. "We've got to work with Russia on warning time. It makes no sense for them to have only a few minutes to decide whether to fire all their nuclear weapons." He also noted that over the past 10 years, Russia has dropped the "no first use" policy for nuclear weapons.

The need to include Russia

Nunn was sharply critical of the United States, Europe, and Russia for failing to devise a Euro-Atlantic security architecture that includes Russia. Noting that some analysts seem to believe that Russia needs to be isolated, Nunn commented, "Look at the map and see how you're going to isolate Russia. That's a joke."

Rethinking NATO

NATO needs to rethink itself, and bring its military and political sides back into sync, Nunn said. "We're bogging down in Afghanistan." Moreover, the possibility of admitting Georgia or Ukraine, or even Russia, to NATO raises numerous questions that haven't been thought through, he said. "How are we going to defend Georgia? What about Ukraine?"

After the collapse of the Soviet bloc, he



Nick Welles/Harvard News Office

Sam Nunn (right) talks with former Secretary of Defense Robert S. McNamara.

said, "we used NATO to signal you're accepted in the West." Had the European Union, a nonmilitary organization, been used to send that signal, it "would have changed the psychology" of the region, Nunn said.

Missile defense

Nunn distinguished between missile defense, which he supports, and "star wars," which he does not. He also noted that had the United States taken up the Russian offer to base part of its missile defense system on Russian soil, there would have been an opportunity for constructive diplomacy in

other ways.

He noted pointedly, "We haven't seen what we paid Poland" to win its cooperation on the missile defense sites. If the United States has had to give Warsaw security assurances going beyond Article 5 of the Atlantic Charter, that suggests that NATO is losing credibility.

Pakistan

"Pakistan is probably the most dangerous country on the face of the earth," Nunn said. Its archrival, India, is also nuclear-armed, and has an advantage in conventional weapons.

Belfer

(Continued from previous page)

groups' postwar trajectories and ex-combatants' reintegration success in Colombia.

International Security Program/Project on Managing the Atom

Målfrid Braut-Hegghammer is a research fellow at the Norwegian Institute for Defense Studies and in her final year as a Ph.D. student at the London School of Economics and Political Science. Braut-Hegghammer's research focuses on theories of nuclear proliferation and the cases of Libya and Iraq.

Vipin Narang is a Ph.D. candidate in the Department of Government at Harvard, focusing on nuclear proliferation in regional powers. Narang's dissertation explores the

sources of regional power nuclear postures and their consequent effect on deterring conflict.

Thomas M. Nichols is a professor of national security affairs and former chairman of the Strategy Department at the U.S. Naval War College. He is also a former U.S. Senate staff member. Author of the recent book "Eve of Destruction: The Coming Age of Preventive War," (University of Pennsylvania Press, 2008) Nichols currently is researching the reform of nuclear strategy.

T. Negeen Pegahi is a Ph.D. candidate in political science at the University of Chicago. Pegahi's research interests focus on international relations theory and security studies, specifically the causes and conse-

quences of nuclear proliferation.

Elena Rodriguez-Vieitez received a Ph.D. in nuclear engineering from the University of California, Berkeley. Her research interests include the security implications of an increased global reliance on nuclear energy and nuclear weapons nonproliferation.

Matthew Sharp received a Ph.D. in physics from the University of Chicago where he was a graduate research fellow with the National Science Foundation, studying the growth of structure in the early universe. Previously, Sharp worked on high-energy physics experiments at Fermilab and CERN, and he is currently researching the role that technology can play in nonproliferation and disarmament verification.

Kuwait Program Research Fund accepting proposals

The Harvard Kennedy School (HKS) has announced the 15th funding cycle for the Kuwait Program Research Fund, which is supported by the Kuwait Foundation for the Advancement of Sciences (KFAS). An HKS faculty committee will consider applications for one-year grants (up to \$30,000) and larger grants for more extensive proposals to support advanced research by Harvard faculty members on issues of critical importance to Kuwait and the Persian Gulf. Grants can be applied toward research assistance, travel, summer salary, and course buyout.

Priority will be given to the following subjects, although applications will be considered in other areas as well: technology transfer; water resources and management; oil and petrochemicals; small country security; governance and transparency issues; government subsidies policy; vocational training models; human resources development; applied research, education, and training related to the environment and pollution; public health policy including disease treatment (especially diabetes) and prevention; financial growth and foreign investment.

In addition, the program is seeking more extensive proposals on small country security as well as climate change and its impact on the gulf. HKS is prepared to provide greater funding over a longer period of time for research in the two areas.

Proposals will be evaluated based on the direct involvement of Harvard faculty; the relevance and transferability of the research to Kuwait and the region; and the quality of the work plan, which should include an outreach component. Collaborative research with Kuwaiti academics and educational institutions is strongly encouraged.

Please submit inquiries and research proposals (not exceeding five pages), budget, other sources of funding, and the curriculum vitae for senior researchers to Director, Middle East Initiative, HKS, 79 JFK St., Cambridge, MA 02138. The deadline for the receipt of grant applications is Nov. 14, 2008. Decisions will be announced by Dec. 15. Call (617) 495-5963 for more information.

HRES fetes completion of grad, professional student housing program

Harvard Real Estate Services (HRES) Tuesday (Oct. 21) celebrated the completion of an eight-year program to provide housing for approximately 50 percent of the University's graduate and professional students. The program, which included both new and renovated properties in Cambridge and Boston, provides students with myriad housing options — everything from single-family homes to high-rise traditional residential buildings. Harvard University staff and faculty are also eligible to apply to live in Har-

vard University Housing.

"This is a proud day for not only Harvard Real Estate Services, but for the many groups within and without the University who worked long and hard with us to create housing and vibrant academic communities for approximately half of our graduate students," said Jim Gray, associate vice president for HRES. "The Harvard University Graduate Student Housing Initiative began in 2001 under the leadership of Kathy Spiegelman who deserves much of the credit for this very

successful program. This truly was a team effort and we could not have done it without the support and contributions of our colleagues in the University Planning Office, Office of the General Counsel, Office of Government and Community Affairs, Budget Office, and Office of Treasury Management and others. We also owe our gratitude to faculty members from several Schools, notably Professor [Peter] Ellison of the Graduate School of Arts and Sciences, who provided us with feedback and leadership, and the community groups

and administration of the city of Cambridge. For their work and their commitment to the project, I thank them sincerely."

Neighborhood partnerships

The University worked in close partnership with the city of Cambridge throughout this process. Properties were designed to fit with the scale of the various neighborhoods and to maximize the public's view of and ac-

(See **HRES**, next page)

U.N. leader calls for multilateralism to address global crises



Stephanie Mitchell/Harvard News Office

The global financial crisis is the flip side of the prosperity brought about by globalization, United Nations Secretary-General Ban Ki-moon said in his Kennedy School address, and any solution has to address the needs of people all over the world, rich and poor alike.

Ban calls for international efforts

By Alvin Powell
Harvard News Office

United Nations Secretary-General Ban Ki-moon called on the United States to combat the "imminent threat" of climate change, both by reducing its own greenhouse gas emissions and by leading the effort to craft a successor to the Kyoto Protocol.

Ban, who spoke at the Harvard Kennedy School's John F. Kennedy Jr. Forum Tuesday (Oct. 21), placed climate change among five major global threats that he said will require a new multilateralism by the world's nations.

"We cannot delay action any further," Ban said. "The United States must take a leadership role in addressing climate change."

The other threats include the global financial crisis, terrorism, nuclear proliferation, and global health.

Ban said that these dangers are different from many problems faced by individual nations because their effects cross borders and they will, thus, require international cooperation to address.

Ban was introduced by Kennedy

School Dean David Ellwood and by Dillon Professor of Government and Director of the Belfer Center for Science and International Affairs Graham Allison. Ellwood said it was a great honor to welcome Ban, a Kennedy School graduate, back to the School. Ban was a Mason Fellow in the 1980s, earning a master's of public administration in 1985. It was one of the School's proudest moments, Ellwood said, when Ban became secretary-general in 2007.

Allison, who was Kennedy School dean when Ban attended, recalled Ban as a young man who joked that he was "JFK," which stood for "just from Korea." He said Ban met President Kennedy in 1962 as part of a group of students who visited the White House and that Kennedy presciently said, "What hope we have in the future is in all of you."

Ban's talk, "Securing the Common Good in a Time of Global Crises," was sponsored by the Belfer Center and the Korea Institute at Harvard University.

Ban, who met with several faculty members before his speech, said he was proud to be part of the Harvard community and that his days studying here were

a "golden time."

He then moved on to more serious topics, issuing a call to action for those in the audience to work toward solving the world's problems.

"We come together today at a time of intense crisis," Ban said. "It's time to move the pursuit of the common good to the top of the agenda."

The global financial crisis is the flip side of the prosperity brought about by globalization, Ban said, and any solution has to address the needs of people all over the world, rich and poor alike.

"We have heard much in this country on how programs on Wall Street are affecting innocent people on Main Street. We need to think more about those people around the world with no street. Wall Street, Main Street, no street — the solutions devised must be for all," Ban said.

Beyond the current crisis, the United Nations' Millennium Development Goals represent an important international effort to ease poverty, with the aim of cutting in half the number of people living on less than a dollar a day by 2015. Those goals, which also include targets for edu-

(See **Ban**, next page)

Harvard planners seek feedback on preliminary refinements to master plan

Harvard University's planners are seeking comment on preliminary refinements to several master planning concepts well in advance of filing an Institutional Master Plan (IMP) with the Boston Redevelopment Authority (BRA), targeted for 2009.

These refined planning concepts, some of which have evolved as a result of community input, will be on display in the "Harvard in Allston Exhibit Room" (in Holyoke Center's ground-floor arcade) beginning today (Oct. 23).

allston update

The planning concepts will also be available online at www.allston.harvard.edu. To schedule a tour of the Allston Room with an ADG planner, please contact Alison Reinhardt (alison_reinhardt@harvard.edu).

The concepts, including artists' renderings of what Barry's Corner and proposed open spaces could look like, are the planners' effort to reflect more than a year and a half of discussions with Allston neighbors, the city of Boston, and the Harvard community. Harvard's master planning team is led by Ayers Saint Gross Architects and includes Michael Vergason Landscape Architects, as well as University planners.

"This is just a snapshot in time of some master planning concepts that

have evolved and will continue to evolve further as we gather more input and ideas from Harvard, our Allston neighbors, and the city of Boston in the coming months," said Kathy Spiegelman, chief planner for the Allston Development Group (ADG). "We have a lot more work to do before we have a final IMP, but we wanted to get some ideas out there and get feedback to further advance ongoing discussions and planning."

The concepts focus on open space, locations for shared public places, and the connections between the Allston campus, the Charles River, and beyond that form the campus framework plan. This revised framework will serve as a guide for the next steps as Harvard continues its academic planning, which is still under way.

Feedback from this dialogue will help further advance thinking on Harvard's IMP, which is expected to be submitted to the city of Boston in 2009. The refined concepts, while incomplete, will also help inform the BRA's community-wide planning process for North Allston and North Brighton, which is identifying development goals for the entire community, including Harvard's future Allston campus, and is progressing as Harvard refines its IMP.

Ban



Stephanie Mitchell/Harvard News Office

Ban said that his days studying at Harvard were a 'golden time.'

(Continued from previous page)

cation, health, and gender equality, among others, have drawn substantial financial pledges from the world's nations. It is critical that nations continue to honor those commitments, Ban said.

On climate change, Ban said it is the world's poorest countries — which had the least to do with causing the problem — that will feel its effects most. He praised Harvard's efforts to make itself environmentally sustainable and said that a successor to the Kyoto Protocol must be negotiated by next year if it is to be in place in time for Kyoto's expiration in 2012.

The world's industrialized nations have the capacity to address climate change but lack the political will, Ban noted. It is his job to muster that will, he continued, pledging to work closely with the next U.S. president.

Global health has become a more pressing issue in recent years, with the advent of rapid transportation that can quickly spread disease around the world, as happened in the case of SARS and which health officials are fearful might happen with a mutated strain of avian flu.

The good news about global health, Ban said, is that several powerful new actors are working on the issue, although, he added, their efforts and those of nations around the world require better coordination. Good progress has been made on malaria, he said, which, together with polio, he hopes to see eradicated.

Terrorism is an international issue that is also deeply personal for its victims, Ban said. The international response has to be more innovative, more multilateral, and one which better uses the collective strength of nations involved, he said.

Nuclear disarmament and nonproliferation remain laudable goals that virtually everyone agrees on, yet they also remain goals on which it's difficult to make meaningful progress, Ban said. Though nations agree that nuclear weapons should never be used, the Comprehensive Test Ban Treaty is not in force, conventions on chemical and biological weapons are not universally accepted, and the Nuclear Nonproliferation Treaty is "facing a crisis of confidence."

"Why," Bas asked, "does disarmament remain a noble cause rather than a historical achievement?"

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Asia Programs offers master's in public policy degree

Asia Programs of the Ash Institute for Democratic Governance and Innovation recently announced (Oct. 16) the launch of its two-year master's in public policy (M.P.P.) program at the Fulbright School in Ho Chi Minh City, Vietnam.

The Fulbright School, a partnership between the Harvard Kennedy School (HKS) and the University of Economics-Ho Chi Minh City, works directly with the Vietnamese government's ministry of education as the country's first public policy institute. The school's new M.P.P. program trains policymakers, public officials, and private sector professionals to better address Vietnam's unique economic and policy challenges with sustainable, actionable solutions. Drawing upon the public policy foundations of HKS, the program offers an intensive and research-driven curriculum in public policy, market economics, and public sector leadership within Vietnam's specific socioeconomic context. M.P.P. graduates earn a degree from the University of Economics.

Unlike the more pervasive regionally based and Hanoi-focused training programs in Vietnam, the Fulbright M.P.P. of-

fers a broader, countrywide perspective on Vietnam's pressing challenges, ranging from urbanization to governing with limited resources.

First-year students build strong analytical and theoretical frameworks that include micro- and macroeconomics and quantitative methods. Students delve more deeply into Vietnam-specific policy issues including globalization and rural transformations in the program's second year. Coursework addresses development finance, trade institutions, public leadership and management, and public sector economics. At the conclusion of the program, students write a master's thesis on a specific public sector challenge.

Class discussion is enriched by students' wealth of professional experience, as well as the school's ongoing dialogue with regional and national policymakers. The program's teaching staff includes two HKS professors, as well as Vietnamese professionals. Teachings incorporate original case studies on Vietnam's core challenges as well as HKS cases.

The new M.P.P. program represents just one area of the Asia Programs' broad focus

on Vietnam's future development and integration into the world economy. This past January, members of the Vietnam Program met and presented Prime Minister Nguyen Tan Dung with an analytical report of Vietnam's socioeconomic development strategy. At the recent online event "Choosing Success: The Lessons of East and Southeast Asia and Vietnam's Future," a panel of experts including authors of the report elaborated on its recommendations.

"Increasingly, Vietnam is confronting challenges to its macroeconomic stability including urbanization and globalization," said Anthony Saich, Daewoo Professor of International Affairs at the John F. Kennedy School of Government and director of the Ash Institute for Democratic Governance and Innovation. "Now, more than ever, the country needs leaders capable of crafting innovative and sustainable solutions to pressing national and global issues. We are pleased to offer Vietnam's public and private sector leaders the country's first-ever two-year M.P.P. program, providing an invaluable resource for public policy analysis, management, and leadership to flourish."

HRES



Rose Lincoln/Harvard News Office

A photograph of Harvard @ Trilogy in Boston, which offers 17 affordable rental units to Harvard graduate and professional students, was on display at the Tuesday (Oct. 21) celebration.

(Continued from previous page)

cess to the Charles River. As part of the housing initiative, the city was granted open space along the Charles River to develop as a park. The project also included the creation of many affordable rental and home ownership opportunities for Cambridge and Boston residents, including:

- 17 affordable rental units in Harvard @ Trilogy at 170 Brookline Ave. in Boston
- 6 affordable rental units in a three-story building at 30 Hingham St. in Cambridge
- 33 affordable condominium units at Switch House in Cambridge
- 18 affordable condominium units at Pleasant Street in Cambridge

Sustainability

A strong commitment to sustainability was woven into the fabric of this project,

with the aim of reducing the University's carbon footprint. As a result of these efforts, One Western Avenue achieved LEED Silver certification, 5 Cowperthwaite St. achieved LEED Gold certification, and LEED Gold certification is pending for 10 Akron St. Heating and cooling systems were designed to minimize energy use, and everything from lighting to showerheads was chosen with this goal in mind. To help tenants support the University's sustainability goals, monitors showing real-time energy and water use have been installed in the lobbies of 5 Cowperthwaite St. and 10 Akron St. These monitors enable tenants to see how much energy is being used and to adjust their behavior accordingly.

Graduate Commons Program

Five Cowperthwaite and 10 Akron are home to the University's new Graduate Commons Program.

Created by Harvard Real Estate Services

Properties

The following properties comprised the

2001-08 Graduate Student Housing Initiative: (All properties are in Cambridge, Mass., unless otherwise noted)

- 5 Cowperthwaite St.
- 10 Akron St.
- 29 Garden St.
- One Western Avenue, Allston, Mass.
- Harvard @ Trilogy (Located at 170 Brookline Ave., Boston, across from Landmark Center)
- Pleasant Street Condominiums (157, 165, and 173 Pleasant St.)
- The Switch House (217-229 Putnam Ave. by the corner of West-

ern Avenue)

- 2, 3, 4, 5, 7, 9, and 11 Grant St.
- 37 and 69 Banks St.
- 28 and 30 Hingham St. and 387 Western Ave.

and the University's graduate and professional Schools, the program provides a housing experience that balances the needs for privacy and convenience with opportunities for cross-disciplinary collaboration and social interaction outside of the classroom. The intent of this program is to foster a greater sense of community for the University's graduate student population and to create opportunities for cross-discipline learning and collaboration.

Five Cowperthwaite St. and 10 Akron St. were designed and built to support this program. Both feature common areas where tenants can gather for planned and impromptu gatherings, and each includes a director's suite so that faculty members who run the program can live on-site. In addition, a program coordinator manages the day-to-day program events.

For more information about Harvard University Housing, please visit www.hres.harvard.edu/rre.htm.



Nick Welles/Harvard News Office

Celebrating sustainability

Harvard's first fall sustainability celebration includes panels, tours, fairs, film screenings, coffee house-style discussions, and weeklong challenges — like trayless dining, which limits the amount of wasted food in the dining halls and reduces washing costs.

But the centerpiece of the October sustainability events was Wednesday's (Oct. 22) visit by Nobel Peace Prize winner and former Vice President Al Gore '69. His 2006 film, "An Inconvenient Truth," explored the good science and bad policy behind what Gore calls "the ticking bomb" of global warming. See www.harvard.edu for coverage.

Coverage of events from earlier in the week begin on this page.



At Tercentenary Theatre, former Vice President Al Gore waves to the crowd of 15,000, which, along with Harvard President Drew Faust, applauds enthusiastically.

Stephanie Mitchell/Harvard News Office

Global 'chump change' could provide biodiversity protection



Justin Ide/Harvard News Office

E.O. Wilson and Eric Chivian talk about biodiversity

By Alvin Powell
Harvard News Office

Harvard biologist Edward O. Wilson said the Earth's major biological hot spots could be conserved for roughly \$50 billion— an amount he termed "chump change" in a world of trillion-dollar financial bailouts.

That amount would provide what he called "stopgap" protection for roughly 70 percent of the world's plant and animal species, which are concentrated on just 4 percent of the world's land area. That would provide not just protec-

tion for animals, he said, but also economic development and other support for people living nearby these critical areas.

Wilson, Pellegrino University Professor *Emeritus*, said the amount is equal to just one one-thousandth of the annual "world domestic product" or its annual production of goods and services. Considering the consequences of losing such biodiversity, Wilson said, the amount is small enough for it to be practical to raise.

"It's chump change and it's one reason for optimism," Wilson said.

Wilson made his comments during a talk Thursday evening (Oct. 16) before a packed Geological Lecture Hall. He appeared with Eric Chivian, director of the Harvard Center for Health and the Global Environment and assis-

(See *Biodiversity*, page 18)

E.O. Wilson (right) wrote the foreword to 'Sustaining Life,' a book about biodiversity edited by Eric Chivian (left) and Aaron Bernstein.

Upcoming events

Thursday, Oct. 23

10:30 a.m. to noon: Harvard’s Allston Initiative Sustainability Planning. Visit the Harvard in Allston Exhibit Room in Holyoke Center (first-floor arcade) and learn more from Allston Initiative planners about Harvard’s Allston Initiative sustainability efforts, including the sustainability components of the new Harvard Allston Science Complex currently under construction. To sign up, e-mail alison_reinhardt@harvard.edu.

11 a.m. to 1 p.m.: Organic landscaping discussion and demonstration with Loeb Fellow Eric “T” Fleisher. Principles of organic landscaping, composting, irrigation management, and more. Right inside Johnston Gate.

Noon to 1:30 p.m.: Tours of the Harvard University Dining Services’ “green kitchens” at Dunster and Mather Houses. To sign up, e-mail crista_martin@harvard.edu.

2 to 3 p.m.: Tour of Harvard’s upgraded chilled water plant. Deep under the new Northwest Science Building, it cools more than 75 University buildings using highly efficient technology. To sign up, e-mail lara_adams@harvard.edu. (Space is limited.)

3 p.m.: Walking tour of how to achieve environmental, social, and economic sustainability through recycling and reuse. To sign up, e-mail rob_gogan@harvard.edu.

5:15 p.m.: “The Impact of Agriculture on Biodiversity: Lessons and Lies from Kenya and Borneo” with Princeton’s David S. Wilcove. Science Center Lecture Hall A. Attend the first fall 2008 lecture in the Harvard University Center for the Environment and Bank of America series on Biodiversity, Ecology, and Global Change.

7:30 to 9 p.m.: The Phillips Brooks House Association (PBHA) opens a two-day set of panels on environmental justice, Kirkland House Junior Common Room. Learn about sustainability efforts taking place in Boston and Cambridge from panelists representing community organizations that partner with PBHA and the Environmental Action Committee (EAC).

More events, page 18



William Clark (from left) makes an emphatic point, and Kelly Gallagher, Robert Stavins, Richard Zeckhauser, and Daniel Schrag listen.

Photos Jon Chase/Harvard News Office

Controlling greenhouse gases, universities, individuals matter

By Corydon Ireland
Harvard News Office

From 1850 to 2000, the use of fossil fuels worldwide grew 140-fold, a practice that has gradually filled the Earth’s atmosphere with warming gases.

In 2006, emissions from burning fossil fuels pumped 30 billion tons of carbon dioxide, a greenhouse gas, into the planet’s thin shell of air. Emissions from coal, just one source of CO₂, rise by 2.4 percent a year.

If that and other trends are left unchecked, the density of CO₂ in the atmosphere will reach 1,000 parts per million (ppm) at the end of this century. (It’s 350 ppm now.) At that level, greenhouse gases in the atmosphere will catastrophically disrupt global patterns of temperature, precipitation, oceanic heat exchange, storm activity, and coastal sea levels.

The numbers are big, and the consequences are global and scary. So what can Harvard — a mere dot on the globe — possibly do?

That was the question five University experts addressed this week (Oct. 20) in a panel titled “Reducing Carbon, Promoting Sustainability: The Role of Individuals and Institutions.” About 65 listeners were at Boylston Hall’s Fong Auditorium for the event, one of a series this month celebrating Harvard’s commitment to sustainability.

The panel has a backstory. This July, President Drew Faust pledged that by 2016 Harvard will reduce its greenhouse gases by 30 percent compared with 2006 levels. Harvard has also stepped up its efforts to educate students, staff, and faculty about what individual action can do to reduce energy usage and take other steps toward sustainability.

The Monday evening panel was moderated by Daniel Schrag, director of the Harvard University Center for the Environment. He started with an overview of the big numbers that underscore any discussion of climate change.

“By any standard,” he said of CO₂ levels at 1,000 ppm, “that is a catastrophe.” (Holding concentrations this century to about 550 ppm is what law, policy, and action should target, said Schrag.)

In the meantime, he asked, does individual commitment matter in the face of global climate challenges so big? Will a commitment to sustainability from a town-size institution like Harvard make any difference?

Yes, and yes, said panelist William C. Clark, Harvey Brooks Professor of International Science, Public Policy and Human Development at the Harvard Kennedy School (HKS).

“Individual behaviors matter,” he said, though it’s a research pathway that needs more attention.

Households account for about 30 percent of energy use, said Clark, and reductions in personal energy use for light, heat, and transportation could trim 10 percent off the energy savings that need to be made worldwide. That “cheapest 10 percent,” he added, would make “a modest hunk of difference.”

As for Harvard, Clark expressed a sentiment echoed by all the panelists: What the University does — through teaching, research, and the influence of its name — matters.

“Our product” — top research, talented students, and outreach to the policy community — matters a great deal, said panelist Robert N. Stavins, the Albert Pratt Professor of Business and Government at HKS and director of the Harvard Environmental Economics Program.

(See **Panel**, page 18)



Robert N. Stavins

“Our product” — top research, talented students, and outreach to the policy community — matters a great deal.

Students, faculty, and staff watch Al Gore’s film ‘An Inconvenient Truth’ in Fong Auditorium.

Nick Welles/Harvard News Office

Students watch ‘An Inconvenient Truth’

‘What’s missing,’ says Gore, ‘is a sense of urgency.’

By Corydon Ireland
Harvard News Office

It’s “an inconvenient truth,” but only about 25 people showed up for a Harvard screening Sunday (Oct. 19) of a film by the same name, which earned former Vice President Al Gore ’69 both an Oscar and a Nobel Peace Prize.

Apathy about Gore’s subject — the freight train of global warming — did not account for the slim crowd at Boylston Hall’s 140-seat Fong Auditorium. The Red Sox, after all, were in game six of a playoff series that night.

Clad in a ball cap, jeans, and open sandals, Timothy Treuer ’10, a volunteer with the Harvard College Environmental Action Committee (HCEAC), introduced the 2006 Gore film. Reminded afterward of the Sox game, he agreed that “people were probably in front of a big screen, watching something else.”

But Gore’s message was heard at Harvard in many ways this week, including from the man himself, who spoke Wednesday (Oct. 22) to a Commencement-size crowd in the Tercentenary Theatre. His talk was the highlight of multiday celebrations this month of the University’s commitment to sustainability.

Around campus, “An Inconvenient Truth” got an update too. On Tuesday night (Oct. 22), HCEAC sponsored three simultaneous screenings of Gore’s 25-minute follow-up film, based on a February talk he gave at a TED (Technology, Entertainment, Design) conference in Monterey, Calif. The coffee house-style events — at the Barker Center, and at Lowell and Currier houses — were moderated by faculty experts and drew small crowds of student discussants.

Treuer was at Barker, where about 10 stu-

dents watched the film. As an organic and evolutionary biology concentrator, he was familiar with the facts of global warming, but left impressed by Gore’s tone — “doggedly determined [and] forcefully optimistic,” said Treuer.

At Currier House, about 20 watchers relaxed on sofas as Gore’s renewed message of horror and hope flickered on a television screen. Most had just enjoyed a House “sustainable dinner” — a meal of New England mussels, greens, squash, turnips, and cheese that was designed to illustrate the ecological advantages of eating regionally.

Biologist James McCarthy, moderator of the post-film discussion, was thrilled to see mussels on the menu. “One of the most sustainable harvests,” he explained — low-cost filter feeders raised on floating coastal rafts. “Every time I see it, I’m delighted.”

McCarthy is Harvard’s Alexander Agassiz Professor of Biological Oceanography and was one of the lead authors of the Arctic Climate Impact Assessment, a 2005 document that outlined the likely consequences of sustained warming in the Arctic.

On screen, Gore got right to the point. “In order to solve the climate crisis, we have to solve the democracy crisis — and we have one,” he said. To arrest global warming, individual environmental action is needed, but changing the law is needed more.

Gore also called for “a global transition to a low-carbon economy,” emphasizing conservation and renewable energy. Part of that is “a single, very simple solution” to the climate crisis, he said: “Put a price on carbon.”

The element, trapped on Earth in vast reserves of coal, oil, and natural gas, is released as pollution when burned, filling the thin shell of the atmosphere with gases that trap heat.

Gore added rapid updates of his prize-winning film — satellite images of shrinking forest cover, melting ice cover at the North Pole, and California-size snow melts in the Antarctic.

But there is good news, said Gore: The technology for producing low-carbon energy already exists.

And there is bad news: Developing countries are burning fossil fuel at a rate that matches the Western world in 1965; by 2025, energy-hungry emerging nations will reach 1985 levels.

As one antidote, Gore likes a recent proposal floated in Europe: Set up a vast system of linked solar energy plants in developing countries, creating a product that would benefit both worlds.

In the United States, 68 percent of citizens believe that human activity influences global warming, but they are tangled in “a culture of distraction,” said Gore, and put climate change way down on a list of priorities. “What’s missing,” he said, “is a sense of urgency.”

To take on global climate change, Gore called for “another hero generation” like that of the Founding Fathers, or those inspired by Lincoln’s emancipation of the slaves, the triumph of women’s suffrage, or the sacrifices of World War II.

Afterwards, McCarthy said Gore had found in global warming “the one issue around which civilization could rally.”

Karen McKinnon ’10, an HCEAC volunteer who organized the Currier event, liked the updated film. It modified the impression in “An Inconvenient Truth” that climate change could be turned back by private action alone. Instead, Gore started to emphasize changing the behavior of world leaders.

Political leaders are changing fast, and even both presidential candidates see the urgency of climate change, said McCarthy — “a truly remarkable transformation of political understanding.”

Thomas Schroepfer (below), assistant professor of architecture, listens to his colleagues discuss ‘Designing for Sustainability.’



Rose Lincoln/Harvard News Office

GSD lecture and panel address ‘Designing for Sustainability’

By Elizabeth Gehrman
Special to the Harvard News Office

Interest in green building is high at the Harvard Graduate School of Design (GSD), judging by the attendance at a lecture Tuesday (Oct. 21) in the Stubbins Room at Gund Hall. “Designing for Sustainability” was part of the popular and event-packed sustainability celebration instituted this year by Harvard President Drew Faust.

Participants in the panel discussion were introduced by moderator Jerold Kayden, co-chair of the Department

of Urban Planning and Design, who noted that analyses like those taking place around the University indicate that we still have a somewhat undefined idea of what a sustainable community really is. “The word ‘sustainability’ is loaded with so much baggage,” he said. “Should it have the full range of community issues within it that we might say represent a good community rather than just a sustainable community? Are the two different?”

Should discussions of the social aspects of diversity, for example, come under the umbrella of sustainability in community design? “I’m not suggesting they shouldn’t, or that one definition is axiomatically better than the other,” Kayden continued, “just that we need to be mindful of what is included. How all-encompassing is the term ‘sustainability’ before it ends up being overloaded, being all things to all people and thus losing some of the precision it might otherwise have?”

The breadth of the presentations — one micro and one macro — suggested that the term is a wide-ranging one.

Christoph Reinhart, an associate professor of architectural technology, spoke in detail about “daylighting,” or the use of various

design techniques to enhance the presence of natural light in a building, creating not only a brighter, happier interior, but also a more energy-efficient one. Reinhart presented several rules of thumb regarding the technicalities of daylighting and presented several ongoing research projects, including one that examines retrofitting measures for classrooms in aging public schools in New York City. Another looks at whether graphical user interfaces have matured to the point where designers can use them to build meaningful and accurate models that support informed retrofitting measures.

“What’s really important for me is trying to foster research right now in the Advanced Studies Program in the Graduate School of Design,” Reinhart said, noting that just two months ago he helped establish a GSD area of concentration for sustainability that focuses on evidence-based design and “thinking beyond” LEED certification.

The second talk of the day was co-presented by Christian Werthmann, associate professor and program director in landscape architecture, and Thomas Schroepfer, an assistant professor of architecture. They spoke about TransUrban, an ongoing interdisciplinary design study on exemplary environmental city developments in Europe. Their first case study, presented by Schroepfer, was on Vauban, a former barracks site near Freiburg, Germany, that now comprises more than 2,000 homes and workplaces. Citizens participated in the planning of Vauban; prime concerns included reduction of car use, increase in community spaces and green corridors, and energy-efficient buildings.

The second case study, presented by Werthmann, was on solarCity, a public housing initiative for 3,000 people near Linz, Austria. solarCity aims to minimize its environmental impact through self-sufficient energy generation and onsite waste processing. Werthmann and Schroepfer outlined the pros and cons in each development (one con, for solarCity: an “overabundance” of open space), and made several conclusions.

First, they maintained, though there

(See **Design**, next page)



“The word ‘sustainability’ is loaded with so much baggage. Should it have the full range of community issues within it that we might say represent a good community rather than just a sustainable community? Are the two different?”

Jerold Kayden

Panel

(Continued from page 16)

But more broadly, he said, the role of individuals and even large institutions in affecting climate change pales in comparison to the power of decisions made by companies — and in comparison to the issue-shifting power of governments.

The problem is so big, said Stavins, that solving it requires not only “strong governmental action,” but also significant changes to the world economy, including changes in what things cost. He favors, for one, a tax on carbon.

Individual action has a small effect on the issue, said panelist Kelly Sims Gallagher, “but individuals add up.” (Gallagher directs the Energy Technology Innovation Policy

research group at HKS.)

Significant reductions in U.S. per capita energy use would have a powerful “demonstration effect” on other nations, said Gallagher, and would restore America’s “moral accountability” on global climate change. But at the moment, she said, U.S. per capita energy use is five times higher than in China, and 20 times higher than India’s.

As for Harvard’s sustainability actions, “the demonstration effect is very large,” said Gallagher. “What Harvard does is paid attention to — not just in the United States but around the world.”

Harvard is a “cheap diffusion technology” for spreading ideas worldwide, but could do even more than keep its sustainability

pledges and educate its work force, said panelist Richard J. Zeckhauser, Frank Plump-ton Ramsey Professor of Political Economy at HKS. For one, it could offer eco-tours that show the University’s bricks-and-mortar commitment to sustainability.

At the individual scale, said Zeckhauser, it is important to teach people that paybacks for taking action — upgrading storm windows, say — may take only a few years. On a grander scale, “broad energy use” simply has to cost more, he said. (Zeckhauser called the recent gas crisis “a pretty good natural experiment” in how high prices can lower energy use.)

Still, individuals can make a difference, he said, like the pioneers in solar research,

who will soon lower the cost of getting energy from the sun. Or even individuals who have personal “eco-projects” under way at home, like the storm windows.

Then there are the individuals whose actions can sway whole nations, or change the culture of energy use. In that respect, said Zeckhauser, “Al Gore is like a billion people. Maybe 2 billion.”

Friday, Oct. 24

2 to 4 p.m.: Harvard’s Allston Initiative Sustainability Planning. Visit the Harvard in Allston Exhibit Room in Holyoke Center (first floor arcade) and learn more from Allston Initia-

tive planners about Harvard’s Allston Initiative sustainability efforts, including the sustainability components of the new Harvard Allston Science Complex currently under construction. To sign up, e-mail alison_reinhardt@harvard.edu.

6 to 7 p.m.: The second event on PBHA’s “Big Question — Environmental Justice” presentation and discussion on: Why does it matter for

the communities in which we live, work, and serve? This is the second event in a two-day PBHA series. Parlor Room, Phillips Brooks House.

Design

(Continued from previous page)

are tools to measure individual building performance, ways of measuring sustainable urban development as a comprehensive framework are still in their formative stages. Second, good architecture and urban design are “the glue” to sustainable communities. Finally, the net densities of both developments are relatively low, with a generous 50 to 100 persons per hectare. Can such developments have increased capacities and still retain their high-quality environments? The two men suggested that a population of up to 5,000 — about the size of a traditional neighborhood — maybe ideal for population retention and “stakeholding” in the community.

“Despite the open questions of connectivity with surrounding communities and the lack of urban quality compared with city core areas,” Werthmann concluded, “the case studies of Vauban and solarCity allow us a glimpse of possible alternatives to urban neighborhood development, which allows flexibility for change without depleting the resources for generations to come.”

As Kayden said after the discussion, a quick and easy definition of sustainability is simply “here today, here tomorrow.”



Kris Snibbe/Harvard News Office

Biodiversity

(Continued from page 15)

tant clinical professor of psychiatry at Harvard Medical School, in an event sponsored by the Harvard Museum of Natural History.

Chivian and Wilson marked the publication of a new book detailing the dependence of human health on the life around us. Called “Sustaining Life: How Human Health Depends on Biodiversity,” the book was edited by Chivian and Aaron Bernstein. Wilson wrote a foreword.

Chivian, who was among the founders of the Nobel Peace Prize-winning organization International Physicians for the Prevention of Nuclear War, said he embarked on the book project as a way to apply the lessons learned from the anti-nuclear war campaign to the environmental problems facing the world today.

The anti-nuclear war campaign was successful, he said, because it effectively linked nuclear war to human health effects, bringing the horrible consequences home to ordinary people. The problem with global warming and other environmental problems today, he said, is that they’re much more complex and, though they have potentially disastrous consequences, are harder to convey to people not immersed in the problems’ scientific background. There is, in effect, no Hiroshima and Nagasaki to grab

people’s attention.

The book, Chivian said, is an effort to fill that gap, providing not just a scientific background of the problems facing life on earth, but also case studies that can bring the problem home.

During his talk Thursday, Chivian presented a few examples from the book about how human health is linked to biodiversity through ecosystem services, food production, and the spread of disease, among others. Using polar bears, cone snails, Lyme disease, and several frogs as examples, Chivian pointed out that science is really just beginning to mine nature for its possible benefits to human health.

Bears, including the polar bear, whose Arctic ice hunting platforms are melting more each year, hold within their hibernating bodies possible keys to treatments of osteoporosis, renal failure, and diabetes, while cone snails’ enormous array of toxins have already yielded a new, addiction-free painkiller.

Extinction, Chivian said, would put similar useful discoveries out of reach. That was the case with two species of frog with the unusual breeding habit of the female swallowing her eggs and brooding them and the developing tadpoles in her stomach. Scientists were interested in the tadpoles because they secreted substances that kept them from

being digested that might be useful in the treatment of human ulcers. Both species have gone extinct, however, taking whatever chemical secrets they held with them.

“That information is gone forever,” Chivian said.

During his talk, Wilson said science is gaining a new understanding of the richness of life. Though 1.8 million species have been identified, it is thought that there are between 10 million and 100 million species on the planet, of everything from birds to plants to fungi to bacteria.

Extinction rates are increasing rapidly. The natural rate of extinction — which would occur without human interference — is roughly one species each year for every million species on Earth. That relatively low rate is balanced by a similar rate of species creation, Wilson said. The actual rate of extinction today is thought to be perhaps 1,000 times higher, with estimates ranging from 100 to 10,000 times higher.

The result, Wilson said, is that even as science gains a new understanding of the richness of life on Earth, that richness is being rapidly eroded by human activities. Wilson said we need to avoid reaching biodiversity “tipping points” where the extinction of a large percentage of the Earth’s species will occur rapidly.

Tipping points are in sight, he said, at a

handful of known global hot spots that hold concentrations of plants, animals, insects, and other creatures. Some of those hot spots are approaching 10 percent of their original size, a point at which studies have shown they can hold just half of their original species. Once they drop below 10 percent, Wilson said, the remaining species can be lost rapidly.

Despite that dismal picture there are reasons for optimism. Though the human population is projected to grow to 9 billion, it is expected to level off there, which Wilson said is a number the Earth can support. What’s important, however, is that we learn to curb our consumption of the Earth’s resources.

“We can handle that, but what we really have to curb is per capita consumption, particularly the reckless, unplanned, complete free market-based consumption, ... which will kill us,” Wilson said.

Wilson cited several other positive developments, such as the possibility of an environmentally sensitive president being elected in the United States, the growing recognition of the need for alternative energy sources, and today’s increasing environmental consciousness.

“This is not a fad; it is the march of history foreordained by the way we have covered the world,” Wilson said.

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'Legally Blonde The Musical'
comes to Harvard
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Century of music

'Crosscurrents' includes talks,
concerts, world premieres
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Braveheart

Justin Ide's photos document a
doctor's work in Lesotho
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concerts

Thu., Oct. 23—"Midday Organ Recital." (The Memorial Church, HAM) Christian Lane, assistant university organist and choirmaster, the Memorial Church. Adolphus Busch Hall, 29 Kirkland St., 12:15 p.m. Free and open to the public. Audience members are encouraged to bring a lunch. www.harvardartmuseum.org.

Thu., Oct. 23—"Houghton Library Chamber Music Series." (Houghton Library) Richard Stoltzman, clarinet; Yehudi Wyner, piano. Edison and Newman Room, Houghton Library, 8 p.m. Tickets are \$25 general; \$15 students. Harvard Box Office (617) 496-2222, (617) 495-2445, htc@harvard.edu.

Fri., Oct. 24—"Student Music Performance Series." (HAM) Sackler Museum, 485 Broadway, 3 p.m. Free with the price of admission. (617) 495-9400, www.harvardartmuseum.org.

Sat., Oct. 25—"Hespèrion XXI." (Harvard Box Office) Music from the time of Cervantes, directed by Jordi Savall, viola da gamba. Sanders Theatre, 8 p.m. Tickets are \$64/\$49/\$38/\$19 general; \$5 off students/senior citizens; other discounts available. Harvard Box Office (617) 496-2222.

Sun., Oct. 26—"An Evening with Leo Kottke." (Harvard Box Office) Leo Kottke, acoustic guitarist and storyteller.

(Continued on next page)

Calendar

Events for October 23-November 6, 2008

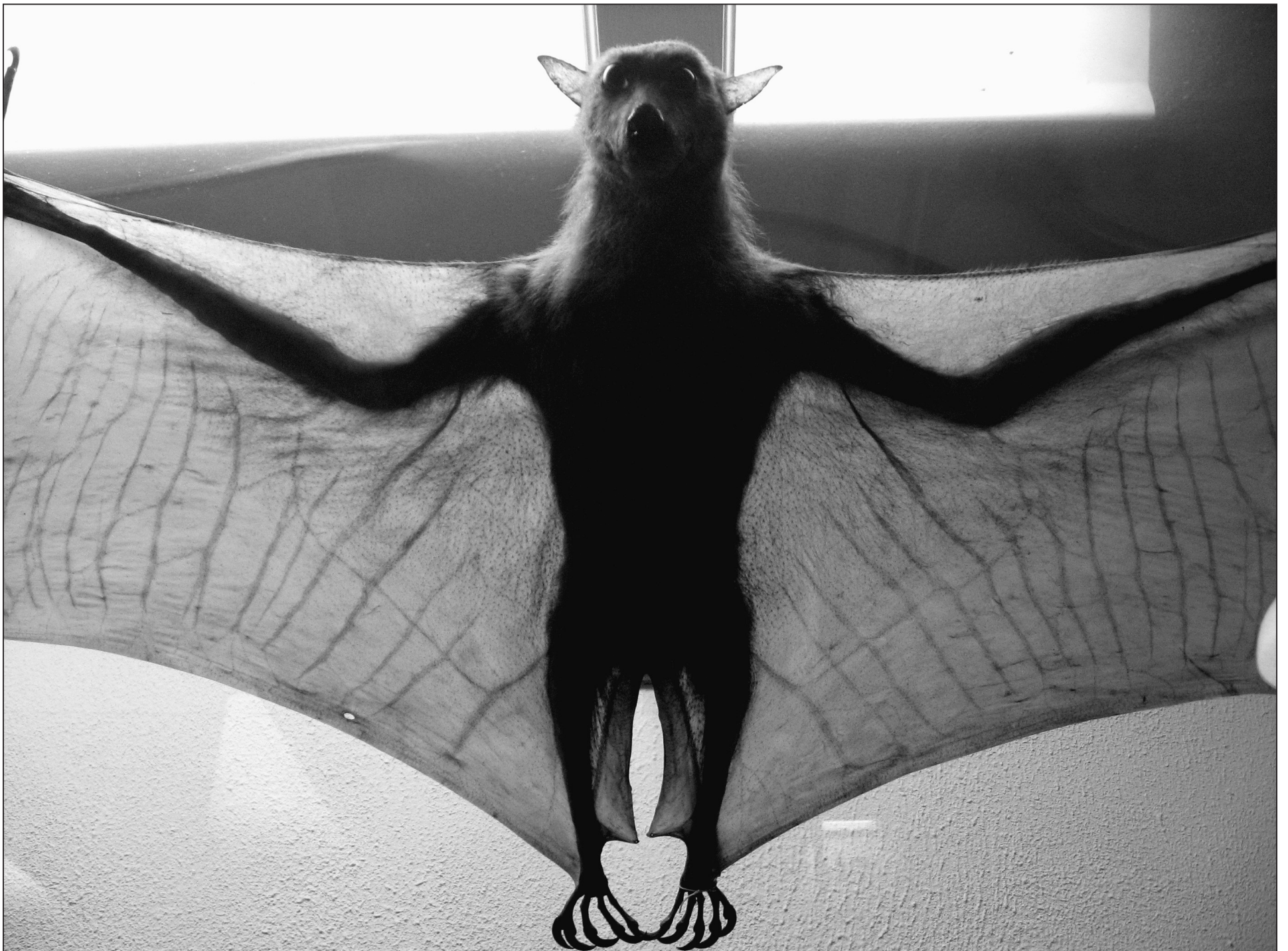


Photo by Adam Blanchette

The Harvard Museum of Natural History presents 'Fear Not: Halloween Exhibit Exploration' Friday, Oct. 24-Sunday, Nov. 2. The Halloween scavenger hunt is free with museum admission. Visit www.hmn.harvard.edu for details.

(Continued from previous page)
Sanders Theatre, 7 p.m. Tickets are \$35.75 general; \$32.75 obstructed view. Harvard Box Office (617) 496-2222.

Tue., Oct. 28—**“Sufism After Rumi: Past and Present in Turkey and the U.S. A Panel and Musical Performance.”** (CMES, CES) Mehmet Sanlikol, Robert Labaree, Jocelyne Cesari, and Virginia Danielson. A concert of Mevlevi music by DUNYA will close the program. Theater Room, Harvard Faculty Club, 20 Quincy St., 5:30 p.m. islamitw@fas.harvard.edu, ssstrattner@hds.harvard.edu, http://cmes.hmdc.harvard.edu/seminars/sle/islam.

Thu., Oct. 30—**“Midday Organ Recital.”** (The Memorial Church, HAM) Edward E. Jones, Gund University Organist and Choirmaster, the Memorial Church, Harvard University. Adolphus Busch Hall, 29 Kirkland St., 12:15 p.m. Free and open to the public. Audience members are encouraged to bring a lunch. www.harvardartmuseum.org.

Guidelines for listing events in Calendar

Events on campus sponsored by the University, its schools, departments, centers, organizations, and its recognized student groups are published every Thursday. Events sponsored by outside groups cannot be included. Admissions charges may apply for some events. Call the event sponsor for details.

To place a listing

Notices should be e-mailed, faxed, or mailed to the Calendar editor. Pertinent information includes: title of event, sponsoring organization, date, time, and location; and, if applicable, name of speaker(s), fee, refreshments, and registration information. A submission form is available at the front desk of the News Office, 1060 Holyoke Center. Promotional photographs with descriptions are welcome.

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Deadlines

Calendar listings must be received at least one week before their publication date. All entries must be received by 5 p.m. on Thursday. If you are uncertain about a deadline, holiday schedule, or any other information, please call the Calendar editor at (617) 496-2651.

Online

The Calendar is available on the Web at http://www.news.harvard.edu/gazette. Click on Calendar.

Available space

Listings for ongoing exhibitions, health and fitness classes, support and social groups, and screenings and studies are provided on a space-available basis. Information not run in a particular issue will be retained for later use.

Screenings/studies and support group listings must be renewed by Jan. 5 or Aug. 30 to continue running for an additional term.

Fri., Oct. 31—**“Student Music Performance Series.”** (HAM) Sackler Museum, 485 Broadway, 3 p.m. Free with the price of admission. (617) 495-9400, www.harvardartmuseum.org.

Fri., Oct. 31—**“Blodgett Artists-in-Residence: Chiara String Quartet.”** (Music, CES) Chiara String Quartet, Blodgett Artists-in-Residence. Featuring “Different Trains” by Steve Reich and other works. Paine Hall, 8 p.m. Also part of “Crosscurrents” conference; see conferences. Free and open to the public. Limit 2 tickets per person, valid until 7:45 p.m. Harvard Box Office (617) 496-2222. currents@fas.harvard.edu, www.crosscurrents08-09.org.

Fri., Oct. 31—**“Stravinsky, Mendelssohn, & Cooman.”** (Harvard-Radcliffe Orchestra) Stravinsky’s “Symphony in 3 Movements,” Mendelssohn’s “Symphony No. 3” (Scottish), Carson Cooman’s premiere of “Flying Machine.” Sanders Theatre, 8 p.m. Tickets are \$21/\$16/\$12 general; \$18/\$14/\$10 senior citizens; \$8 students. Harvard Box Office (617) 496-2222.

Fri., Oct. 31—**“Halloween Organ Recital.”** (The Memorial Church) Members of the Harvard Organ Society perform. The Memorial Church, Harvard Yard, midnight. Free and open to the public.

Sat., Nov. 1—**“Yes We Jam!”** (Harvard Krokodiloes, Harvard Radcliffe Veritones) Sanders Theatre, 8 p.m. Tickets are \$10 general; students \$7. Harvard Box Office (617) 496-2222.

Sun., Nov. 2—**“Israel at 60: Six Decades of Innovative Music.”** (Judaica Division, Harvard College Library) The Boston Modern Orchestra Project with conductor Gil Rose. Special guest Kenneth Radnofsky performs the world premiere of Betty Olivero’s saxophone concerto, “Kri’ot.” Also featuring Paul Ben-Haim, Mark Kopytman, Betty Olivero, and Joseph Tal. Sanders Theatre, 45 Quincy St., 3 p.m. Pre-concert talk by Avi Hanani, director of classical music, Israel Broadcasting Authority, 2 p.m. Tickets are \$45/\$35/\$25 general; \$15 students; 10 percent discount senior citizens. Harvard Box Office (617) 496-2222, http://boxoffice.harvard.edu. See also conferences.

Sun., Nov. 2—**E. Power Biggs Memorial Organ Recital. “The D.A. Flentrop Organ Turns 50.”** (Harvard Organ Society, HAM, Memorial Church, Music) Larry Palmer, Southern Methodist University. Adolphus Busch Hall, 29 Kirkland St., 7:30 p.m. Tickets are \$20 general; \$15 students/senior citizens/Outings & Innings; \$48 three-concert discount package. Harvard Box Office (617) 496-2222.

Thu., Nov. 6—**“Midday Organ Recital.”** (The Memorial Church, HAM) Ed Broms, concert organist. Adolphus Busch Hall, 29 Kirkland St., 12:15 p.m. Free and open to the public. Audience members are encouraged to bring a lunch. www.harvardartmuseum.org.

dance

Sat., Nov. 1—**“Kalpanam: Classical Imaginations.”** (Harvard South Asian Association) Lowell Lecture Hall, 17 Kirkland St., 8 p.m. Tickets are \$10 general; \$7 with Harvard ID. Day of show all tickets \$10. Harvard Box Office (617) 496-2222.

theater

Adams House Drama Society
Thu., Oct. 23-Sun., Oct. 26—**“The Goat, or Who Is Sylvia?”** is the Harvard premiere of Edward Albee’s Tony Award-winning play. One spouse’s affair with a goat sends the entire family into a frenzy of outrage and confusion. Not suitable for children under 15. —*Performances take place in the Adams House Pool Theatre, 13 Bow St., 8 p.m. Oct. 23-25; and 2 p.m. Oct. 25-26. Tickets are \$10 general; \$7 students. Harvard Box Office (617) 496-2222.*

American Repertory Theatre
Through Sun., Nov. 9—**“The Communist Dracula Pageant,”** by Americans, for Americans with hallucinations, phosphorescence, and bears, by Anne Washburn and directed by Anne Kauffman, draws from trial transcripts and from Romania’s rich folklore. The world premiere dramatizes the final days of Nicolae and Elena Ceausecu, the autocrats who ruled Romania from 1965 to 1989, and travels across Romanian myth and history through three time periods: 1989, 1976, and the fifteenth century.

■ Thu., Oct. 23—**“Under 35 Night.”** Post-show mingling at Sandrine’s Bistro.
■ Fri., Oct. 31—**“OUT at A.R.T. Night.”** For the GLBT community. Post-show mingling at Sandrine’s Bistro. —*Performances take place at Zero Arrow Theatre, corner of Arrow St. and Mass. Ave., various times. Tickets are \$25-79 general; \$25 students; \$10 off senior citizens; \$15 student rush; group discounts available. Hot Tix: Select performances to all productions have limited \$25 tickets available. Tickets are available through the A.R.T. Box Office (617) 547-8300, in person at the Loeb Drama Center Box Office, or www.amrep.org.*

Harvard-Radcliffe Dramatic Club
Fri., Oct. 24-Sun., Oct. 26—**“Harvard-Radcliffe Dramatic Club Centennial Weekend.”** Performances, discussions, and master classes. All workshops and classes are free and open to the public. Tickets for performances and the centennial gala available through the Harvard Box Office (617) 496-2222 or Loeb Box Office (617) 547-8300. E-mail HRDC100th@gmail.com or visit http://hrdctheater.com for full details of events.

Fri., Oct. 24-Sat., Nov. 1—**“The Hyacinth Macaw.”** The Harvard-Radcliffe Dramatic Club (HRDC) presents Mac Wellman’s fast-paced comedy contained inside a rich linguistic adventure — it’s a dense theatrical universe that probes an essential question: What happens to us when we are faced with extraordinary circumstances? Part of the HRDC centennial weekend, a series of performances, discussions, and master classes. E-mail HRDC100th@gmail.com or visit http://hrdctheater.com for details on all weekend events. —*Performances take place on the Main Stage, 64 Brattle St., various times. Tickets are \$12 general; \$8 students; \$8 senior citizens. Tickets available through the Harvard Box Office (617) 496-2222 or Loeb Box Office (617) 547-8300 or online at www.fas.harvard.edu/~tickets.*

New College Theatre
Fri., Oct. 24-Sun., Nov. 2—**“Mnemonic”** is a multimedia, multisensory production marking the 100th anniversary of the Harvard-Radcliffe Dramatic Club (HRDC). This original production explores themes of memory and origins through several interwoven narratives. Presented by HRDC and the Office for the Arts. Part of the HRDC centennial weekend, a series of performances, discussions, and master classes. E-mail HRDC100th@gmail.com or visit http://hrdctheater.com for details on all weekend events. —*Performances take place in the New College Theatre, 12 Holyoke St., 8 p.m., with 2:30 p.m. matinees Oct. 25 and Nov. 2. Tickets are \$12 general; \$8 students/senior citizens. Harvard Box Office (617) 496-2222.*

film

Sun., Oct. 26—**“Kingdom of Shadows.”** (Film Study Center, Carpenter Center) Tan’s “Kingdom of Shadows” (2000/2001) with director in person. Room B04, Carpenter Center, 24 Quincy St., 6 p.m. Followed by Q&A. Free and open to the public. www.ves.fas.harvard.edu.

Mon., Oct. 27—**“Crossing the Line.”** (Korea Institute) Screening of Gordon’s “Crossing the Line.” Discussion to follow with Nick Bonner, co-producer; chaired by Carter Eckert, Harvard University. Tsai Auditorium S010, CGIS South, 1730 Cambridge St., 6:15 p.m. Free and open to the public.

Mon., Oct. 27—**“Though I Am Gone.”** and **“Red Art.”** (Fairbank Center) Film showing and Q&A with Hu Jie, director. Room S050, CGIS South, 1730 Cambridge St., 6 p.m.

Thu., Oct. 30—**“Kabul Transit.”** (Asia Center) A film by David Edwards, Gregory Whitmore, and Maliha Zulfacar. Introduced by Thomas J. Barfield, Boston University. Room S153, 1st floor, CGIS South, 1730 Cambridge St., 4 p.m. See lectures, social sciences, for related talk on Oct. 31.

Fri., Oct. 31—**“Silhouette City.”** (HDS, CSWR) Screening of a recent documentary film about fundamentalism in America and its influence on American politics. Discussion to follow with Harvey G. Cox Jr., HDS. Common Room, CSWR, 42 Francis Ave., 3:30 p.m. jmccullom@hds.harvard.edu, www.hds.harvard.edu/cswr/index.html.

Wed., Nov. 5—**Movie Night at the Schlesinger Library. “Freaks.”** (Radcliffe Institute) Screening of Browning’s “Freaks” (1932). A discussion with Gerald Peary, Boston Phoenix, will follow. Radcliffe College Room, Schlesinger Library, 10 Garden St., Radcliffe Yard, 6 p.m. (617) 495-8647, www.radcliffe.edu.

Brazil Studies Program, DRCLAS
Film screenings take place in Tsai Auditorium, CGIS South, 1730 Cambridge St. Sponsored by the Brazil Studies Program, DRCLAS, and the Harvard Brazilian Organization.
Tue., Oct. 28—Waddington’s **“Viva São João!”** (2002) at 6 p.m.

The Coyote’s Trail Film Series, DRCLAS
Film screenings take place in Tsai Auditorium, CGIS South, 1730 Cambridge St. Sponsored by Latin American Studies. chbarron@fas.harvard.edu, www.drclas.harvard.edu.
Thu., Oct. 23—Becker’s **“Romántico”** (2005) at 6 p.m.

Harvard Film Archive
All films are screened in the Main Auditorium of the Carpenter Center for the Visual Arts, 24 Quincy St. Video presentations are presented in B-04, a smaller auditorium next to the main auditorium. Programs are subject to change; call for admission charges and details. The Film Archive publishes a schedule of films and events that is available at the Carpenter Center. (617) 495-4700, http://hcl.harvard.edu/hfa/.
Thu., Oct. 23—No screenings
Fri., Oct. 24—Minnelli’s **“The Bad and the Beautiful”** at 7 p.m.; Minnelli’s **“Two Weeks in Another Town”** at 9:15 p.m.
Sat., Oct. 25—Minnelli’s **“Some Came Running”** at 7 p.m.; Minnelli’s **“The Cobweb”** at 9:30 p.m.
Sun., Oct. 26—Minnelli’s **“The Four Horsemen of the Apocalypse”** at 3 p.m.; Minnelli’s **“Madame Bovary”** at 7 p.m.; Minnelli’s **“Tea and Sympathy”** at 9:15 p.m.
Mon., Oct. 27—Minnelli’s **“Home from the Hill”** at 7 p.m.
Tue., Oct. 28—Free VES screening: **“Playtime”** (1968) at 7 p.m.
Wed., Oct. 29—Free VES screening: **“The Belly of an Architect”** (1994) at 7 p.m.
Thu., Oct. 30—No screenings
Fri., Oct. 31—Minnelli’s **“The Clock”** at 7 p.m.; Minnelli’s **“The Courtship of Eddie’s Father”** at 9 p.m.

Real Colegio Complutense
Films are presented at Real Colegio Complutense, 26 Trowbridge St., in Spanish with English subtitles. Free and open to the public. (617) 495-3536, www.realcolegiocomplutense.harvard.edu.
Fri., Oct. 24—Saura’s **“Goya en Burdeos”** (1999) at 7:30 p.m.
Fri., Oct. 31—Arévalo’s **“Azuloscurocasinegro”** (2006) at 7:30 p.m.
Fri., Nov. 7—Buñuel’s **“El ángel exterminator”** (1962) at 7:30 p.m.

radio

Harvard Radio WHRB (95.3 FM)
WHRB presents the finest in classical, jazz, underground rock, news, and sports programming, and has 24-hour live

Internet streaming from its Web site. Program guide subscriptions are free. (617) 495-4818, mail@whrb.org, www.whrb.org.
“Hillbilly at Harvard”—Saturdays, 9 a.m.-1 p.m.

Living on Earth, National Public Radio’s journal of the environment, hosted by Steve Curwood, Department of Earth and Planetary Sciences, and produced in cooperation with Harvard University, is aired on more than 270 NPR stations nationally and on more than 400 outlets internationally. In eastern Massachusetts, the program airs Sunday, 7 a.m., WBUR 90.9 FM. (617) 868-8810, loe@npr.org, www.loe.org.

exhibitions

Arnold Arboretum
“Science in the Pleasure Ground” provides a captivating retrospective on the oldest arboretum in the nation. The central feature of the exhibit is an 8-foot by 15-foot scale model of the Arboretum that includes historical vignettes and

Calendar abbreviations

Where abbreviations appear in Calendar listings, the following list may be used to find the full name of the sponsoring organization.

Belfer Center for Science and International Affairs	BCSIA
Bunting Society of Institute Fellows	BSIF
Center for American Political Studies	CAPS
Center for European Studies	CES
Center for Government and International Studies	CGIS
Center for Jewish Studies	CJS
Center for Middle Eastern Studies	CMES
Center for Population and Development Studies	CPDS
Center for Quality of Care Research and Education	QCARE
Center for the Study of Values in Public Life	CSVPL
Center for the Study of World Religions	CSWR
Committee for the Concerns of Women at Harvard-Radcliffe	CCW
Committee on African Studies	CAS
Committee on Degrees in Women’s Studies	CDWS
Committee on Inner-Asian and Altaic Studies	CIAAS
Committee on Iranian Studies	CIS
David Rockefeller Center for Latin American Studies	DRCLAS
Division of Biological Sciences	DBS
Division of Health Sciences and Technology	DHST
East Asian Legal Studies Program	EALS
Graduate School of Design	GSD
Graduate School of Education	GSE
Harvard AIDS Institute	HAI
Harvard Art Museum	HAM
Harvard Buddhist Studies Forum	HBSF
Harvard College Library	HCL
Harvard Divinity School	HDS
Harvard Education Forum	HEF
Harvard Family Research Project	HFRP
Harvard Film Archive	HFA
Harvard Foundation for Intercultural and Race Relations	HFIRR
Harvard Gay and Lesbian Caucus	HGLC
Harvard Institute for International Development	HIID
Harvard International Office	HIO
Harvard Law School	HLS
Harvard Medical School	HMS
Harvard Museum of Natural History	HMNH
Harvard School of Dental Medicine	HSDM
Harvard School of Public Health	HSPH
Harvard-Smithsonian Center for Astrophysics	CfA
Harvard University Center for the Environment	HUCE
Institute of Politics	IOP
Kennedy School of Government	HKS
Law School Human Rights Program	LSHRP
Law School Program in Jewish Studies	LSPJS
Office for Information Technology	OIT
Office of International Education	OIE
Office of Work and Family	OWF
Philosophy of Education Research Center	PERC
Program on Information Resources Policy	PIRP
Program on International Conflict Analysis and Resolution	PICAR
Program on Nonviolent Sanctions and Cultural Survival	PNSCS
Program on U.S.-Japan Relations	USJRP
School of Engineering and Applied Sciences	SEAS
Technology & Entrepreneurship Center at Harvard	TECH
Trade Union Program	TUP
Ukrainian Research Institute	URI
United Ministry	UM
Weatherhead Center for International Affairs	WCFA

Important deadline information

The Gazette will not publish the week of Thanksgiving (Nov. 27). The Nov. 13 Calendar will list events happening through Dec. 11; the deadline for that issue is Thursday, Nov. 6, by 5 p.m. The deadline for the Dec. 4 issue will be Thursday, Nov. 20, by 5 p.m., due to the holiday. There will be NO exceptions. Please call (617) 496-2651 with any questions.

present-day attractions. (Ongoing)
—*Hunnewell Building, 125 Arborway, Jamaica Plain. Hours are Mon.-Fri., 9 a.m.-4 p.m.; Sat., 10 a.m.-4 p.m.; Sun., noon-4 p.m.; closed holidays. (617) 524-1718, www.arboretum.harvard.edu.*

“Twelve Months: Painting Through the Seasons” features paintings by Kate Cardamone portraying each month of the year. (Through Dec. 14)
—*Lecture hall, Hunnewell Building, 125 Arborway, Jamaica Plain. Call ahead for hours. (617) 524-1718, www.arboretum.harvard.edu.*

Cabot Science Library
“Birds Do It, Bees Do It, Even Roaming Caribou Do It: Migration in the Animal Kingdom” looks at the migration of mammals, birds, and insects, with an emphasis on how human behavior and activity impacts the movement of animals through the environment. (Through Jan. 22)
—*Cabot Science Library. (617) 496-5534.*

Carpenter Center
“Lossless” is a video installation by Rebecca Baron and Douglas Goodwin. The series of five pieces looks at the dematerialization of film into bits, exposing the residual effects of the process that makes file sharing possible. The project considers the impact of the digital age on filmmaking and film watching and the materiality and demateriality of film as an artistic medium. (Through Dec. 7)
—*Sert Gallery, Carpenter Center, 24 Quincy St. Hours are Tue.-Sun., 1-5 p.m. (617) 495-3251, tblanch@fas.harvard.edu, www.ves.fas.harvard.edu.*

“New Faculty Show” features work by Sanford Biggers, Taylor Davis, Greg Halpern, David Lobser, and Catherine Lord. From film and video to mixed media sculpture to animation and photography, the work in this show highlights the intersections between contemporary art and contemporary technologies to address contemporary concerns. (Through Oct. 23)
—*Main gallery, Carpenter Center, 24 Quincy St. Hours are Mon.-Sat., 9 a.m.-11 p.m.; Sun., noon-11 p.m. (617) 495-3251, tblanch@fas.harvard.edu, www.ves.fas.harvard.edu.*

“Three Easy Pieces” is an installation by Paul Chan using animation and video projection to probe historical concepts of utopia as well as to interrogate the psychological ramifications of the so-called war on terror. Chan’s pieces include “Happiness (Finally) After 35,000 Years of Civilization (After Henry Darger and Charles Fourier)”; “5th Light”; and “Baghdad in No Particular Order.” (Nov. 6-Jan. 4)
—*Main gallery, Carpenter Center, 24 Quincy St. Hours are Mon.-Sat., 9 a.m.-11 p.m.; Sun., noon-11 p.m. (617) 495-3251, tblanch@fas.harvard.edu, www.ves.fas.harvard.edu.*

Collection of Historical Scientific Instruments
“Time, Life, & Matter: Science in Cambridge” traces the development of scientific activity at Harvard, and explores how science was promoted or affected by religion, politics, philosophy, art, and commerce in the last 400 years. Featured objects include instruments connected to Galileo, Benjamin Franklin, William James, and Charles Lindbergh. (Ongoing)
—*Putnam Gallery, Science Center 136, 1 Oxford St. Free and open to the public. Children must be escorted by an adult. (617) 495-2779.*

Countway Library of Medicine
“Complementary Therapies: Masterworks of Chinese and Botanical

Medicine” is held in conjunction with “Grand Delusion?”, bringing to light some of the treasures of the collection and including the first Western texts dealing with Chinese medicine and acupuncture. (Through December 2008)
—*Center for the History of Medicine, Countway Library. (617) 432-6207, jack_eckert@hms.harvard.edu.*

“Grand Delusion? The History of Homeopathy in Boston” traces the developments of the history of homeopathy in Boston and Massachusetts and the contributions and experiences of its practitioners, in both conflict and concert with their regular medical colleagues. On exhibit are rare books and pamphlets, both supporting and attacking the homeopathic movement; a specimen of documents from an 1871 trial to expel homeopaths from the Massachusetts Medical Society; an early 20th century homeopathic medicine chest; and more. (Through December 2008)
—*Center for the History of Medicine, Countway Library. (617) 432-6207, jack_eckert@hms.harvard.edu.*

“The Warren Anatomical Museum” presents over 13,000 rare and unusual objects, including anatomical and pathological specimens, medical instruments, anatomical models, and medical memorabilia of famous physicians. (Ongoing)
—*Warren Museum Exhibition Gallery, 5th floor, Countway Library. (617) 432-6196.*

Du Bois Institute
“Sketches from the Shore” features new work by Lyle Ashton Harris inspired by his life in Ghana the past few years, as well as other recent works. The exhibit explores shifting concepts of African modernity and works range from evocative portraits to mixed media pieces comprised of video and collage, utilizing materials such as silver foil, silk organza, and Ghanaian funerary textiles. The show expresses the hybrid rhythms and sublime nuances of daily life. (Through Jan. 15)
—*Neil L. and Angelica Zander Rudenstine Gallery, Du Bois Institute, 104 Mt. Auburn St., 3R. (617) 495-8508, www.dubois.fas.harvard.edu.*

Fine Arts Library
“An Invaluable Partner...: From Fogg Museum Library to Fine Arts Library” presents a visual history of the collection from its beginnings in the 1927 Fogg building, through integration with Widener collections in 1962 and expansion into Werner Otto Hall in 1991. (Through Jan. 15)
—*Fine Arts Library. (617) 496-1502, rsennett@fas.harvard.edu.*

Graduate School of Education
“Runaway Nature” features Helen Chellin’s paintings of Hawaii volcanoes paired with raising awareness of increasing plastic pollution in the Pacific Ocean. www.helenchellin.com. (Oct. 27-Nov. 14)
—*Gutman Library, HGSE. www.gse.harvard.edu/library.*

Harvard Art Museum
■ Sackler Museum
“Re-View” presents extensive selections from the Fogg, Busch-Reisinger, and Sackler museums together for the first time. The survey features Western art from antiquity to the turn of the last century, Islamic and Asian art, and European and American art since 1900. (Ongoing)
—*The Sackler Museum is located at 485 Broadway. The Harvard Art Museum is open Mon.-Sat., 10 a.m.-5 p.m.; Sun., 1-5 p.m. Admission is \$9; \$7 for senior citizens; \$6 for college students with ID; free to Harvard ID holders, Cambridge Public Library card holders, members, and to people under 18*

years old; free to the public on Saturday mornings 10 a.m.-noon and every day after 4:30 p.m. Tours are given Mon.-Fri. at 12:15 and 2 p.m. (617) 495-9400, www.harvardartmuseum.org. NOTE: The Fogg and Busch-Reisinger closed to the public on June 30 for a renovation project lasting approximately five years. The Sackler will remain open during the renovation.

Harvard Museum of Natural History
“Arthropods: Creatures that Rule” brings together unique fossils and preserved specimens, large screen video presentations, striking color photographs and images from scanning electron microscopes, hands-on interactive games, and live creatures. It presents arthropods’ long evolutionary history and the incredible variety of their habitats, and showcases a range of arthropod adaptations, including the evolution of wings and the remarkable capacity to mimic both their surroundings and other animals. (Ongoing)

“Climate Change: Our Global Experiment” offers a fascinating look at how scientists study climate change and at the evidence of global warming and the impact of human activity. Visitors are encouraged to apply what they’ve learned via a dynamic computer simulation that allows them to make choices about energy use for the nation and the world and evaluate the consequences. (Ongoing)

“Dodos, Trilobites, & Meteorites: Treasures of Nature and Science at Harvard” features hundreds of specimens documenting two centuries of scientific exploration, including a 42-foot long Kronosaurus skeleton, and the world’s largest turtle shell, over 7 feet long and 6 million years old. (Ongoing)

“Language of Color” looks at the vastly different ways and reasons animals display color. This exhibition combines dramatic specimens from across the animal kingdom with computer interactives, hands-on activities, and a stunning display of live dart frogs. Visitors will learn how color and its perception have co-evolved, resulting in a complex and diverse palette used to camouflage, startle predators, mimic other animals, attract a mate, or intimidate a rival. (Through Sept. 6, 2009)

“Looking at Leaves: Photographs by Amanda Means” features dramatic black & white images of single leaves by New York photographer Amanda Means, a monument to the remarkable diversity and beauty of nature’s botanical forms. These detailed blow-ups were created by using the leaf itself in the same way as a photographic negative. The immediacy of the process gives the images an eerie intensity and adds to their compelling beauty. (Through Feb. 8, 2009)

“Mineral Gallery.” Over 5,000 minerals and gemstones on display including a 1,642 pound amethyst geode from Brazil. Touch meteorites from outer space. (Ongoing)

“Sea Creatures in Glass” features dozens of spectacular glass animals meticulously shaped and wired by artists Leopold and Rudolph Blaschka during the 19th century. Many of these glass marine animals are on display for the first time since Harvard’s acquisition of them in 1878. Combined with video, real scientific specimens, a recreation of the Blaschkas’ studio, and a rich assortment of memorabilia, these models of marine invertebrates offer intriguing insights into the history, personality, and artistry of the extraordinary men who created them. (Through Jan. 4, 2009)

“The Ware Collection of Glass Models of Plants” features the world famous

“Glass Flowers” created over five decades by glass artists Leopold and Rudolph Blaschka, 3,000 glass models of 847 plant species. (Ongoing)
—*The Harvard Museum of Natural History is located at 26 Oxford St. Public entrances to the museum are located between 24 and 26 Oxford St. and at 11 Divinity Ave. Open daily, 9 a.m.-5 p.m.; Closed Jan. 1, Thanksgiving Day, Dec. 24, and Dec. 25. Admission is \$9 for adults; \$7 for senior citizens and students; \$6 for children 3 to 18 years old; free for children under 3 years old. Group rates available with advance reservations; call (617) 495-2341. Free admission (for Massachusetts residents only) on Sun. mornings 9 a.m.-noon, except for groups, and free admission on Wed. afternoons, Sept.-May, 3-5 p.m. Free admission with a Bank of America credit card on the first full weekend of every month. (617) 495-3045, www.hmn.harvard.edu.*

Harvard Neighbors
“New work” at Harvard Neighbors Gallery features photography by Justin Ide and bronze sculptures by Silvina Mizrahi. (Through Nov. 5)
—*Harvard Neighbors Gallery, 17 Quincy St. Gallery open weekdays only; call (617) 495-4313 for hours. www.neighbors.harvard.edu.*

Holyoke Center
“Just One Thing” features photographs by Sarah Bettencourt created with a medium format film camera through a slow, deliberate process. The images focus one’s gaze on an isolated subject matter. (Through Nov. 5)
—*Holyoke Center Exhibition Space, Holyoke Center Arcade, 1350 Mass. Ave. Mon.-Fri., 8 a.m.-7:30 p.m.; Sat.-Sun., 9 a.m.-6 p.m. Free and open to the public. (617) 495-5214.*

Houghton Library
“Immersed in a ‘Different Atmosphere’: Reflections on Yaddo” focuses on the experiences of creative visitors to Yaddo, a writer/artist retreat created in 1900 by Spencer and Katrina Trask of Saratoga Springs, New York. Some of the more than 5,000 writers and artists who visited the retreat were Robert Lowell, Elizabeth Bishop, Thomas Wolfe, and James Laughlin. (Through Jan. 28)
—*Amy Lowell Room, Houghton Library. (617) 495-2449.*

“To Promote, To Learn, To Teach, To Please: Scientific Images in Early Modern Books” illustrates how images in early modern European books of science (1500-1750) were shaped not only by the needs of scientific communication but also by economic, social, and cultural considerations. Representative examples examine physical evidence both in the images themselves and in the books they illustrated. (Through Dec. 20)
—*Edison and Newman Room, Houghton Library. (617) 495-2444.*

Lamont Library
“2007-08 Winners of the Visiting Committee Prize for Undergraduate Book Collecting and The Philip Hofer Prize for Art and Book Collecting” features samplings of the prize-winning collections, along with personal commentary. (Through May 2009)
—*Lamont Library, second and third floors. (617) 495-2455.*

Loeb Music Library
“Nadia Boulanger and Her American Composition Students” focuses on Nadia Boulanger, one of the foremost composition teachers of the 20th century, especially her American ties and her influence on generations of American composers. Related to “Crosscurrents: American and European Music in Interaction, 1900-2000” Oct. 30-Nov. 1;

see conferences. www.crosscurrents08-09.org. (Oct. 30-July 1)
—*Richard F. French Gallery, Eda Kuhn Loeb Music Library, Fanny Mason Peabody Music Building. (617) 496-3359.*

Peabody Museum
“Change and Continuity: Hall of the North American Indian” explores how native peoples across the continent responded to the arrival of Europeans. (Ongoing)

“Día de los Muertos: The Day of the Dead” features special altar installations. See special events. (Nov. 1-30)

“Encounters with the Americas” explores native cultures of Mesoamerica before and after Spanish contact. It features original sculpture and plaster casts of Maya monuments as well as contemporary textiles from the Americas. (Ongoing)

“Fragile Memories: Images of Archaeology and Community at Copan, 1891-1900” presents the written and visual records of early expeditions to remote areas of Mexico and Central America, and the results of a two-year project to digitize more than 10,000 nineteenth century glass-plate negatives from those trips. (Through March 2009)

“From Nation to Nation: Examining Lewis and Clark’s Indian Collection” explores the only known surviving Indian objects brought back by Lewis and Clark and what they tell us about Lewis and Clark’s journey and the nations they encountered. (Through Sept. 29)

“Pacific Islands Hall” features a diverse array of artifacts brought to the museum by Boston’s maritime trade merchants. (Ongoing)

“Remembering Awatovi: The Story of an Archaeological Expedition in Northern Arizona, 1935-1939” goes behind the scenes of the last archaeological expedition of its kind at an ancient site sacred to the Hopi people. Part history of archaeology and part social history, the exhibit reveals what the archaeologists found in the village of Awatovi with its beautiful kiva murals and Spanish mission church, and how the archaeologists lived in “New Awatovi,” the camp they built for themselves beside the dig. The written and photographic records of “New Awatovi” add a new dimension to the discoveries of the dig itself. See also Tozzer Library. (Through March 30)

“Storyed Walls: Murals of the Americas” explores the spectacular wall paintings from the ancestral Hopi village kivas of Awatovi in Arizona; San Bartolo and Bonampak in Guatemala and Mexico respectively; and the Moche huacas of northern Peru. (Through Dec. 31, 2009)

—*The Peabody Museum is located at 11 Divinity Ave. Open daily, 9 a.m.-5 p.m. Admission is \$9 for adults; \$7 for senior citizens and students; \$6 for children 3 to 18 years old; free for children under 3 years old. Free admission (for Massachusetts residents only) on Sun. mornings 9 a.m.-noon, except for groups, and free admission on Wed. afternoons, Sept.-May, 3-5 p.m. The Peabody Museum is closed Jan. 1, Thanksgiving Day, Dec. 24, and Dec. 25. (617) 496-1027, www.peabody.harvard.edu.*

Pusey Library
“From the Amazon to the Volga: The Cartographic Representation of Rivers” examines how mapmakers from the 15th century to the early 20th century

(Continued on next page)

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sought to measure, track, and frame some of the major rivers of the world, including the Tigris and Euphrates, Amazon, Don, Danube, Nile, Congo, Rhine, Volga, and Mississippi. (Through Jan. 30)
—*Map Gallery Hall, Pusey Library. (617) 495-2417.*

“Through the Camera Lens: Theodore Roosevelt and the Art of Photography” commemorates the 150th anniversary of Theodore Roosevelt’s birth. (Through May 2009)
—*Pusey Library corridor, including the Theodore Roosevelt Gallery. Mon.-Fri., 9 a.m.-4:45 p.m. (617) 384-7938.*

Resichauer Institute
“Tapestry in Architecture: Creating Human Spaces” features work by artist Mitsuko Asakura, well-known for her innovative combination of Japanese traditional dyeing and weaving with the techniques of Western tapestry. (Through Nov. 14)
—*Japan Friends of Harvard Concourse, CGIS South Building, 1730 Cambridge St. Hours are Mon.-Fri., 8 a.m.-8 p.m. www.fas.harvard.edu/~rjjs.*

Schlesinger Library
“From Exclusion to Empowerment: Chinese American Women in New England.” (Through March 5)
—*Schlesinger Library, Radcliffe Yard, 10 Garden St. (617) 495-8647.*

Semitic Museum
“Ancient Cyprus: The Cesnola Collection at the Semitic Museum” comprises vessels, figurines, bronzes, and other artifacts dating from 2000 B.C. to 300 A.D. (Ongoing)

“Ancient Egypt: Magic and the Afterlife” introduces visitors to the Egyptian view of life after death through coffins, amulets, and funerary inscriptions. (Ongoing)

“The Houses of Ancient Israel: Domestic, Royal, Divine” is devoted to everyday life in Iron Age Israel (ca. 1200-600 BCE). Featured in the exhibit is a full-scale replica of a fully furnished, two-story village house. (Ongoing)

“Nuzi and the Hurrians: Fragments from a Forgotten Past” features over 100 objects detailing everyday life in Nuzi, which was located in Northeastern Iraq around 1400 B.C. (Ongoing)
—*Semitic Museum, 6 Divinity Ave. Open Mon.-Fri., 10 a.m.-4 p.m.; Sun., 1-4 p.m. Closed holiday weekends. Admission is free. (617) 495-4631.*

Tozzer Library
“Remembering Awatovi: The Story of an Archaeological Expedition in Northern Arizona, 1935-1939” goes behind the scenes of the last archaeological expedition of its kind at an ancient site sacred to the Hopi people. Part history of archaeology and part social history, the exhibit reveals what the archaeologists found in the village of Awatovi with its beautiful kiva murals and Spanish mission church, and how the archaeologists lived in “New Awatovi,” the camp they built for themselves beside the dig. The written and photographic records of “New Awatovi” add a new dimension to the discoveries of the dig itself. See also Peabody Museum. (Through March 30)
—*Tozzer Library Gallery, 21 Divinity Ave. (617) 495-2292, http://hcl.harvard.edu/libraries/#tozzer.*

lectures

art/design

Thu., Oct. 23—**“An Evening with Fiona Tan.”** (Carpenter Center) Fiona Tan, mixed media visual artist. Lecture hall, Carpenter Center, 24 Quincy St., 6 p.m. Reception to follow. Free and open to the public. (617) 495-3251, www.ves.fas.harvard.edu.

Mon., Oct. 27—**“The Act of Creation and the Spirit of a Place: A Holistic-Phenomenological Approach to Architecture.”** (Judaica Division, Harvard College Library) Nili Portugali, architect. Harvard Faculty Club, 20 Quincy St. 10

a.m. Part of the conference, “60 Years of Israeli Culture”; see conferences.

Mon., Oct. 27—**“Why Art Matters in Home Design.”** (GSD) Brown bag lunch with Jeremiah Eck, Eck/MacNeely Architects. Room 121, Gund Hall, GSD, 48 Quincy St., 1 p.m. elizabeth_england@harvard.edu.

Tue., Oct. 28—**“Overlooking the Visual.”** (GSD) Kathryn Moore, Birmingham City University, UK. Piper Auditorium, Gund Hall, GSD, 6:30 p.m. Free and open to the public.

Wed., Oct. 29—**“Free Lunchtime Tour of Ancient Egypt and Cyprus.”** (Semitic Museum) Semitic Museum, 6 Divinity Ave., 12:15 p.m. www.fas.harvard.edu/~semitic.

Wed., Oct. 29—**“Brasilia: Symbol of Modernity in an Era of Cultural Vibrancy.”** (HAM) Part of the “Cities: Their Art and Architecture” series. Mary Schneider Enriquez, consultant on Latin American art. Norton Lecture Hall, Sackler Museum, 485 Broadway, 6:30 p.m. Admission: series tickets are \$90 general; \$60 members; single lectures are \$18 general; \$12 members. Registration required at (617) 495-4544. If available, tickets will be sold at the door. Participants may dine at the Harvard Faculty Club, 20 Quincy St., following each lecture, where a dish inspired by the cuisine of the city being presented will be served. Reservations are required at (617) 495-5758. www.harvardartmuseum.org.

Thu., Oct. 30—**“Towards a New Theory of Life in Architecture.”** (GSD) Catherine Ingraham, Pratt Institute. Piper Auditorium, Gund Hall, GSD, 6:30 p.m. Free and open to the public.

Mon., Nov. 3—**“Borderline Art. Session 1 of 2: Border Music Scene.”** (DRCLAS) Josh Kun, music critic. Room S030, CGIS building, 1730 Cambridge St., 6 p.m. artforum@fas.harvard.edu, www.fas.harvard.edu/~artforum.

Tue., Nov. 4—**“Borderline Art. Session 2 of 2: Poetry and Architecture.”** (DRCLAS) Heriberto Yezpe, poet, and architect Rene Peralta, architect. Room S030, CGIS building, 1730 Cambridge St., 6 p.m. artforum@fas.harvard.edu, www.fas.harvard.edu/~artforum.

Wed., Nov. 5—**“motherhouse.”** (GSD) Ciro Najle, architect, GDB, Buenos Aires. Piper Auditorium, Gund Hall, GSD, 6:30 p.m. Free and open to the public.

business/law

Fri., Oct. 24—**“Managing China’s Growth: Opportunities and Challenges.”** (Fairbank Center) Huan Guocang, CEO, Primus Partners Limited. Room S153, CGIS South, 1730 Cambridge St., 12:15 p.m.

Mon., Oct. 27—**“Judicial Control of Constitutionality in Brazil.”** (HLS, DRCLAS) Justice Gilmar Ferreira Mendes, president of the Brazilian Supreme Court. Gray Room, Pound Hall, HLS, 1:30 p.m. Lecture followed by a Q&A and reception, approximately 2:30 p.m.

Wed., Oct. 29—**“Visions of Race in America in the Films of Ken Burns.”** (Charles Hamilton Houston Institute) Program will feature clips from several of Burns’ films, followed by a panel discussion and Q&A. Panelists are Ken Burns, filmmaker; Stanley Crouch, writer; Henry Louis Gates Jr., Du Bois Institute, Harvard University; Geoffrey C. Ward, biographer and historian; and moderator Charles J. Ogletree Jr., Charles Hamilton Houston Institute, HLS. Ames Courtroom, Austin Hall, HLS, 1515 Massachusetts Ave., 4 p.m. Free and open to the public. RSVP at (617) 495-8285 or www.charleshoustonhouston.org.

Wed., Oct. 29—**“South Africa’s Democracy: The Role of the Judiciary.”** (Committee on African Studies) Richard Goldstone, former chief justice, South African Constitutional Court, visiting professor, HLS. Room S020, concourse level, CGIS South, 1730 Cambridge St., 4:15 p.m. (617) 495-5265, cafrica@fas.harvard.edu.

Mon., Nov. 3—**“Speaking on Autism in China.”** (Harvard Project on Disability, EALS) Helen McCabe, Hobart and William Smith Colleges. Room 419, Pound Hall, HLS, 12:30 p.m. Light refreshments will be served.

conferences

Through Fri., Oct. 24—**“Defining New Frontiers To Eradicate Cancer.”** (HMS) The latest advances in cancer research and treatment will be presented by leading researchers and clinicians from around the world. Featuring keynote speaker Philip A. Sharp, Nobel laureate. Joseph B. Martin Conference Center, HMS, 77 Avenue Louis Pasteur. Register online at www.bidmc-cancersymposium.com or call (617) 337-9501 by Oct. 8.

Fri., Oct. 24-Sat., Oct. 25—**“Cell and Genome Stability Mechanisms in Cancer and Other Diseases.”** (Genetics and Complex Diseases, HSPH, and others) 11th Annual John B. Little Center for Radiation Sciences & Environmental Health Symposium. Snyder Auditorium, Kresge G-1, HSPH, 677 Huntington Ave., Fri.: 1-5:30 p.m.; Sat.: 9 a.m.-5 p.m. (617) 432-3763, gcdept@hsp.harvard.edu. Registration required by Oct. 17 at www.hsp.harvard.edu/research/jbl-center/jbl-symposium.

Fri., Oct. 24-Sat., Oct. 25—**“The Chinese Art of Enlivenment: A Symposium.”** (Rockefeller Fund, History of Art and Architecture, Harvard-Yenching

Oct. 28

‘Legally Blonde The Musical Comes to Harvard: A Conversation with the Cast and Creators of the Hit Broadway Musical’ takes place Tuesday (Oct. 28). Sponsored by Learning from Performers, Office for the Arts, and Hasty Pudding Theatricals. See special events, page 25, for details.

BELOW: Becky Gulsvig as Elle Woods



Institute, Fairbank Center) Opening address by Eugene Wang, Harvard University; closing remarks by Yukio Lippit, Harvard University. Tsai Auditorium S-010, CGIS South, 1730 Cambridge St., Fri.: 9:30 a.m.-5:45 p.m.; Sat.: 9:15 a.m.-5:50 p.m. miller9@fas.harvard.edu, www.fas.harvard.edu/~eaah/conferences/oct-2008/index.html.

Sat., Oct. 25—**“The European Landscape Convention: A Conference on its Implications for Education and Practice.”** (GSD) Piper Auditorium, GSD, 9 a.m.-4 p.m. Free and open to the public. Register by Oct. 15 by e-mailing shurley@gsd.harvard.edu.

Mon., Oct. 27-Wed., Oct. 29—**“Sixty Years of Israeli Culture: Creativity and Documentation.”** (Judaica Division, Harvard College Library) Harvard Faculty Club, 20 Quincy St., Mon.: 8 a.m.-10 p.m.; Tue.: 8 a.m.-7:30 p.m.; and Wed.: 8 a.m.-8 p.m.

Thu., Oct. 30-Fri., Oct. 31—**“Postcolonial Wars: Current Perspectives on the Deferred Violence of Decolonialization.”** (Radcliffe Institute) Day 1: “The Relationship Between the Nature of the Colonial Regime and the Wars That Followed”; Day 2: “The Relationship Between the Conduct of These Wars and the Postcolonial Landscape.” Radcliffe Gymnasium, 10 Garden St., Thu.: 9:30 a.m.-5:15 p.m.; Fri.: 9 a.m.-5:30 p.m. Free and open to the public. (617) 495-8600, www.radcliffe.edu.

Thu., Oct. 30-Sat., Nov. 1—**“Crosscurrents: American and European Music in Interaction, 1900-2000.”** (Music, CES) An international conference with concerts and an exhibition. Keynote: Thu., Oct. 30: “Decolonizing the Ear: The Work of Music in the Age of Electrical Reproduction,” Michael Denning, Yale University. CES, 27 Kirkland St., 4 p.m. Concert: Thu., Oct. 30: Amy Williams, Lisa Kaplan, Amy Briggs, and Winston Choi, featuring two world premieres. Paine Hall, 8 p.m., with pre-concert discussion at 7 p.m. with Betsy Jolas, French composer, and Vivian Perlis, Yale University. Concert: Fri., Oct. 31: Chiara String Quartet. Paine Hall, 8 p.m. Concert: Sat., Nov. 1: Bruce Brubaker, piano. Paine Hall, 4:30 p.m. Free and open to the public. currents@fas.harvard.edu, www.crosscurrents08-09.org.

Fri., Oct. 31-Sat., Nov. 1—**“Andy, 80? Considering the Warhol Legacies on His 80th Birthday.”** (HAM, History of Art and Architecture, Humanities Center) Douglas Crimp, University of Rochester; Thomas Crow, Institute of Fine Arts, New York University; Jennifer Doyle, University of California, Riverside; Hal Foster, Princeton University; Isabelle Graw, Städel Schule Frankfurt; Caroline Jones, Massachusetts Institute of Technology; Branden Joseph, Columbia University; and Richard Meyer, University of California, Irvine. Sackler Museum, 485 Broadway, Fri.: 4-8 p.m. (keynote address at 7 p.m.); Sat.: 10 a.m.-8 p.m. Free. (617) 495-9400, www.harvardartmuseum.org.

environmental sciences

Thu., Oct. 23—**“Dining Services’ Kitchens Tour.”** (Harvard University Dining Services) Tour the LEED-certified Dunster and Mather House kitchens, enjoy lunch in the dining hall, and hear about other “green” facility improvements already implemented or under consideration. Noon-1:30 p.m. E-mail crista_martin@harvard.edu to sign up. www.dining.harvard.edu.

Thu., Oct. 23—**“What Are They Thinking? Information, Persuasion, and the American Public’s Response to Climate Change.”** (CAPS) Arthur

Lupia, University of Michigan, and Jon Krosnick, Stanford University. Room K262, CGIS Knafel Building, 1737 Cambridge St., noon. caps@gov.harvard.edu.

Mon., Oct. 27—**“Which Way Will the Oil Flow? The Odesa-Brody Pipeline, Energy Politics and Policy Indecision in Ukraine.”** (HURI) Margarita Balmaceda, Seton Hall University. Room S050, CGIS South, 1730 Cambridge St., 4 p.m. (617) 495-4053, http://www.huri.harvard.edu/calendar.html.

Wed., Oct. 29—**“Optimal Environmental Policy Under Economic Fluctuations.”** (HKS) Garth Heutel, Harvard University. Room L-382, HKS, 79 JFK St., 4:10 p.m. (617) 496-8054, http://isites.harvard.edu/icb/icb.do?keyword=k40206.

Wed., Oct. 29—**“Future(s) of Conservation.”** (HMNH) Steven Sanderson, Wildlife Conservation Society. HMNH, 26 Oxford St., 6 p.m. Free and open to the public. (617) 495-2773, www.hmn.harvard.edu.

ethics

Tue., Oct. 28—**“Pro-Life Feminist VP Nominee: An Advance for Women?”** (Harvard Republican Club, Harvard Salient) Room 213, Sever Hall, 7:30 p.m.

Wed., Nov. 5—**“Building a Better Beast: Towards a Theory of Moral Responsibility.”** (Radcliffe Institute) Manuel Vargas, University of San Francisco, fellow, Radcliffe Institute. Radcliffe Yard, Radcliffe Gymnasium, 10 Garden St., 3:30 p.m. (617) 495-8647, www.radcliffe.edu.

Wed., Nov. 5—**“Human Rights in China: After the Olympics.”** (Cambridge Forum) Jianli Yang, survivor of Tiananmen Square massacre and a five-year prison term in China. First Parish, 3 Church St., 7:30 p.m. Free and open to the public.

health sciences

Thu., Oct. 23—**“Background of Breast Cancer.”** (HMS) Grace Wyshak, HSPH. Room 10, Harvard Faculty Club, 20 Quincy St., 7:45 a.m. Breakfast will be served.

Fri., Oct. 24—**“What Lies Behind Inequalities in Health? A Cross National Perspective.”** (CES) Panel discussion with Jason Beckfield, Harvard University; Sigrun Olafsdottir, Boston University; Lucy Barnes, HKS; Peter A. Hall, Harvard University; and Rosemary Taylor, Tufts University. Cabot Room, CES, 27 Kirkland St., 2:15 p.m. rtaylor@tufts.edu.

Mon., Nov. 3—**“Speaking on Autism in China.”** (Harvard Project on Disability, EALS) Helen McCabe, Hobart and William Smith Colleges. Room 419, Pound Hall, HLS, 12:30 p.m. Light refreshments will be served.

Medical School

Through Fri., Oct. 24—**“Defining New Frontiers To Eradicate Cancer.”** (HMS) The latest advances in cancer research and treatment will be presented by leading researchers and clinicians from around the world. Featuring keynote speaker Philip A. Sharp, Nobel laureate. Joseph B. Martin Conference Center, HMS, 77 Avenue Louis Pasteur. Register online at www.bidmc-cancersymposium.com or call (617) 337-9501 by Oct. 8.

Thu., Oct. 23—**“Balancing Culture, Technology and Medicine: The Case of Childbirth in America.”** (HMS) 33rd Annual Joseph Garland Lecture. Eugene R. Declercq, Boston University School of Public Health. Carl Walter Amphitheatre, TMEC, HMS, 5:30 p.m. (617) 432-4807, rvogel@hms.harvard.edu.

Tue., Oct. 28—**“Bacteria Provide the Template for Understanding Amyloid Fiber Formation.”** (Microbiology & Molecular Genetics) Matthew Chapman, University of Michigan. Room 341, Warren Alpert Building, HMS, 12:30 p.m. Coffee is served prior to the event at 12:15 p.m. shannon@hms.harvard.edu.

Tue., Oct. 28—**“Towards Fulfilling the Promise of Molecular Medicine in a**

Developmental Brain Disorder.” (Neurobiology) 12th Annual Edward R. and Anne G. Lefler Center Symposium. Mark F. Bear, Howard Hughes Medical Institute, Picower Institute for Learning and Memory, MIT. Armenise Amphitheater, HMS, 3:30 p.m.

Tue., Nov. 4—**“Mechanisms of Protein Translocation Across Membranes.”** (Microbiology & Molecular Genetics) Tom Rapoport, HHMI, HMS. Room 341, Warren Alpert Building, HMS, 12:30 p.m. Coffee is served prior to the event at 12:15 p.m. shannon@hms.harvard.edu.

Harvard School of Public Health Fri., Oct. 24-Sat., Oct. 25—**“Cell and Genome Stability Mechanisms in Cancer and Other Diseases.”** (Genetics and Complex Diseases, HSPH, and others) 11th Annual John B. Little Center for Radiation Sciences & Environmental Health Symposium. Snyder Auditorium, Kresge G-1, HSPH, 677 Huntington Ave., Fri.: 1-5:30 p.m.; Sat.: 9 a.m.-5 p.m. (617) 432-3763, gcoddept@hsph.harvard.edu. Registration required by Oct. 17 at www.hsph.harvard.edu/research/jbl-center/jbl-symposium.

Tue., Oct. 28—**“Development of a Genome-Wide shRNA Library for ‘Loss-of-Function’ Studies in Human Cells.”** (Molecular and Integrative Physiological Sciences) Hui Pan, HSPH. Room 1302, Building 1, HSPH, 665 Huntington Ave., 9:30 a.m.

Thu., Oct. 30—**“Epigenetics in Human Health and Disease.”** (Distinguished Lecture Series, Division of Biological Sciences) Randy L. Jirtle, Duke University. Room G12, FXB Building, HSPH, 665 Huntington Ave., 4 p.m. Reception at 3:30 p.m. prior to the lecture.

Tue., Nov. 4—**“Macrophage Killing of Intracellular Pathogen *Francisella tularensis*: Functional Genomic Analysis.”** (Molecular and Integrative Physiological Sciences) Hongwei Zhou, HSPH. Room 1302, Building 1, HSPH, 665 Huntington Ave., 9:30 a.m.

Thu., Nov. 6—**“The Intersections of Inflammation, Angiogenesis, and Tumor Formation: Expected and Unexpected Results.”** (Distinguished Lecture Series, Division of Biological Sciences) Randall Johnson, University of California, San Diego. Room G-12, FXB Building, HSPH, 665 Huntington Ave., 4:30 p.m. Reception at 5:30 p.m., following lecture.

humanities

Thu., Oct. 23—**“Writing Presence Into Absence: Study, Writing and Storytelling as Jewish Devotional.”** (HDS) Jordie Gerson, rabbinical student. CSWR Common Room, 42 Francis Ave., noon. Soup provided; please bring your own beverage. (617) 384-7571, jvon-wald@hds.harvard.edu.

Thu., Oct. 23—**The 2008 H.A.R. Gibb Arabic & Islamic Studies Lectures. “Moriscos in Granada: The Lead Books Affaire.”** (CMES) Mercedes García-Arenal, Centro de Ciencias Humanas y Sociales, CSIC, Madrid. Lecture 2 of 3: “Is Arabic an Islamic Language? The Debate from Granada to the Vatican.” Tsai Auditorium, CGIS S010, 1730 Cambridge St., 4 p.m. <http://cmes.hmdc.harvard.edu>.

Thu., Oct. 23—**“Writing and Censorship During the Japanese Colonial Period: The Strange Case of Yi Sang’s Poetry.”** (Korea Institute) YoungMin Kwon, Seoul National University, Korea. Room S250, CGIS South, 1730 Cambridge St., 4 p.m.

Thu., Oct. 23—**Lauro de Bosis Lecture 2 of 3. “On (and Around) Geryon (Inf. XVI-XVII).”** (Romance Languages and Literatures, Humanities Center) Carlo Ginzburg, Scuola Normale Superiore di Pisa. Room 133, Barker Center, 12 Quincy St., 4:15 p.m. www.fas.harvard.edu/~rll.

Thu., Oct. 23—**“Greek Sacrifice: The Big Issues.”** (Classics, Humanities Center) Robert Parker, New College, University of Oxford. Room 133, Barker Center, 12 Quincy St., 6 p.m.



Fri., Oct. 24—**“Bate-Papo.”** (DRCLAS) Members of the Harvard community practice their Portuguese skills and discuss Luso-Brazilian cultures in a round-table setting. CGIS Resource Room, 1730 Cambridge St., 4 p.m. cpastre@fas.harvard.edu.

Fri., Oct. 24—**Civic and Moral Education Colloquium Series. “Why It Is Critical That We are Critical; Contesting ‘Commonsense’ About Citizenship and Civic Education.”** (HGSE) Helen Haste. Eliot-Lyman Room, second floor, Longfellow Hall, HGSE, 2:15 p.m.

Fri., Oct. 24—**The 2008 H.A.R. Gibb Arabic & Islamic Studies Lectures. “Moriscos in Granada: The Lead Books Affaire.”** (CMES) Mercedes García-Arenal, Centro de Ciencias Humanas y Sociales, CSIC, Madrid. Lecture 3 of 3: “Singular Lives and Normal Exception: Between Granada and Fez.” Tsai Auditorium, CGIS S010, 1730 Cambridge St., 4 p.m. <http://cmes.hmdc.harvard.edu>.

Fri., Oct. 24—**“The Great 1830 Forgery Case: Metropolitan Clerks and Venality in Qing China.”** (Fairbank Center) Elisabeth Kaske, postdoctoral fellow. Room S153, CGIS South, 1730 Cambridge St., 4 p.m.

Fri., Oct. 24—**“Movement, Mimesis, and Musicality in the Films of Ogawa Shinsuke.”** (Reischauer Institute) Abé Marcus Nornes, University of Michigan, visiting professor, Harvard University. Seminar Room S050, Friends Concourse, CGIS South, 1730 Cambridge St., 4 p.m. www.fas.harvard.edu/~rjrs.

Sat., Oct. 25—**“Panel Discussion on New Directions in Contemporary Theatre.”** (HRDC) Featuring Diane Paulus, A.R.T. artistic director; Mac Wellman, playwright; and other HRDC alumni in theater. Part of the Harvard-Radcliffe Dramatic Club centennial weekend events. Mainstage, Loeb Drama Center, 4 p.m. Free and open to the public. E-mail HRDC100th@gmail.com or visit <http://hrdctheater.com> for full details of weekend events.

Sun., Oct. 26—**“The Moscow Protestant Chaplaincy: Putting Our Faith to Work.”** (Faith & Life Forum, The Memorial Church) The Rev. Robert K. Bronkema. Pusey Room, the Memorial Church, 9:30 a.m. Breakfast and conversation at 9 a.m.; discussion following the program at 10:30 a.m. (617) 496-1643, daustin@fas.harvard.edu, leslie_kress@harvard.edu.

Sun., Oct. 26—**“The Salem Witch Hysteria and the Repentance of Judge Samuel Sewall.”** (Humanist Chaplaincy) Eve Laplante, author. Phillips Brooks House, Harvard Yard, 1:30 p.m. Free and open to the public. (617) 547-1497.

Mon., Oct. 27—**“The Ambiguous Emergence of American Pharmaceutical Regulation, 1947-1961.”** (Warren Center) Daniel Carpenter, Harvard University. History Library, 1st floor, Robinson Hall, 4 p.m. Pre-circulated paper at www.fas.harvard.edu/~polecon.

Mon., Oct. 27—**“New Research for an Ancient Egyptian Site: The Giza Pyramids and Harvard University.”** (FAS) Peter Der Manuelian, Museum of Fine Arts. Thompson Room, Barker Center, 12 Quincy St., 4:15 p.m.

Mon., Oct. 27—**“What Is It Like To Be a Bodhisattva? Moral Phenomenology in Santideva’s Bodhicaryavatara.”** (Harvard Buddhist Studies Forum, HDS) Jay Garfield, Smith College. Room 133, Barker Center, 12 Quincy St., 4:15 p.m. schapiro@fas.harvard.edu, www.fas.harvard.edu/~csrel/bsf.

Tue., Oct. 28—**“Sufism After Rumi: Past and Present in Turkey and the U.S. A Panel and Musical Performance.”** (CMES, CES) Mehmet Sanlikol, Robert Labaree, Jocelyne Cesari, and Virginia Danielson. A concert of Mevlevi music by DUNYA will close the program. Theater Room, Harvard Faculty Club, 20 Quincy St., 5:30 p.m. islamitw@fas.harvard.edu, sstrattner@hds.harvard.edu, <http://cmes.hmdc.harvard.edu/seminars/sle/islam>.

Tue., Oct. 28—**“The Self in Advaita.”** (Hindu Studies) Chakravarthi Ram-Prasad, Lancaster University. Thompson Room, Barker Center, 12 Quincy St., 7:30 p.m. Light refreshments served. (617) 495-4486, dcotter@hds.harvard.edu.

Wed., Oct. 29—**“Kongo Ambassadors, Papal Politics and Italian Images of Black Africans in the Early 1600s.”** (Du Bois Institute) Paul Kaplan, Purchase College, SUNY. Thompson Room, Barker Center, 12 Quincy St., noon. www.dubois.fas.harvard.edu.

Wed., Oct. 29—**“Erlitou: A Major Focus for the Study of State Formation in Early China.”** (Asia Center, GSAS, Anthropology, East Asian Languages and Civilizations) Xu Hong, CASS, IOA. Peabody Museum 14A, 11 Divinity Ave., 5 p.m. miller9@fas.harvard.edu.

Wed., Oct. 29—**“Divine and Human Persons: Comparative Reflections on Some Hindu and Christian Understandings of Self.”** (CSWR, HDS) Chakravarthi Ram-Prasad, Lancaster University. Hosted by Francis X. Clooney, HDS. CSWR Common Room, 42 Francis Ave., 5:15 p.m. (617) 495-4476, www.hds.harvard.edu/cswr/index.html.

Wed., Oct. 29—**“Vacillation by W.B. Yeats.”** (Humanities Center) Helen Vendler, Harvard University. Thompson Room, Barker Center, 12 Quincy St., 6 p.m. Seating is limited. www.fas.harvard.edu/~humcentr.

Wed., Oct. 29—**“Brasilia: Symbol of Modernity in an Era of Cultural Vibrancy.”** (HAM) Part of the “Cities: Their Art and Architecture” series. Mary Schneider Enriquez, consultant on Latin American art. Norton Lecture Hall, Sackler Museum, 485 Broadway, 6:30 p.m. Admission: series tickets are \$90 general; \$60 members; single lectures are \$18 general; \$12 members. Registration required at (617) 495-4544. If available, tickets will be sold at the door. Participants may dine at the Harvard Faculty Club, 20 Quincy St., following each lecture, where a dish inspired by the cuisine of the city being

presented will be served. Reservations are required at (617) 495-5758. www.harvardartmuseum.org.

Thu., Oct. 30—**“Decolonizing the Ear: The Work of Music in the Age of Electrical Reproduction.”** (Music, CES) Keynote lecture by Michael Denning, Yale University. CES, 27 Kirkland St., 4 p.m. Part of “Crosscurrents” conference; see conferences. Free and open to the public. currents@fas.harvard.edu, www.crosscurrents08-09.org.

Thu., Oct. 30—**“Crosscurrents: American and European Music in Interaction, 1900-2000.”** (CES, Music) Pre-concert discussion with Betsy Jolas, French composer, and Vivian Perlis, Yale University. Part of “Crosscurrents” conference; see conferences. Paine Hall, 7 p.m. currents@fas.harvard.edu, <http://crosscurrents08-09.org/program.php>.

Thu., Oct. 30—**The Ingersoll Lecture on Immortality. “From Resurrection to Immortality: Theological and Political Implications in Modern Jewish Thought.”** (HDS) Leora Batnitzky, Princeton University. Sperry Room, Andover Hall, HDS, 5:15 p.m. Reception to follow in Braun Room. (617) 384-8394, jmccullom@hds.harvard.edu.

Mon., Nov. 3—**“The Past Meets the Present: Recreating Monuments of Kyivan Rus’ in Ukraine.”** (HURI) Olenka Pevny, University of Richmond. Room S050, CGIS South, 1730 Cambridge St., 4 p.m. (617) 495-4053, www.huri.harvard.edu/calendar.html.

Mon., Nov. 3—**“Stokely Carmichael: Race, Democracy, and Postwar America, 1941-1969.”** (Warren Center) Peniel Joseph, Brandeis University, Warren Fellow. History Library, first floor, Robinson Hall, 4 p.m. Pre-circulated paper at www.fas.harvard.edu/~cwc. E-mail lkennedy@fas.harvard.edu for pass-word.

Mon., Nov. 3—**“The Language Murderer.”** (Humanities Center) Gwyneth Lewis, poet, fellow, Radcliffe Institute, in conversation with Catherine McKenna, Harvard University. Thompson Room, Barker Center, 12 Quincy St., 6 p.m. Open to the public. Seating is limited. Booksigning to follow. www.fas.harvard.edu/~humcentr.

Wed., Nov. 5—**“Moral Worlds and Religious Subjectivities: Perspectives From Hindu Studies.”** (CSWR) Leela Prasad, Duke University. Response offered by Thomas Lewis, Brown University. CSWR Common Room, 42 Francis Ave., 11:30 a.m. Reservations required at (617) 495-4476 or www.hds.harvard.edu/cswr.

Wed., Nov. 5—**“Nature, Myth, History: Things Fall Apart in Retrospect.”** (Du Bois Institute) F. Abiola Irele, Harvard University. Thompson Room, Barker Center, 12 Quincy St., noon. www.dubois.fas.harvard.edu.

Wed., Nov. 5—**“Language Policy in Central Asia and Azerbaijan in the Post-Soviet Era.”** (Committee on Inner Asian and Altaic Studies) William Fierman, Indiana University, Bloomington. Room S250, CGIS South, 1730 Cambridge St., 1 p.m. Free and open to the public.

Oct. 29
The Charles
Hamilton Houston
Institute at Harvard
Law School presents
‘Visions of Race in
America in the Films
of Ken Burns’
Wednesday (Oct. 29)
at 4 p.m. Program will
feature clips from
several of Burns’
films, followed by a
panel discussion and
Q&A. Free and open
to the public. RSVP at
(617) 495-8285 or
www.charleshamiltonhouston.org. See
business/law, page
22.

Bring lunch; snacks will be provided. www.fas.harvard.edu/~iaas/.

Wed., Nov. 5—**“Building a Better Beast: Towards a Theory of Moral Responsibility.”** (Radcliffe Institute) Manuel Vargas, University of San Francisco, fellow, Radcliffe Institute. Radcliffe Yard, Radcliffe Gymnasium, 10 Garden St., 3:30 p.m. (617) 495-8647, www.radcliffe.edu.

Wed., Nov. 5—**“Rethinking Migration from the Brazilian Northeast to the Amazon: Historical Trends from World War II.”** (DRCLAS) Seth Garfield, University of Texas, Austin. Room S250, second floor, CGIS South, 1730 Cambridge St., 6 p.m. karl@fas.harvard.edu, <http://drclas.harvard.edu/events>.

Thu., Nov. 6—**“Autobiography Out of Empire.”** (Committee on Ethnic Studies) Lisa Lowe, University of California, San Diego. Room S020, CGIS South, 1730 Cambridge St., 4:15 p.m.

information technology
Mon., Oct. 27—**Dean’s Lecture Series. “Can’t You See I’m Busy? Computers That Know When To Interrupt.”** (Radcliffe Institute) Barbara J. Grosz, SEAS and dean, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., 4:15 p.m. Free and open to the public. (617) 495-8600, www.radcliffe.edu.

poetry/prose
Thu., Oct. 23—**“Poetry Reading.”** (Davis Center) A reading by poet Alexandra Petrova. Room 114, Kresge Room, Barker Center, 12 Quincy St., 4:15 p.m.

Wed., Oct. 29—**“Vacillation by W.B. Yeats.”** (Humanities Center) Helen Vendler, Harvard University. Thompson Room, Barker Center, 12 Quincy St., 6 p.m. Seating is limited. www.fas.harvard.edu/~humcentr.

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science
Fri., Oct. 24—**Microbial Sciences Initiative Chalk-talk. “Insect-Bacterial Mutualisms.”** (MSI) John Clardy, HMS. Room 310, HUCE, 24 Oxford St., 8:30 a.m. Free and open to the public. (617) 495-8643, herren@fas.harvard.edu, www.msi.harvard.edu/events.html.

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Wed., Oct. 29—**“New Directions in Nanoscience.”** (Radcliffe Institute) Katharina Al-Shamery, Carl von Ossietzky University, Germany, fellow, Radcliffe Institute. Radcliffe Gymnasium, 10

(Continued on next page)

(Continued from previous page)
Garden St., 3:30 p.m. Free and open to the public. (617) 495-8212, www.radcliffe.edu.

Wed., Oct. 29—**“Future(s) of Conservation.”** (HMNH) Steven Sanderson, Wildlife Conservation Society. HMNH, 26 Oxford St., 6 p.m. Free and open to the public. (617) 495-2773, www.hmnh.harvard.edu.

social sciences

Thu., Oct. 23—**“What Are They Thinking? Information, Persuasion, and the American Public’s Response to Climate Change.”** (CAPS) Arthur Lupia, University of Michigan, and Jon Krosnick, Stanford University. Room K262, CGIS Knafel Building, 1737 Cambridge St., noon. caps@gov.harvard.edu.

Thu., Oct. 23—**“Brazil Update.”** (Brazil Studies Program, DRCLAS) *Conversa* with Riordan Roett, Johns Hopkins University; moderated by Steven Levitsky, Harvard University. Room S-050, CGIS South, 1730 Cambridge St., 12:15 p.m.

Thu., Oct. 23—**“The Size of the State.”** (Belfer Center’s International Security Program) Brown bag seminar with Richard Rosecrance, HKS. Belfer Center Library, Littauer 369, HKS, 12:15 p.m. Coffee and tea provided. <http://belfer-center.ksg.harvard.edu/events/3741/>.

Thu., Oct. 23—**The 2008 H.A.R. Gibb Arabic & Islamic Studies Lectures. “Moriscos in Granada: The Lead Books Affaire.”** (CMES) Mercedes García-Arenal, Centro de Ciencias Humanas y Sociales, CSIC, Madrid. Lecture 3 of 3: “Singular Lives and Normal Exception: Between Granada and Fez.” Tsai Auditorium, CGIS S010, 1730 Cambridge St., 4 p.m. <http://cmes.hmdc.harvard.edu>.

Thu., Oct. 23—**“Multiculturalism, Anti-Multiculturalism and Post-Multiculturalism: New Debates on Citizenship and Diversity in Western Societies.”** (Canada Seminar, WCFA) Will Kymlicka, Queen’s University. Room S020, CGIS South, 1730 Cambridge St., 4 p.m.

Thu., Oct. 23—**“Second/Third Wave Feminism: The Case of Helen Gurley Brown.”** (Radcliffe Institute) Jennifer Scanlon, Bowdoin College, with commentary by Alice Jardine, Harvard University. Radcliffe College Room, Schlesinger Library, 10 Garden St., 5:30 p.m. (617) 495-8647, www.radcliffe.edu.

Thu., Oct. 23—**Jeanne S. Chall Lecture. “The Literacy Achievement Gap: Research Evidence for Policy and Practice.”** (HGSE) Dorothy Strickland, Rutgers Graduate School of Education. Introduction by Kathleen McCartney, dean, HGSE. Gutman Conference Center, HGSE, 6 Appian Way, 5:30 p.m. Reception and announcement of the Jeanne S. Chall Doctoral Student Research Award to Kathleen Spencer and research grant to Julianne Scott will follow. Free and open to the public. (617) 496-7748.

Thu., Oct. 23—**“Finding His Focus: The Extraordinary Robert Burkitt in Copán.”** (Peabody Museum) Elin Danien, University of Pennsylvania Museum of Archaeology and Anthropology. Geological Lecture Hall, 24 Oxford St., 5:30 p.m. Reception to follow in Peabody Museum, 11 Divinity Ave. Free and open to the public. (617) 496-1027, www.peabody.harvard.edu.

Thu., Oct. 23—**“At the Royal Court of Ebla, Syria, 24th Century BC.”** (Semitic Museum, Near Eastern Languages and Civilizations) Maria Giovanna Biga, University of Rome La Sapienza. Fairchild Hall, 7 Divinity Ave., 7 p.m. Reception to precede lecture, Semitic Museum, 6 Divinity Ave., 6:15 p.m. Free and open to the public. (617) 495-4631, davis4@fas.harvard.edu.

Fri., Oct. 24—**“Managing China’s Growth: Opportunities and Challenges.”** (Fairbank Center) Huan Guocang, CEO, Primus Partners Limited. Room S153, CGIS South, 1730 Cambridge St., 12:15 p.m.

Fri., Oct. 24—**“What Lies Behind Inequalities in Health? A Cross National Perspective.”** (CES) Panel discussion with Jason Beckfield, Harvard University; Sigrun Olafsdottir, Boston University; Lucy Barnes, HKS; Peter A. Hall, Harvard University; and Rosemary Taylor, Tufts University. Cabot Room, CES, 27 Kirkland St., 2:15 p.m. rtaylor@tufts.edu.

Fri., Oct. 24—**Civic and Moral Education Colloquium Series. “Why It Is Critical That We are Critical; Contesting ‘Commonsense’ About Citizenship and Civic Education.”** (HGSE) Helen Haste. Eliot-Lyman Room, second floor, Longfellow Hall, HGSE, 2:15 p.m.

Fri., Oct. 24—**“Bate-Papo.”** (DRCLAS) Members of the Harvard community practice their Portuguese skills and discuss Luso-Brazilian cultures in a round-table setting. CGIS Resource Room, 1730 Cambridge St., 4 p.m. cpastre@fas.harvard.edu.

Fri., Oct. 24—**The 2008 H.A.R. Gibb Arabic & Islamic Studies Lectures. “Moriscos in Granada: The Lead Books Affaire.”** (CMES) Mercedes García-Arenal, Centro de Ciencias Humanas y Sociales, CSIC, Madrid. Lecture 3 of 3: “Singular Lives and Normal Exception: Between Granada and Fez.” Tsai Auditorium, CGIS S010, 1730 Cambridge St., 4 p.m. <http://cmes.hmdc.harvard.edu>.

Fri., Oct. 24—**“The Great 1830 Forgery Case: Metropolitan Clerks and Venality in Qing China.”** (Fairbank Center) Elisabeth Kaske, postdoctoral fellow. Room S153, CGIS South, 1730 Cambridge St., 4 p.m.

Sun., Oct. 26—**“The Salem Witch Hysteria and the Repentance of Judge Samuel Sewall.”** (Humanist Chaplaincy) Eve Laplante, author. Phillips Brooks House, Harvard Yard, 1:30 p.m. Free and open to the public. (617) 547-1497.

Mon., Oct. 27—**“The Ambiguous Emergence of American Pharmaceutical Regulation, 1947-1961.”** (Warren Center) Daniel Carpenter, Harvard University. History Library, 1st floor, Robinson Hall, 4 p.m. Pre-circulated paper at www.fas.harvard.edu/~polecon.

Mon., Oct. 27—**“Which Way Will the Oil Flow? The Odesa-Brody Pipeline, Energy Politics and Policy Indecision in Ukraine.”** (HURI) Margarita Balmaceda, Seton Hall University. Room S050, CGIS South, 1730 Cambridge St., 4 p.m. (617) 495-4053, <http://www.huri.harvard.edu/calendar.html>.

Mon., Oct. 27—**“Did Reagan’s ‘Star Wars’ Missile-Defense Program Help Win the Cold War? Evidence from Formerly Classified Soviet Documents.”** (Davis Center) Pavel Podvig, Stanford University. Room S354, 3rd Floor, 1730 Cambridge St., 4:15 p.m.

Mon., Oct. 27—**“New Research for an Ancient Egyptian Site: The Giza Pyramids and Harvard University.”** (FAS) Peter Der Manuelian, Museum of Fine Arts. Thompson Room, Barker Center, 12 Quincy St., 4:15 p.m.

Mon., Oct. 27—**“What Is It Like To Be a Bodhisattva? Moral Phenomenology in Santideva’s Bodhicaryavatara.”** (Harvard Buddhist Studies Forum, HDS) Jay Garfield, Smith College. Room 133, Barker Center, 12 Quincy St., 4:15 p.m. schapiro@fas.harvard.edu, www.fas.harvard.edu/~csrel/bsf.

Mon., Oct. 27—**“Crossing the Line.”** (Korea Institute) Screening of Gordon’s “Crossing the Line.” Discussion to follow with Nick Bonner, co-producer; chaired by Carter Eckert, Harvard University. Tsai Auditorium S010, CGIS South, 1730 Cambridge St., 6:15 p.m. Free and open to the public.

Tue., Oct. 28—**“Radical Democracy in the Andes: Indigenous Peoples Experiences in Local Government.”** (DRCLAS, WCFA) Donna Lee Van Cott, University of Connecticut. 1730

Cambridge St., noon. Discussion to follow. smtesor@fas.harvard.edu.

Tue., Oct. 28—**“Is There Still a Role for Europe in the 21st Century?”** (CES, Kokkalis Program, WCFA) Alain Lamassoure, member, European Parliament and EPP Bureau. Lower level conference room, CES, 27 Kirkland St., 2:15 p.m. euseries@fas.harvard.edu.

Tue., Oct. 28—**“Putin, Power, and the New Russia.”** (WCFA) Marshall Goldman, Davis Center, Harvard University. Room N262, CGIS, 1737 Cambridge St., 4 p.m.

Tue., Oct. 28—**“Illegal Labor Migration from Central Asia to the United States.”** (Davis Center) Saltanat Liebert, Virginia Commonwealth University. Room S354, 3rd floor, 1730 Cambridge St., 4:15 p.m.

Tue., Oct. 28—**“First-Comers and Late-Comers: Mobility, Land, and Belonging in the West African Savanna.”** (Committee on African Studies) Carola Lentz, Universität Mainz. Room S250, CGIS South, 1730 Cambridge St., 4:15 p.m. (617) 495-5265, cafrica@fas.harvard.edu.

Tue., Oct. 28—**“Sufism After Rumi: Past and Present in Turkey and the U.S. A Panel and Musical Performance.”** (CMES, CES) Mehmet Sanlikol, Robert Labaree, Jocelyne Cesari, and Virginia Danielson. A concert of Mevlevi music by DUNYA will close the program. Theater Room, Harvard Faculty Club, 20 Quincy St., 5:30 p.m. islamitw@fas.harvard.edu, [sstrattner@hds.harvard.edu](http://cmes.hmdc.harvard.edu/seminars/sle/islam), <http://cmes.hmdc.harvard.edu/seminars/sle/islam>.

Tue., Oct. 28—**“School, Family, and Community Partnerships.”** (Harvard Phi Delta Kappa) Karen Mapp, HGSE; Anne Larkin, *emerita*, Lesley University School of Education, and Cambridge Chapter of Say Yes to Education; Maria Mossaides, Cambridge Family & Children’s Services; Keith Catone, HGSE; and (facilitator) Helen Jane Malone, Phi Delta Kappa International. Eliot Lyman Room, 2nd floor, Longfellow Building, HGSE, Appian Way, 5:30 p.m. Free and open to the public. (202) 445-4008.

Tue., Oct. 28—**“Pro-Life Feminist VP Nominee: An Advance for Women?”** (Harvard Republican Club, Harvard Salient) Room 213, Sever Hall, 7:30 p.m.

Tue., Oct. 28—**“The Self in Advaita.”** (Hindu Studies) Chakravarthi Ram-Prasad, Lancaster University. Thompson Room, Barker Center, 12 Quincy St., 7:30 p.m. Light refreshments served. (617) 495-4486, dcotter@hds.harvard.edu.

Wed., Oct. 29—**“Hitler’s Regiment in the First World War.”** (CES) Thomas Weber, visiting scholar, CES. Cabot Room, CES, 27 Kirkland St., 12:30 p.m. art.goldhammer@gmail.com.

Wed., Oct. 29—**“Visions of Race in America in the Films of Ken Burns.”** (Charles Hamilton Houston Institute) Program will feature clips from several of Burns’ films, followed by a panel discussion and Q&A. Panelists are Ken Burns, filmmaker; Stanley Crouch, writer; Henry Louis Gates Jr., Du Bois Institute, Harvard University; Geoffrey C. Ward, biographer and historian; and moderator Charles J. Ogletree Jr., Charles Hamilton Houston Institute, HLS. Ames Courtroom, Austin Hall, HLS, 1515 Massachusetts Ave., 4 p.m. Free and open to the public. RSVP at (617) 495-8285 or www.charleshamiltonhouston.org.

Wed., Oct. 29—**“South Africa’s Democracy: The Role of the Judiciary.”** (Committee on African Studies) Richard Goldstone, former chief justice, South African Constitutional Court, visiting professor, HLS. Room S020, concourse level, CGIS South, 1730 Cambridge St., 4:15 p.m. (617) 495-5265, cafrica@fas.harvard.edu.

Wed., Oct. 29—**“Turkey’s Challenges: A Muslim Democracy in the Turbulent Middle East.”** (WCFA, CMES) Cengiz Candar, columnist, Radikal, Turkish Daily

News, Referans. Room K262, CGIS Knafel Building, 1737 Cambridge St., 4:30 p.m.

Wed., Oct. 29—**“Erlitou: A Major Focus for the Study of State Formation in Early China.”** (Asia Center, GSAS, Anthropology, East Asian Languages and Civilizations) Xu Hong, CASS, IOA. Peabody Museum 14A, 11 Divinity Ave., 5 p.m. miller9@fas.harvard.edu.

Wed., Oct. 29—**“Divine and Human Persons: Comparative Reflections on Some Hindu and Christian Understandings of Self.”** (CSWR, HDS) Chakravarthi Ram-Prasad, Lancaster University. Hosted by Francis X. Clooney, HDS. CSWR Common Room, 42 Francis Ave., 5:15 p.m. (617) 495-4476, www.hds.harvard.edu/cswr/index.html.

Wed., Oct. 29—**“The Three Trillion Dollar War.”** (Cambridge Forum) Linda Bilmes, HKS. First Parish, 3 Church St., 7:30 p.m. Booksigning to follow. Free and open to the public.

Thu., Oct. 30—**“Exiting Anarchy: Coup-Proofing after State Failure in the Caucasus and Central Asia.”** (Davis Center) Jesse Driscoll, Yale University. Room S354, 3rd floor, 1730 Cambridge St., 12:15 p.m.

Thu., Oct. 30—**“Working Group on the Mediterranean Rim Talk TBD.”** (CES) Reginald Dale, director, Transatlantic Media Network. Cabot Room, CES, 27 Kirkland St., 12:15 p.m. taj8@rcn.com.

Thu., Oct. 30—**“Intelligence and Policy: The Intelligence Community’s Role in Ensuring National Security.”** (Belfer Center’s International Security Program) Brown bag seminar with Hope LeBeau, research fellow, ISP/Intelligence and Policy Project. Littauer 369, Belfer Center Library, HKS, 12:15 p.m. Coffee and tea provided. <http://belfercenter.ksg.harvard.edu/events/3742/>.

Thu., Oct. 30—**“New Challenges Facing a New American Administration: A View From Within the Middle East.”** (CMES) Rami Khouri, American University of Beirut and HKS. Room 102, 38 Kirkland St., 12:30 p.m. Free and open to the public. <http://cmes.hmdc.harvard.edu>.

Thu., Oct. 30—**“To Whom Does Iraq Belong? The View From Europe.”** (WCFA, Middle East Forum, CMES) Gudrun Harrer, senior editor, Der Standard, Vienna, Austria, and Vienna University and Diplomatic Academy. Bowie-Vernon Room K262, CGIS Knafel Building, 1737 Cambridge St., 4 p.m.

Thu., Oct. 30—**Alexis de Tocqueville Lecture on American Politics, Part 1. “The Uses of Kennan: A Grand Strategist’s Legacy.”** (CAPS) John Lewis Gaddis, Yale University. Tsai Auditorium S-010, CGIS South, 1730 Cambridge St., 4 p.m. caps@gov.harvard.edu. See below for related commentary on Oct. 31.

Thu., Oct. 30—**“Psychiatry and Prejudice: Perceptions of the Orient Among European Jewish Immigrant Psychiatrists in Palestine, 1924-1941.”** (CES) Rakefet Zalashik, New York University. Cabot Room, CES, 27 Kirkland St., 4:15 p.m. phyllisalbert@gmail.com.

Thu., Oct. 30—**The Ingersoll Lecture on Immortality. “From Resurrection to Immortality: Theological and Political Implications in Modern Jewish Thought.”** (HDS) Leora Batnitzky, Princeton University. Sperry Room, Andover Hall, HDS, 5:15 p.m. Reception to follow in Braun Room. (617) 384-8394, jmccullom@hds.harvard.edu.

Fri., Oct. 31—**Alexis de Tocqueville Lecture on American Politics, Part 2. “Commentary on ‘The Uses of Kennan: A Grand Strategist’s Legacy.’”** (CAPS) Commentary on John Lewis Gaddis’ lecture on Oct. 30 (see above) by Jeff Frieden, Harvard University; Robert W. Kagan, Carnegie Endowment for International Peace; and Ian Shapiro, Yale University; with rejoinder by Gaddis, Yale University. Tsai Auditorium S-010, CGIS South, 1730 Cambridge St., 10 a.m. caps@gov.harvard.edu.

Fri., Oct. 31—**“Making Sense of Security: A Discussion of the Film ‘Kabul Transit.’”** (Asia Center) David Edwards, Williams College. Room 050, concourse level, CGIS South, 1730 Cambridge St., 12:30 p.m. (617) 496-6273. See film for related film on Oct. 30.

Mon., Nov. 3—**“Stokely Carmichael: Race, Democracy, and Postwar America, 1941-1969.”** (Warren Center) Peniel Joseph, Brandeis University, Warren Fellow. History Library, first floor, Robinson Hall, 4 p.m. Pre-circulated paper at www.fas.harvard.edu/~cwc. E-mail lkennedy@fas.harvard.edu for password.

Mon., Nov. 3—**“Realizing Educational Opportunity for All.”** (HGSE) Wendy Kopp, CEO and founder of Teach for America. Askwith Lecture Hall, Longfellow Hall, Appian Way, 5 p.m. (617) 384-7462, thompssa@gse.harvard.edu.

Tue., Nov. 4—**“The Politics of Numbers: (Mis)measuring Illicit Cross-Border Flows and Policy Effectiveness.”** (DRCLAS, WCFA) Peter Andreas, Brown University. 1730 Cambridge St., noon. Discussion to follow. smtesor@fas.harvard.edu.

Wed., Nov. 5—**“Moral Worlds and Religious Subjectivities: Perspectives From Hindu Studies.”** (CSWR) Leela Prasad, Duke University. Response offered by Thomas Lewis, Brown University. CSWR Common Room, 42 Francis Ave., 11:30 a.m. Reservations required at (617) 495-4476 or www.hds.harvard.edu/cswr.

Wed., Nov. 5—**“Language Policy in Central Asia and Azerbaijan in the Post-Soviet Era.”** (Committee on Inner Asian and Altaic Studies) William Fierman, Indiana University, Bloomington. Room S250, CGIS South, 1730 Cambridge St., 1 p.m. Free and open to the public. Bring lunch; snacks will be provided. www.fas.harvard.edu/~iaas/.

Wed., Nov. 5—**Movie Night at the Schlesinger Library. “Freaks.”** (Radcliffe Institute) Screening of Browning’s “Freaks” (1932). A discussion with Gerald Peary, Boston Phoenix, will follow. Radcliffe College Room, Schlesinger Library, 10 Garden St., Radcliffe Yard, 6 p.m. (617) 495-8647, www.radcliffe.edu.

Wed., Nov. 5—**“Rethinking Migration from the Brazilian Northeast to the Amazon: Historical Trends from World War II.”** (DRCLAS) Seth Garfield, University of Texas, Austin. Room S250, second floor, CGIS South, 1730 Cambridge St., 6 p.m. karl@fas.harvard.edu, <http://drclas.harvard.edu/events>.

Wed., Nov. 5—**“Human Rights in China: After the Olympics.”** (Cambridge Forum) Jianli Yang, survivor of Tiananmen Square massacre and a five-year prison term in China. First Parish, 3 Church St., 7:30 p.m. Free and open to the public.

Thu., Nov. 6—**“Post-Election Analysis and Forum.”** (CAPS) William Galston, Brookings Institution; William Kristol, The Weekly Standard. Room S010, CGIS South, Tsai Auditorium, 1730 Cambridge St., 4:30 p.m.; dinner 6:30 p.m.; discussion 7:30 p.m. RSVP for dinner by Fri., Oct. 31, to caps@gov.harvard.edu.

classes etc.

Arnold Arboretum offers a series of classes for the general public. (617) 384-5209, arbweb@arnarb.harvard.edu, www.arboretum.harvard.edu.

■ **Volunteer opportunities:** Share your love of trees and nature — volunteer as a School Program Guide at the Arnold Arboretum. You will be trained to lead science programs in the Arboretum landscape with elementary school groups. (617) 384-5239, www.arboretum.harvard.edu/programs/fieldstudy_guides.html.

■ **Free walking tours:** Come and explore the collections on a free guided tour led by knowledgeable volunteer docents on select Wednesdays, Saturdays, and Sundays through

**Oct. 30-Nov. 1**See conferences,
page 22, for details.

November. Times vary. All tours begin in front of the Hunnewell Building Visitor Center, 125 Arborway, and last approximately 60-90 minutes. No registration necessary. (617) 524-1718, www.arboretum.harvard.edu/visitors/tours.html.

■ Classes and special events

Thu., Oct. 23—**“Insect Invasions: Pests of the Urban Tree Canopy.”** Robert Childs, entomologist. 7 p.m. Free.

Sun., Oct. 26—**“Fall Foliage Festival.”** Go leaf-peeping at the Arboretum. Featuring guided tours, autumn treats like apples and cider, music, storytelling, and more. With special guest John Bunker, plant explorer and apple expert. Hunnewell Visitor Center Lawn, 125 Arborway, Jamaica Plain, noon-4 p.m. Free. (617) 524-1718.

Sat., Nov. 1—**“Extending the Garden in Time and Space.”** 9 a.m.-4 p.m.; doors open at 8:30 a.m. Fee: \$105 (includes continental breakfast and buffet lunch) general; \$89 member.

Sun., Nov. 2—**“Sustenance & Sustainability.”** Conversation with Gary Paul Nabhan, ethnobiologist, about where our food comes from. Reading, tasting, and booksigning. Hunnewell Building, Arnold Arboretum, 2 p.m. Free but advance registration is requested: (617) 384-5251, www.slowfoodboston.com.

The **Center for Astrophysics** will offer a focus group/study on astronomy for people who like astronomy and are curious about the universe. Join experts for an hour and a half of discussion on astronomical images and be a part of a new study on how NASA creates their astronomical imagery. Food, drinks, and souvenirs provided. Open to the public. <http://astroart.cfa.harvard.edu>.

■ Wed., Dec. 3—**“Astronomy Focus Group.”** Phillips Auditorium, CFA, 3 p.m. Register at <http://astroart.cfa.harvard.edu/focus>.

The **Center for Workplace Development** offers a wide variety of professional development courses, career development workshops, consulting services, and computer classes to Harvard employees. State-of-the-art training and conference rooms are available to rent at CWD's 124 Mt. Auburn St. location as well. Go to <http://harvie.harvard.edu/learning/cwd> to view a complete list of programs and services, or contact CWD at (617) 495-4895 or training@harvard.edu.

Committee on the Concerns of Women at Harvard holds meetings throughout the year. www.atwork.harvard.edu, <http://harvie.harvard.edu>. E-mail ccw@harvard.edu for registration and details.

■ Wed., Nov. 5—**“Picture Perfect: Life in the Age of the Photo Op.”** Kiku Adatto, author, Harvard University. Gutman Conference Center, HGSE, 12:30 p.m.; buffet lunch and networking at noon. Space is limited; register by e-mailing ccw@harvard.edu by Fri., Oct. 31, with the word “registration” in the subject line.

CPR and First Aid Programs. Call (617) 495-1771 to register.

Environmental Health and Safety (Harvard Longwood Campus) safety

seminars/orientation for Medical Area lab researchers are offered on the third Thursday of each month, noon-2:30 p.m. Topics include: Laboratory Safety, Bloodborne Pathogens, Hazardous Waste. (617) 432-1720, www.uos.harvard.edu/ehs. Beverages provided.

The **Harvard Art Museum** presents a series of public seminars and special programs. All programs require a fee and most require advance registration. See each program for details. Discounts are available for Friend members of the Art Museums. For more information, advance registration, or information on how to become a Friend, call (617) 495-4544. www.harvardartmuseum.org. See also lectures, art/design.

Harvard Ballroom dance classes are offered by the Harvard Ballroom Dance Team throughout the year. Salsa, Swing, Waltz, Tango, Foxtrot, Rumba, and Cha Cha are just some of the dances you can learn. No partner or experience is necessary. For more information, including class descriptions and pricing, visit www.harvardballroom.org.

Harvard Course in Reading and Study Strategies offered by the Bureau of Study Counsel. Through readings, films, and classroom exercises, students learn to read more purposively, selectively, and with greater speed and comprehension. A 14-day course for one hour/day over a period of a few weeks. Cost is \$150. Fall sessions will be held Oct. 14-Nov. 6, Mon., Tue., Thu., Fri., 4 p.m.; and Oct. 15-Nov. 14, Mon., Wed., Fri., 8 a.m. Call (617) 495-2581 or come to the Bureau of Study Counsel, 5 Linden St., to register or for more information. <http://bsc.harvard.edu/>.

Harvard Extension School Career and Academic Resource Center. (617) 495-9413, ouchida@hudge.harvard.edu.

Harvard Green Campus Initiative offers classes, lectures, and more. Visit www.greencampus.harvard.edu for details.

Harvard Medical School's Research Imaging Solutions at Countway. (617) 432-7472, ris@hms.harvard.edu, <http://it.med.harvard.edu/training>.

■ Tue., Nov. 4, and Thu., Dec. 11—**“Creating Figures for Publications and Presentations Using Photoshop and PowerPoint.”** Countway Library, HMS, 9 a.m.-1 p.m. Prerequisites: Basic computer skills and some familiarity with PowerPoint. Free and open to Harvard employees and HMS affiliates. Classes are limited to six students and fill up quickly; registration required at http://it.med.harvard.edu/pg.asp?pn=training_classes.

Harvard Museum of Natural History offers a variety of programs based on the Museum's diverse exhibits. The entrance for all programs is 26 Oxford St. **Enrollment is limited, and advance registration is required.** Sign up for three or more classes and get an extra 10 percent off. Wheelchair accessible. (617) 495-2341, www.hmnh.harvard.edu.

■ Volunteer opportunity

HMNH seeks volunteers who are enthusiastic about natural history and would enjoy sharing that excitement with

adults and children. No special qualifications required. Training is provided. Just one morning or afternoon per week or weekend required. More info: volunteers@oeb.harvard.edu.

■ Ongoing programs

Discovery Stations in “Arthropods: Creatures that Rule” let you observe and learn about live animals, artifacts, and specimens, while **Gallery Guides** answer questions and help visitors learn about the natural world. Wednesday afternoons, Saturday, and Sunday. General museum admission.

Nature Storytime features readings of stories and poems for kids ages 6 and under. Saturdays and Sundays, 11 a.m. and 2 p.m.

■ Special events

Fri., Oct. 24-Sun., Nov. 2—**“Fear Not: Halloween Exhibit Exploration.”** Halloween scavenger hunt featuring fearsome creatures. Pick up guide at front desk. Free with museum admission.

Wed., Oct. 29—**“Future(s) of Conservation.”** Steven Sanderson, Wildlife Conservation Society. HMNH, 26 Oxford St., 6 p.m. Free and open to the public. (617) 495-2773.

Harvard Neighbors offers a variety of programs and events for the Harvard community. (617) 495-4313, neighbors.harvard.edu, www.neighbors.harvard.edu.

■ Fri., Oct. 24—**“Cork and Fork Evening.”** 5:30-8:30 p.m. Fee: \$25 per person. Limited to 12; registration and pre-payment required.

■ Sat., Oct. 25—**“Tour of the Cambridge Firehouse.”** 10-11 a.m. Rain or shine. Free but reservations required at neighbors@harvard.edu.

■ Tue., Oct. 28—**“Beer Tasting Party at Harvard's Queen's Head Pub.”** 5:30-7:30 p.m. RSVP requested to neighbors@harvard.edu.

■ Fri., Oct. 31—**“Happy Halloween!”** 10 a.m.-noon. Dress up. Fee: \$2. neighbors@harvard.edu.

The Landscape Institute, 30 Chauncy St., 1st floor. (617) 495-8632, landscape@arnarb.harvard.edu, www.landscape.arboretum.harvard.edu.

■ **Winter registration is open:** Classes begin Nov. 6 for winter semester. Registration is first-come, first-served.

Mather House Chamber Music offers a fun, informal way to play music with other people. Coaching is available for string instruments, woodwinds, piano, harpsichord, Baroque ensembles, and singers. Ensembles are grouped according to the level of participants and availability of instruments. Sessions are scheduled at the mutual convenience of participants and coach. Everybody is invited to play in the concert at Mather, and there are various additional performance opportunities. Three special ensembles are offered: consorts of recorders, flutes, and viola da gamba. Fee: \$100 per semester. (617) 244-4974, lion@fas.harvard.edu, [www.people.fas.harvard.edu/~lion/mather](http://people.fas.harvard.edu/~lion/mather).

Mather House Pottery Class began Tue., Sept. 30, and will meet weekly on Tuesdays, 7-9 p.m. in the Mather House Pottery Studio. The 10-session course is designed for all levels of experience, taught by Pamela Gorgone. Fee: \$65 Harvard affiliates; \$55 Mather residents.

The fee includes the Tuesday night classes, all clay and glazes, and access to the studio. (617) 495-4834.

Office for the Arts offers several extracurricular classes designed to enhance the undergraduate experience. (617) 495-8676, ofa@fas.harvard.edu, www.fas.harvard.edu/ofa.

■ **Learning from Performers** Tue., Oct. 28—**“Legally Blonde The Musical Comes to Harvard: A Conversation with the Cast and Creators of the Hit Broadway Musical.”** Panel discussion with cast members Becky Gulsvig and Paul Jackel '78; composers/lyricists Laurence O'Keefe '91 and Nell Benjamin '93; and members of the Hasty Pudding Theatricals. Hosted and moderated by Dana Knox, Harvard's New College Theatre. New College Theatre, 10-12 Holyoke St., 2:30 p.m. Free admission. Sponsored in part by Hasty Pudding Theatricals.

Wed., Oct. 29—**“An Evening with Bebe Neuwirth.”** Bebe Neuwirth, actor, dancer, vocalist. Hosted and moderated by Leslie Woodies, Harvard Dance Program. New College Theatre, 10-12 Holyoke St., 8 p.m. Tickets are free but required (limit two per person, valid until 7:45 p.m.). Tickets are available as of Oct. 7 through the Harvard Box Office (617) 496-2222. A limited number of free tickets may be available at the door one hour prior to event start time. Co-sponsored with the Harvard Dance Program.

Mon., Nov. 3—**“Master Class with Ellen Hargis.”** Ellen Hargis, Baroque opera soprano, will present a brief lecture on Baroque opera gesture and rhetoric and conduct a master class with the student cast of Francesco Cavalli's 1644 opera “L'Ormindo.” New College Theatre Rehearsal Studio, 10-12 Holyoke St., 3 p.m. Free and open to the public. Co-sponsored with the Harvard Early Music Society.

Office for the Arts, Ceramics Program provides a creative learning environment for a dynamic mix of Harvard students, staff and faculty, professional artists, and the greater Boston and international community. www.fas.harvard.edu/ceramics.

Office of Work/Life Resources. All programs meet noon-1 p.m. unless otherwise noted. Various places. Register for workshops at [http://harvie.harvard.edu/courses/display.do?value\(application_id\)=3](http://harvie.harvard.edu/courses/display.do?value(application_id)=3). Call (617) 495-4100 or e-mail worklife@harvard.edu with questions. See also support/social listings. <http://harvie.harvard.edu/workandlife>.

Office of Work and Family (Longwood Area). All programs meet noon-1:30 p.m. unless otherwise noted. Various places. Feel free to bring a lunch. (617) 432-1615, barbara_wolf@hms.harvard.edu, www.hms.harvard.edu/hr/owf.html.

■ Thu., Oct. 23—**“Doggy Dos and Don'ts.”** Amy Koel, dog trainer. Pre-register at barbara_wolf@hms.harvard.edu.

■ Tue., Oct. 28, or Thu., Nov. 20, or Thu., Dec. 11—**“Buying Your First Home: Tips To Assist You with This Process.”** Susan Keller, Harvard Faculty Real Estate Services. Pre-register at barbara_wolf@hms.harvard.edu.

■ Tue., Nov. 4—**“Everything You Ever Wanted to Know About Hiring and Firing a Nanny.”** Marsha Epstein, president and founder of American Nanny Company. Pre-register at barbara_wolf@hms.harvard.edu.

■ Wed., Nov. 5—**“Holiday Stress and the Eeepy Eakies.”** Nancy Costikyan, director of the Harvard University Work/Life Resources. Pre-register at barbara_wolf@hms.harvard.edu.

Records Management Office, part of the Harvard University Archives, offers important workshops to help staff in charge of keeping the University's files in order. (617) 495-5961, rmo@hul.harvard.edu, <http://hul.harvard.edu/rmo>.

computer

The **Center for Workplace Development** offers computer-training classes that are open to the Harvard community and affiliates. Classes range from introductory workshops to all levels of word processing, spreadsheets, databases, desktop

publishing, and Web development. To learn more, go to <http://harvie.harvard.edu/learning/cwd> or contact CWD at (617) 495-4895 or training@harvard.edu.

Harvard's **Computer Product & Repair Center** has walk-in hours Mon., Tue., Thu., and Fri., 9 a.m.-5 p.m.; Wed., 10 a.m.-5 p.m. Closed Sat. and Sun. Science Center B11. (617) 495-5450, www.computers.harvard.edu.

The **Harvard College Library** offers hands-on instruction in using the HOLLIS Portal Page (the Web gateway to over 1,300 electronic resources), the HOLLIS Catalog (for materials owned by Harvard libraries), and Advanced HOLLIS subject sections each semester. http://hcl.harvard.edu/widener/services/research/hollis_instruction.html.

special events

Thu., Oct. 23—**“Dining Services' Kitchens Tour.”** (Harvard University Dining Services) Tour the LEED-certified Dunster and Mather House kitchens, enjoy lunch in the dining hall, and hear about other “green” facility improvements already implemented or under consideration. Noon-1:30 p.m. E-mail crista_martin@harvard.edu to sign up. www.dining.harvard.edu.

Fri., Oct. 24—**“Superheroes: Powers and Party for a Purpose.”** (THUD) All campus dance party with The Harvard Undergraduate Drummers and Expressions Dance Company. Proceeds to benefit the Jimmy Fund at the Dana-Farber Cancer Institute. Dining hall, Lowell House, 10 p.m. Tickets are \$7 with Harvard ID only. Harvard Box Office (617) 496-2222.

Fri., Oct. 24-Sun., Oct. 26—**“Harvard-Radcliffe Dramatic Club Centennial Weekend.”** (HRDC) Performances, discussions, and master classes. All workshops and classes are free and open to the public. Tickets for performances and the centennial gala available through the Harvard Box Office (617) 496-2222 or Loeb Box Office (617) 547-8300. E-mail HRDC100th@gmail.com or visit <http://hrdctheater.com> for full details of events.

Fri., Oct. 24-Sun., Nov. 2—**“Fear Not: Halloween Exhibit Exploration.”** (HMNH) Halloween scavenger hunt featuring fearsome creatures. Pick up guide at front desk. Free with museum admission. www.hmnh.harvard.edu.

Sat., Oct. 25—**“No Half Steppin' Benefit Show.”** (Harvard Society of Black Scientists and Engineers) An inter-collegiate event celebrating the evolution of step dancing while raising funds for charity. Lowell Lecture Hall, 17 Kirkland St. (corner of Oxford and Kirkland streets), 7 p.m. Tickets are \$10 general; \$8 HSBSE members. Harvard Box Office (617) 496-2222.

Sat., Oct. 25—**“Leverett 80's Dance.”** (Leverett House Committee) Leverett House Dining Hall, 28 DeWolfe St., 9 p.m. Harvard ID only. Tickets are \$5 in advance; \$5 at door before midnight; \$7 after midnight. Harvard Box Office (617) 496-2222.

Sat., Oct. 25—**“No Half Steppin' After Party.”** (Harvard Society of Black Scientists and Engineers) Mather House Dining Hall, 10 Cowperthwaite St., 10 p.m. Advance tickets are \$5; \$7 after 11:30 p.m. at door. Harvard Box Office (617) 496-2222.

Sun., Oct. 26—**“Fall Foliage Festival.”** (Arnold Arboretum) Go leaf-peeping at the Arboretum. Featuring guided tours, autumn treats like apples and cider, music, storytelling, and more. With special guest John Bunker, plant explorer and apple expert. Hunnewell Visitor Center Lawn, 125 Arborway, Jamaica Plain, noon-4 p.m. Free. (617) 524-1718, www.arboretum.harvard.edu.

Tue., Oct. 28—**“Legally Blonde The Musical Comes to Harvard: A Conversation with the Cast and Creators of the Hit Broadway Musical.”** (Learning from Performers, OfA, Hasty
(Continued on next page)

(Continued from previous page)
Pudding Theatricals) Panel discussion with cast members Becky Gulsvig and Paul Jackel '78; composers/lyricists Laurence O'Keefe '91 and Neil Benjamin '93; and members of the Hasty Pudding Theatricals. Hosted and moderated by Dana Knox, Harvard's New College Theatre. New College Theatre, 10-12 Holyoke St., 2:30 p.m. Free admission. (617) 495-8676, www.fas.harvard.edu/ofa.

Wed., Oct. 29—"An Evening with Bebe Neuwirth." (Learning from Performers, Harvard Dance Program, Ofa) Bebe Neuwirth, actor, dancer, vocalist. Hosted and moderated by Leslie Woodies, Harvard Dance Program. New College Theatre, 10-12 Holyoke St., 8 p.m. Tickets are free but required (limit two per person, valid until 7:45 p.m.). Tickets are available as of Oct. 7 through the Harvard Box Office (617) 496-2222. A limited number of free tickets may be available at the door one hour prior to event start time. (617) 495-8676, ofa@fas.harvard.edu, www.fas.harvard.edu/ofa.

Sun., Nov. 2—"Day of the Dead/Día de los Muertos: Featuring Salsa, Son, and Mariachi Music at the Peabody." (Peabody Museum) Family event will feature traditional Mexican dance performances by Harvard University's Ballet Folklórico; the artistry of wood carver Ventura Fabian of Oaxaca; various craft activities, and the popular Sugar Skull Workshops. Fiesta will feature music, food, and more. Peabody Museum, 11 Divinity Ave. Family event: 1-4:30 p.m., all activities free with museum admission except Sugar Skull Workshops (\$5/participant); fiesta: 6-9 p.m., free but tickets required — call (617) 495-2269 (limited tickets available at the door).

Mon., Nov. 3—"Master Class with Ellen Hargis." (Learning from Performers, Ofa, Harvard Early Music Society) Ellen Hargis, Baroque opera soprano, will present a brief lecture on Baroque opera gesture and rhetoric and conduct a master class with the student cast of Francesco Cavalli's 1644 opera "L'Ormindo." New College Theatre Rehearsal Studio, 10-12 Holyoke St., 3 p.m. Free and open to the public. (617) 495-8676, www.fas.harvard.edu/ofa.

fitness

Harvard Wellness Programs

For a recorded listing of programs, (617) 495-1771.
For a registration form, (617) 495-9629, www.huhs.harvard.edu.

Massage Therapy, 1-Hour Appointments

One-hour appointments with Licensed Massage Therapists
Mondays-Fridays, afternoon and evening appointments, limited morning appointments
Saturdays, morning, afternoon, and evening appointments
Sundays, morning and afternoon appointments
75 Mt. Auburn St., HUHS
Call (617) 495-9629 to arrange
Fee is \$60/hr; \$40/hr for HUGHP members

Massage Therapy, 1/2-Hour Appointments

1/2-hour appointments with Licensed Massage Therapists
Wednesdays and Thursdays, 9 a.m.-noon
75 Mt. Auburn St., 2E, HUHS
Call (617) 495-9629 to arrange
Fee is \$37/half-hr; \$25/half-hr for HUGHP members

Lunchtime Massage Therapy Break at HUHS

Ten-minute appointments with Licensed Massage Therapists
Mondays, noon-2 p.m. at the HUHS Pharmacy in Holyoke Center
Wednesdays, 11 a.m.-2 p.m. at CWHC, 2E, HUHS
Thursdays, 5:30-7:30 p.m. at Hemenway Gym
Fridays from 11 a.m.-2 p.m. at the HUHS Pharmacy in Holyoke Center
Call (617) 495-9629 to arrange
Fee is \$10/10 minutes

On-Site Massage Therapy or Shiatsu
10-minute appointments with Licensed Massage Therapists
Call (617) 495-9629 to arrange
Fee is \$10 per person for 10 minutes; minimum of six people

Shiatsu (Acupressure)

One-hour appointments with Karl Berger, OBt, LMT
Mondays, 6, 7, and 8 p.m.
75 Mt. Auburn St., 5th floor, HUHS
Call (617) 495-9629 to arrange
Fee is \$60/hr; \$40/hr for HUGHP members

Reiki

One-hour appointments with Farris Ajalat, Judy Partington, & Lisa Santoro, LMTs
Tuesdays, Wednesdays, Thursdays, Saturdays
75 Mt. Auburn St., 2E, HUHS
Call (617) 495-9629 to arrange
Fee is \$60/hr; \$40/hr for HUGHP members

Active Release Technique (ART)

One-hour appointments with a Licensed Massage Therapist
Sundays and Mondays, mid-day, afternoon and evening appointments
75 Mt. Auburn St., 2E, HUHS
Call (617) 495-9629 to arrange
Fee is \$60/hr; \$40/hr for HUGHP members

Acupuncture, 1-Hour Appointments

One-hour appointments with Jeffrey Matrician, Lic. Ac.
Tuesdays and Fridays, morning and afternoon appointments
75 Mt. Auburn St., 2E, HUHS
Call (617) 495-9629 to arrange (clinical clearance required)
Fee is \$75/hr; \$40/hr for HUGHP members

Tobacco Cessation Classes are offered weekly at the Dana-Farber Cancer Institute, dates and times may vary. Fee: \$10 per class, and nicotine patches are available at a discounted rate. (617) 632-2099.

Weight Watchers at Work classes are available. (617) 495-9629.

Weight Watchers at Work at HDS classes are available Fridays, 10-10:45 a.m. in the CSWR conference room, 42 Francis Ave. There will be an information and registration meeting Fri., Sept. 26. (617) 495-4513.

religion

The Memorial Church

Harvard Yard (617) 495-5508
www.memorialchurch.harvard.edu
Handicapped accessible

Sunday Services

During the academic year, Sunday services are broadcast on Harvard's radio station, WHRB 95.3 FM. For those outside the Cambridge area, WHRB provides live Internet streaming from its Web site at www.whrb.org. Services take place at 11 a.m.
Oct. 26—The Rev. Dr. Anthony Campolo, president, Evangelical Association for the Promotion of Education, St. Davids, Pennsylvania
Nov. 2—The Rev. Dr. Joan Brown Campbell, director, Department of Religion, Chautauqua Institute, Chautauqua, New York

Morning Prayers

A service of Morning Prayers has been held daily at Harvard since its founding in 1636, and continues to be held in Appleton Chapel from 8:45-9 a.m., Mon.-Sat. A brief address is given by members and friends of the University, with music provided by the Choral Fellows of the Harvard University Choir. On Saturdays, the music is provided by soloists, small ensembles, or instrumentalists. This service, designed to enable students and faculty to attend 9 a.m. classes, is open to all.
Thu., Oct. 23—Christie McDonald, professor, Harvard University
Fri., Oct. 24—Thomas H. Batchelder, Department of History of Art and Architecture, Harvard University
Sat., Oct. 25—Gerald S. Pierce HDS '68, chef
Mon., Oct. 27—Eleanor Mitten,

Baha'i chaplain, Harvard University
Tue., Oct. 28—Emily H. Moss, Tozzer Library, Anthropology Department, Harvard University
Wed., Oct. 29—Omar Abdul-Malik, director, Cambridge Center for the Study of Religion and Public Policy
Thu., Oct. 30—James F. McCormack HDS '91, mediator, Trial Court of Massachusetts
Fri., Oct. 31—The Rev. Dr. Dorothy A. Austin, Sedgwick Associate Minister and chaplain, the Memorial Church, co-master of Lowell House
Sat., Nov. 1—Timothy A Pantoja M.Div. '09, seminarian in the Memorial Church
Mon., Nov. 3—Laurence H. Tribe, Harvard University
Tue., Nov. 4—Roger B. Porter, HKS, master of Dunster House
Wed., Nov. 5—Nick Littlefield '64, attorney, Foley Hoag, Boston; former chief counsel and staff director for Sen. Edward M. Kennedy
Thu., Nov. 6—Marlyn E. McGrath, director of admissions, Harvard College

Faith & Life Forum

Forums take place in the Pusey Room, the Memorial Church, at 9:30 a.m. Breakfast and conversation at 9 a.m.; discussion following the program at 10:30 a.m. until the 11 a.m. worship service. (617) 496-1643, daustin@fas.harvard.edu, leslie_kress@harvard.edu.
■ Sun., Oct. 26—"The Moscow Protestant Chaplaincy: Putting Our Faith to Work." The Rev. Robert K. Bronkema.

Undergraduate Retreat

Fall retreat to Duxbury, Mass., for a 24-hour spiritual getaway with prayer, small group worship, discussion, and games. E-mail jonathan_page@harvard.edu for details.
■ Fri., Oct. 24-Sat., Oct. 25

Compline

The ancient service of Compline is held one Thursday a month during term. Based upon the traditional evening liturgy of scripture, music, prayers, and silence, this twenty-minute service is sung in the candlelit space of Appleton Chapel by members of the Harvard University Choir. All are welcome.
■ Thu., Nov. 6, Dec. 4, and Jan. 8 at 10 p.m.

Sunday Night Student Service

All undergraduate and graduate students are welcome to attend a worship service every Sunday night at 9 p.m. in Appleton Chapel with the Rev. Jonathan C. Page. The service lasts 45 minutes and includes weekly Eucharist, singing, and student participation. Students are encouraged to come dressed as they are and are invited to remain for food and fellowship. E-mail jonathan_page@harvard.edu for details.

Wednesday Tea

On Wednesdays during Term, Professor Gomes welcomes undergraduates, graduate students, and visiting scholars to afternoon tea from 5-6 p.m. at his residence, Sparks House, 21 Kirkland St., across from Memorial Hall.

Undergraduate Fellowship

An opportunity for students to meet, enjoy food, and discuss faith. Meetings take place Wednesdays at 9:30 p.m. in the Buttrick Room, Memorial Church. E-mail jonathan_page@harvard.edu for details.

Graduate Fellowship

A new fellowship group for graduate students with discussions, food, contemplative worship, and more. Meetings take place Thursdays at 7 p.m. E-mail [rob-firstpres@gmail.com](mailto:firstpres@gmail.com) for details.

Berkland Baptist Church

99 Brattle St., Harvard Sq.
(617) 828-2262, dancho@post.harvard.edu
■ Sunday School: Sun., 12:15 p.m.
■ Worship Service: Sun., 1 p.m.
Berkland Baptist Church is a community of faith, primarily comprised of young Asian American students and professionals.

Cambridge Forum

The First Parish in Cambridge, Unitarian Universalist, 3 Church St., (617) 495-2727, www.cambridgeforum.org.

Christian Science Organization meets in the Phillips Brooks House every Tue. at 7 p.m. for religious readings and testimonies. (617) 876-7843.

The Church at the Gate

Sunday services: 4 p.m.
www.thechurchatthegate.com
The Church at the Gate will see people of all nations transformed by faith in Jesus Christ as we love and serve God and people in the strategic context of the city and the university.

The Church of Jesus Christ of Latter-day Saints

2 Longfellow Park (located at about 100 Brattle St.)
Sunday Worship Services: 9:30 a.m., 11:30 a.m., 2 p.m., 3:50 p.m.
All are welcome. The congregations that meet at these times are composed of young, single students and professionals. For information on family congregation meeting places and times, or for information on other classes and events, e-mail ldsostoninstitute@yahoo.com.

Congregation Ruach Israel

A Messianic Jewish Synagogue
754 Greendale Ave., Needham, MA
Shabbat services, Saturday morning at 10 a.m.
Call (781) 449-6264 or visit www.ruachisrael.org for more information. Rides from Harvard Square available upon request.

Divinity School Chapel

45 Francis Ave. (617) 495-5778
Services are held during the fall and spring terms only.
■ HDS Wednesday Noon Service: 12:10 p.m. (617) 384-7571, jvonwald@hds.harvard.edu
■ HDS Thursday Morning Eucharist: 8:30-9 a.m.
■ Thu., Oct. 23—"Writing Presence Into Absence: Study, Writing and Storytelling as Jewish Devotional." Jordie Gerson, rabbinical student. CSWR Common Room, 42 Francis Ave., noon. Soup provided; please bring your own beverage. (617) 384-7571, jvonwald@hds.harvard.edu.

Dzogchen Center Cambridge meets every Monday evening at 7:30 p.m. for Tibetan Buddhist Dzogchen practice at Cambridge Friends Meeting House, Longfellow Park, off Brattle St. (718) 665-6325, www.dzogchen.org/cambridge.

Episcopal Divinity School

"Introductory Meditation Classes: Finding Peace in a Busy World."
Introduction to basic Buddhist philosophy and meditation. Each class includes a brief talk, guided meditation, and time for questions. Taught by Gen Kelsang Choma, American Kadampa Buddhist nun, resident teacher of Serlingpa Meditation Center. Burnham Chapel, Episcopal Divinity School, 99 Brattle St., 10:30 a.m.-noon. \$10 suggested donation. epc@serlingpa.org, www.MeditationinBoston.org.

First Baptist Church in Newton

848 Beacon St.
Newton Centre, MA 02459
(617) 244-2997
www.fbcnewton.org
Sunday worship at 10:30 a.m.; Sunday School at 9:30 a.m.
Corner of Beacon and Centre streets, accessible via MBTA's D Line, two blocks from the Newton Centre stop.

First Reformed Presbyterian Church of Cambridge (RPCNA)

53 Antrim St.
Cambridge, MA 02139
(617) 864-3185
www.reformedprescambridge.com
Sunday worship at 11 a.m. and 6 p.m. Christian counseling available by appointment.

First United Presbyterian Church (PCUSA)

1418 Cambridge St.
Inman Square
(617) 354-3151
www.cambridgepres.com
Sunday Worship at 10 a.m.
Weekly small group for young adults; palikk@fas.harvard.edu.

Fo Guang San 'V International Buddhist Progress Society holds a traditional service every Sunday at 10 a.m. with a free vegetarian lunch. 950 Massachusetts Ave. Open Mon.-Sun., 10 a.m.-6 p.m. for meditation. (617) 547-6670.

Grace Street Church holds a Sunday evening service at 6 p.m. in the ballroom of the Sheraton Commander Hotel, 16 Garden St. All are welcome. (617) 233-9671, www.gracestreet.org.

Harvard Buddhist Community Chaplain

Lama Migmar Tseten offers teachings and meditation sessions at the Sakya Institute for Buddhist Studies, 59 Church St., Unit 3, Harvard Square. (617) 256-3904, migtse@earthlink.net, www.sakya.net.
■ Sundays: "In-Depth Teachings on the Four Noble Truths," 10 a.m.-noon.
■ Tuesdays: Mind training course, "Seven Points of Mind Training," 6-7 p.m. (practice), 7:30-9 p.m. (class).
■ Fridays: "Uttaratantra," 6-7 p.m. (practice), 7:30-9 p.m. (class).

Harvard Unitarian Universalist Ministry for Students

Weekly worship: Fridays at 12:15 p.m. Services are held during the fall and spring terms only. The first Friday of the month meet in Emerson Chapel, Divinity Hall. The remaining Fridays meet in Andover Chapel, Andover Hall. All are welcome. <http://groups.yahoo.com/group/huums/>.

Hope Fellowship Church holds worship service Sundays at 9 a.m. and 11 a.m., 16 Beech St. (617) 868-3261, www.hopefellowshipchurch.org.

Old South Church, United Church of Christ, Congregational

Copley Square, (617) 425-5145, helen@oldsouth.org
■ Sundays: 9 a.m. early service; 11 a.m. sanctuary service with organ and choir
■ Thursdays: Jazz worship service at 6 p.m.

St. Mary Orthodox Church

8 Inman St., Cambridge
(617) 547-1234
<http://www.stmaryorthodoxchurch.org/>
■ Sunday Orthros: 8:45 a.m.
■ Sunday Divine Liturgy: 10 a.m.
■ Great Vespers: Saturdays at 5 p.m.

St. James Episcopal Church

1991 Massachusetts Ave. (2 blocks beyond Porter Square T station)
www.stjames-cambridge.org
Sunday services at 8 a.m. (Rite 1) and 10:30 a.m. (Rite 2)
A musically vibrant, eucharist-centered, welcoming, and diverse congregation.

Unity Center Cambridge

Sunday services: 11 a.m. (meditation at 10:30 a.m.)
Morse School Theater, 40 Granite St., Cambridgeport (accessible by red line, green line and buses), www.unitycambridge.org
Unity Center Cambridge is a new spiritual community that emphasizes practical teachings and integrates wisdom across a range of spiritual traditions. All are welcome.

Unity Church of God

6 William St., Somerville, 3 blocks up College Ave. from Davis Sq., (617) 623-1212, www.unitychurchofgod.org
■ Sunday services: 11 a.m.
■ Monday: Prayer group at 7 p.m.
■ Tuesday: Support group at 7 p.m.
■ Alternate Fridays: Movie viewings at 7 p.m.

Vineyard Christian Fellowship of Cambridge

holds service Sundays at 170 Rindge Ave. in North Cambridge, walking distance from Davis and Porter Squares. Service times are 9 a.m. — with corresponding kids church — and 11 a.m. shuttle service currently picks up students at 8:25 a.m. for the 9 a.m. service, and 10.25 a.m. for the 11 a.m. service, at Harvard Square (in front of the Holyoke Center, at 1250 Mass. Ave., next to the cab stand). Senior pastor, Dave Schmelzer. (617) 252-0005, www.cambridgevineyard.org.

WomenChurch, an imaginative community for women, meets the first Thursday



Through Nov. 5

Photography by Justin Ide and bronze sculptures by Silvina Mizrahi are on view through Nov. 5 at Harvard Neighbors Gallery. See exhibitions, page 21.

LEFT: ‘The Face of Compassion’: Doctor Jen Furin of Partners In Health visits a rural health clinic in Nohana, Lesotho, and tends to a 15-month-old girl, Kazabelo, who came in suffering from malnutrition, and possibly AIDS and TB.

of each month (during the fall and spring terms only) at 7 p.m. in Andover Chapel at HDS on Francis Ave. All women are welcome. E-mail mfurness@hds.harvard.edu for information.

United Ministry

The following churches and organizations are affiliated with the United Ministry and offer worship and social services. Call for details.

Anglican/Episcopal Chaplaincy at Harvard

2 Garden St. (617) 495-4340 episcopal_chaplaincy@harvard.edu
Eucharist Sundays at 5 p.m. at the Christ Church Chapel (behind the church at Zero Garden St.), followed by fellowship supper at 6 p.m. in the Chaplaincy Common Room. Episcopal Students at Harvard: www.hcs.harvard.edu/~esh/ for an updated list of student activities and events. A ministry of the Episcopal Diocese of Massachusetts and the worldwide Anglican Communion.

Christ the King Presbyterian Church

99 Prospect St. Cambridge, Mass.
Sundays: Services in English at 10:30 a.m. and in Brazilian Portuguese at 6 p.m.
(617) 354-8341, office@ctkcambridge.org, www.ctkcambridge.org

Harvard Bahá’í Student Association

bahai@hcs.harvard.edu
All events are open to the public. Please write to bahai@hcs.harvard.edu for more information, or subscribe to our announcement list at <http://lists.hcs.harvard.edu/mailman/listinfo/bahai-list>.

Harvard-Epworth United Methodist Church

1555 Massachusetts Ave. Cambridge, Mass.
(617) 354-0837 www.harvard-epworth.org
■ Communion service: 9 a.m.
■ Christian education hour for all ages: 10 a.m.
■ Worship service: 11 a.m.

Harvard Hindu Fellowship Meditation Group

is led by Swami Tyagananda, Harvard Hindu chaplain from the Ramakrishna Vedanta Society. Meets Mondays, 7-8 p.m., in the Mather House Tranquility Room.
Swami_tyagananda@harvard.edu.

Harvard Islamic Society
Harvard Islamic Society Office. (617) 496-8084

www.digitas.harvard.edu/~his
Five daily prayers held in the basement of Canaday E. Friday prayers held in Lowell Lecture Hall at 1:15 p.m.

Harvard Korean Mission meets on Fridays for Bible Study Group at 7 p.m., and on Sundays for ecumenical worship at 2 p.m. in the Harvard-Epworth United Methodist Church, 1555 Massachusetts Ave. (617) 441-5211, rkahng@hds.harvard.edu.

H-R Asian Baptist Student Koinonia
Friday Night Bible study: Boylston Hall 105, 7 p.m., every Friday. Join us as we continue our study of the Gospel of Matthew this year.

Frosh Mid-Week at Loker 031, 7:30-8:30 p.m., every Wednesday, Freshmen only. iskandar@fas.harvard.edu, www.hcs.harvard.edu/~absk.

H-R Catholic Student Center

Saint Paul Church, 29 Mt. Auburn St. Student Mass: Sun., 5 p.m., Lower Church.

Harvard Hillel

52 Mt. Auburn St. (617) 495-4696 www.hillel.harvard.edu
■ Reform Minyan: Fri., 5:30 p.m.
■ Orthodox Minyan: daily, 7:30 a.m. and 15 minutes before sundown; Sat., 9 a.m. and 1 hour before sundown
■ Conservative Minyan: Mon. and Thu., 8:45 a.m.; Fri., 5:45 p.m.; Sat., 9:30 a.m., 1:45 p.m., and 45 minutes after sundown.
■ Worship and Study Minyan (Conservative): Sat., 9:30 a.m.

H-R Humanist Chaplaincy

Monthly Meeting: One Sunday of every month, Hall A, Science Center, 1 Oxford St., 2 p.m. (617) 495-5529.

Cambridge Friends Meeting meets for worship Sundays at 10:30 a.m. and 5 p.m., Wednesdays at 8:30 a.m., 5 Longfellow Park, off Brattle St. (617) 876-6883.

Cambridgeport Baptist Church (corner of Magazine St. and Putnam Ave., 10-minute walk from Central Square T stop) Sunday morning worship service at 10 a.m. Home fellowships meet throughout the week. (617) 576-6779, www.cambridgeportbaptist.org.

First Church in Cambridge (United Church of Christ) holds a traditional worship service Sundays at 11 a.m. and an alternative jazz service Sunday afternoons at 5:30 p.m. Located at 11 Garden St. (617) 547-2724.

Lutheran — University Lutheran Church, 66 Winthrop St., at the corner of Dunster and Winthrop streets, holds Sunday worship at 10 a.m. through Labor Day weekend and 9 and 11 a.m. Sept. 10-May, with child care provided. UniLu Shelter: (617) 547-2841. Church and Student Center: (617) 876-3256, www.unilu.org.

Old Cambridge Baptist Church, 1151 Mass. Ave. and 400 Harvard St. (behind the Barker Center and the Inn at Harvard), holds Sunday morning worship at 10:30 a.m. Please join this inclusive, progressive congregation in the American Baptist tradition. www.oldcambridgebaptist.org, (617) 864-8068.

Swedenborg Chapel: Church of the New Jerusalem

(617) 864-4552, <http://swedenborgchapel.org/>
Located at the corner of Quincy St. and Kirkland St.
■ Bible Study, Sundays at 10 a.m.
■ Services, Sundays at 11 a.m.
■ Community Dinner, Thursdays at 6 p.m.
■ Swedenborg Reading Group, Thursdays at 7 p.m.

Cambridgeport Baptist Church, (617) 576-6779
Christ Church, (617) 876-0200
Episcopal Chaplaincy, (617) 495-4340
First Parish in Cambridge, Unitarian Universalist, (617) 495-2727
Harvard-Epworth United Methodist Church, (617) 354-0837
Old Cambridge Baptist Church, (617) 864-8068
St. Paul Church, (617) 491-8400
Swedenborg Chapel, (617) 864-4552
The Memorial Church, (617) 495-5508

support/social

Support and Social groups are listed as space permits.

The **Berkman Center for Internet and Society Thursday Meetings @ Berman**, a group of blogging enthusiasts and people interested in Internet technology, meets at the Berkman Center on the second floor of 23 Everett St., Cambridge, on Thursday evenings at 7 p.m. People of all experience levels and those who would like to learn more about weblogs, XML feeds, aggregators, wikis, and related technology and their impact on society are welcome. <http://blogs.law.harvard.edu/thursdaymeetings/>.

The **COACH Program** seeks Harvard college and graduate students to serve as “college coaches” in the Boston Public Schools to assist young people in applying to college and developing plans for after high school. COACH is looking for applicants interested in spending about three hours per week working with high school juniors and seniors in West Roxbury. Interested students should call (917) 257-6876 or e-mail asamuels@law.harvard.edu.

Harvard’s EAP (Employee Assistance Program) provides free, confidential assessment and referral services and short-term counseling to help you work through life’s challenges. Harvard faculty, staff, retirees, and their household members can access the following services throughout the U.S. and Canada 24 hours a day, 7 days a week: confidential assessment, information, referral; consultation to supervisors around employee well-being, behavior, or performance; individual and group support around a workplace crisis, serious illness, or death; and on-site seminars. In addition, Harvard’s EAP can help with workplace conflicts, personal and family relationships, eldercare planning, legal consultations, financial counseling and planning, sexual harassment, workplace and domestic violence, alcohol and drug use, and more. To schedule an appointment near your office or home, call the EAP’s toll-free number at **1-EAP-HARV (1-877-327-4278)**. Counselors are available to answer your calls from 8:30 a.m. to 7 p.m. Monday through Thursday, and from 8:30 a.m. to 5 p.m. on Friday; urgent calls will be answered by crisis clinicians round the clock. You may also visit www.wellnessworklife.com for further information and access to other resources available to you as a Harvard employee (there is a one-time confidential registration process; please visit www.harvie.harvard.edu for login instructions).

Harvard Lesbian/Bisexual/Transgender/Queer Women’s Lunch is a chance for lesbian/bi/trans/queer women staff and faculty at Harvard to meet informally for lunch and conversation. Meetings take place 12:30-1:30 p.m. in the graduate student lounge on the 2nd floor of Dudley House. You can bring lunch or buy at Dudley House. E-mail ochs@fas.harvard.edu, dmorley@fas.harvard.edu, or linda_schneider@harvard.edu for more information.

Harvard Lesbian, Gay, Bisexual & Transgender Faculty & Staff Group. (617) 495-8476, ochs@fas.harvard.edu,

www.hglc.org/resources/faculty-staff.html.

Harvard Student Resources, a division of Harvard Student Agencies, employs a work force of more than 300 students to provide temporary clerical work, housecleaning, tutoring, research, moving, and other help at reasonable rates. **HSA Cleaners**, the student-run dry cleaning division of Harvard Student Agencies, offers 15 percent off cleaning and alterations for Harvard employees. (617) 495-3033, www.hsa.net.

Harvard Student Spouses and Partners Association (HSSPA) Spouses Support Group is a social group where you can meet other spouses who might help you to get used to your new situation as a spouse or partner at Harvard University. Our support group meets weekly all year long. Please e-mail spousesupport@gmail.com for location and time of meetings and check www.hsspa.harvard.edu for events.

Harvard Toastmasters Club helps you improve your public speaking skills in a relaxed environment. For Harvard students from all Schools and programs. Meetings are Wednesdays, 6:45-7:45 p.m., in room 332, Littauer Building, HKS. jkhartshorne@gmail.com.

The **Harvard Trademark Program** has redesigned its Web site to better meet the needs of the public and members of the Harvard community who are seeking information about the Harvard Trademark Program’s licensing activities and trademark protection efforts as well as information regarding the various policies governing the proper use of Harvard’s name and insignias. trademark_program@harvard.edu, www.trademark.harvard.edu.

Harvard Veterans Alumni Organization is open to all members of the Harvard University community who are, or have served, in the U.S. military. Visit www.harvardveterans.org for information and to participate.

LifeRaft is an ongoing drop-in support group where people can talk about their own or others’ life-threatening illness, or about their grief and bereavement. Life Raft is open to anyone connected with the Harvard Community: students, faculty, staff, retirees, and families. Life Raft is free and confidential and meets on Wednesdays, noon-2 p.m. in the Board of Ministry Conference Room on the ground floor of the Memorial Church. Come for 10 minutes or 2 hours. (617) 495-2042, bgilmore@uhs.harvard.edu.

Opportunities



Job listings posted as of October 23, 2008

Harvard is not a single place, but a large and varied community. It is comprised of many different schools, departments and offices, each with its own mission, character and environment. Harvard is also an employer of varied locations.

Harvard is strongly committed to its policy of equal opportunity and affirmative action. Employment and advancement are based on merit and ability without regard to race, color, creed, sex, sexual orientation, disability, national origin or status as a disabled or Vietnam-era veteran.

How to Apply:
To apply for an advertised position and/or for more information on these and other listings, please visit our Web site at <http://www.employment.harvard.edu> to upload your resume and cover letter.

Explanation of Job Grades:
Most positions at Harvard are assigned to a job grade (listed below with each posting) based on a number of factors including the position’s duties and responsibilities as well as required skills and knowledge.

The salary ranges for each job grade are available at <http://www.employment.harvard.edu>. Target hiring rates will fall within these ranges. These salary ranges are for full-time positions and are adjusted for part-time positions. Services & Trades positions are not assigned grade levels. The relevant union contract determines salary levels for these positions.

Other Opportunities:
All non-faculty job openings currently available at the University are listed on the Web at <http://www.employment.harvard.edu>.

There are also job postings available for viewing in the Longwood Medical area, 25 Shattuck St., Gordon Hall Building. For more information, please call 432-2035.

This is only a partial listing. For a complete listing of jobs, go to <http://www.employment.harvard.edu>.

In addition, Spherion Services, Inc., provides temporary secretarial and clerical staffing services to the University. If you are interested in temporary work at Harvard (full- or part-time), call Spherion at (617) 495-1500 or (617) 432-6200 (Longwood area).

Additional Career Support:
A Web page on career issues, including links to career assessment, exploration, resources, and job listings, is available for staff at <http://www.harvie.harvard.edu/learning/careerdevelopment/index.shtml>

Job Search Info Sessions:
Harvard University offers a series of information sessions on various job search topics such as interviewing, how to target the right positions, and navigating the Harvard hiring process. All are welcome to attend. The sessions are typically held on the first Wednesday of each month from 5:30 to 7:00 at the Harvard Events and Information Center in Holyoke Center at 1350 Massachusetts Avenue in Harvard Square. More information is available online at <http://employment.harvard.edu/careers/findingajob/>.

Please Note:
The letters “SIC” at the end of a job listing indicate that there is a strong internal candidate (a current Harvard staff member) in consideration for this position.

Academic

Research Fellow Req. 35546, Gr. 090
Harvard Law School/Executive Education
FT (10/16/2008)

Alumni Affairs and Development

Assistant Director, Harvard Varsity Club Req. 35475, Gr. 056
Faculty of Arts and Sciences/Athletics
FT (10/9/2008)
Associate Director, Harvard Law School Fund Req. 35477, Gr. 057
Harvard Law School/Development and Alumni Affairs
FT (10/9/2008)
Assistant Director Harvard Law School Fund Req. 35543, Gr. 056
Harvard Law School/Annual Fund
FT (10/16/2008)
Associate Director for External Relations Req. 35547, Gr. 058
Faculty of Arts and Sciences/Institute for Quantitative Social Science / ideas42
PT, SIC, (10/16/2008)
Senior Class Coordinator Req. 35569, Gr. 055
Alumni Affairs and Development/Harvard Alumni Association
FT, SIC, (10/16/2008)
Associate Director of Development, Major Gifts Req. 35622, Gr. 058
Harvard Divinity School/Development and External Affairs
FT (10/23/2008)

Communications

Science Writer/Editor (Research Administrator) Req. 35574, Gr. 057
Faculty of Arts and Sciences/Systems Biology
FT (10/16/2008)
Assistant Dean for Communications Req. 35581, Gr. 061
Harvard Law School/Communications
FT (10/23/2008)

Dining & Hospitality Services

Kitchenperson/Chef’s Helper/Potwasher/Laundryperson Combo Req. 35497, Gr. 012
Dining Services/Adams
Union: HEREIU Local 26, PT (10/9/2008)
General Service-Kitchen person/Potwasher/Chef Helper Req. 35485, Gr. 010
Dining Services/Quincy
Union: HEREIU Local 26, PT (10/9/2008)
Kitchenperson/Chef’s Helper/Potwasher/Laundryperson Combo Req. 35495, Gr. 012
Dining Services/Annenberg
Union: HEREIU Local 26, FT (10/9/2008)
Chef/Production Manager Req. 35471, Gr. 056
Dining Services/Dining Services
FT (10/9/2008)
Kitchenperson/Chef’s Helper/Potwasher/Laundryperson Combo Req. 35493, Gr. 012
Dining Services/Dunster/Mather
Union: HEREIU Local 26, FT (10/9/2008)
General Services Req. 35487, Gr. 010

Dining Services/Quincy
Union: HEREIU Local 26, PT (10/9/2008)
General Services Req. 35494, Gr. 010
Dining Services/Cabot/Pforzheimer
Union: HEREIU Local 26, PT (10/9/2008)
General Services Req. 35496, Gr. 010
Dining Services/Annenberg
Union: HEREIU Local 26, PT (10/9/2008)
General Services Req. 35491, Gr. 010
Dining Services/Leverett
Union: HEREIU Local 26, PT (10/9/2008)
General Service - Kitchenperson/Potwasher -Salad Person - Checker Req. 35557, Gr. 010
Dining Services/Hillel/Quincy
Union: HEREIU Local 26, PT (10/16/2008)
Assistant Cook Req. 35556, Gr. 016
Dining Services/Cabot/Pforzheimer
Union: HEREIU Local 26, PT (10/16/2008)
General Service Req. 35559, Gr. 010
Dining Services/Lowell/Winthrop
Union: HEREIU Local 26, FT (10/16/2008)
General Services Req. 35558, Gr. 010
Dining Services/Dunster/Mather
Union: HEREIU Local 26, PT (10/16/2008)

Facilities

Electrician (High Tension Technician) Req. 35627, Gr. 029
University Operations Services/Engineering & Utilities
Union: ATC/IBEW Local 103, FT (10/23/2008)

Finance

Assistant Finance Manager Req. 34358, Gr. 057
Harvard Medical School/Systems Biology
FT (7/10/2008)
Financial Analyst Req. 35474, Gr. 056
University Administration/Interfaculty Initiatives, Shared Services Team
FT (10/9/2008)
Senior Financial Reporting Analyst Req. 35469, Gr. 058
Faculty of Arts and Sciences/FAS Office of Finance
FT, SIC, (10/9/2008)
Cost Analyst Req. 35568, Gr. 056
Harvard School of Public Health/Office of Financial Services
FT (10/16/2008)
Senior Financial Planning Administrator Req. 35538, Gr. 058
Harvard Medical School/Financial Operations and Analysis
FT (10/16/2008)
Director, Office of Budgets and Financial Planning Req. 35607, Gr. 061
Financial Administration/Office of Budgets and Financial Planning
FT, SIC, (10/23/2008)
Associate Director, Office of Budgets and Financial Planning Req. 35606, Gr. 060
Financial Administration/Office of Budgets and Financial Planning
FT (10/23/2008)
Financial Analyst Req. 35629, Gr. 058
University Operations Services/Administration & Finance
FT (10/23/2008)
Manager of Grants and Faculty Accounting Req. 35585, Gr. 056
JFK School of Government/Executive Education
FT (10/23/2008)

General Administration

Staff Assistant (III) Req. 35516, Gr. 053
University Administration/Office of the President
FT (10/9/2008)
Executive Assistant Req. 35529, Gr. 056
University Administration/Office of Faculty Development & Diversity
FT (10/9/2008)
Program Director (EdLabs NYC) Req. 35527, Gr. 058
Faculty of Arts and Sciences/Institute for Quantitative Social Science/Education Innovation Laboratory
FT (10/9/2008)
Director of Animal Biological Safety Laboratory Level 3 (ABSL3) Req. 35453, Gr. 058
Harvard School of Public Health/Immunology and Infectious Diseases
FT, SIC, (10/9/2008)
Program Manager (NYC) Req. 35576, Gr. 055
Faculty of Arts and Sciences/Institute for Quantitative Social Science/Education Innovation Laboratory
FT (10/16/2008)
Law School Sustainability Coordinator Req. 35544, Gr. 055
University Operations Services/Harvard Green Campus Initiative
FT (10/16/2008)
Business Process Manager Req. 35566, Gr. 058
Financial Administration/Financial Administration Systems Solutions
FT (10/16/2008)
Program Manager (NYC) Req. 35575, Gr. 055
Faculty of Arts and Sciences/Institute for Quantitative Social Science/Education Innovation Laboratory
FT (10/16/2008)
Executive Director Req. 35588, Gr. 061
School of Engineering & Applied Sciences/Wyss Institute
FT (10/23/2008)
Executive Director Req. 35589, Gr. 062
School of Engineering & Applied Sciences/Wyss Institute
FT (10/23/2008)
Program Director, Faculty Appointments Req. 35621, Gr. 058
Harvard Medical School/OFA
FT (10/23/2008)
Chief of Staff Req. 35623, Gr. 061
University Administration/Office of the Executive Vice President
FT, SIC, (10/23/2008)

Health Care

Nurse Practitioner - Fast Track Triage Req. 35618, Gr. 058
University Health Services/Internal Medicine
FT (10/23/2008)

Human Resources

Director - New England Higher Education Consortium & Project Manager Req. 35536, Gr. 057
University Administration/Employment Services
FT (10/16/2008)

Information Technology

Quality Assurance Analyst Req. 35521, Gr. 056
Faculty of Arts and Sciences/Registrar/FAS

FT (10/9/2008)
Business Systems Analyst (PeopleSoft) (Systems Operations Analyst) Req. 35511, Gr. 057
Financial Administration/FAD Systems Solutions
FT (10/9/2008)
Senior Software Engineer Req. 35518, Gr. 058
Faculty of Arts and Sciences/Registrar
FT (10/9/2008)
Senior Business Systems Analyst Req. 35519, Gr. 058
Faculty of Arts and Sciences/Registrar’s Office
FT (10/9/2008)
Senior Software Engineer Req. 35520, Gr. 058
Faculty of Arts and Sciences/Registrar
FT (10/9/2008)
Senior Web & Applications Programmer Analyst Req. 35507, Gr. 058
School of Engineering & Applied Sciences/IT
FT (10/9/2008)
Student Information Systems Support Specialist Req. 35554, Gr. 056
Harvard Divinity School/IT&MS
FT (10/16/2008)
Senior User Experience Architect Req. 35561, Gr. 059
Harvard Business School/Knowledge and Library Services
FT (10/16/2008)
Data Administrator Req. 35580, Gr. 055
Harvard Law School/Registrar
FT (10/23/2008)
Senior Data Architect and Developer Req. 35624, Gr. 058
Faculty of Arts and Sciences/FAS IT
FT (10/23/2008)
Senior Software Manager Req. 35620, Gr. 059
University Health Services/Information Services
FT (10/23/2008)
Technical Support & Service Team Lead Req. 35617, Gr. 057
School of Engineering & Applied Sciences/IT
FT (10/23/2008)

Library

Information Lifecycle Manager Req. 35553, Gr. 058
Harvard Business School/Knowledge and Library Services
FT (10/16/2008)
Director, Library and Knowledge Services Req. 35579, Gr. 060
JFK School of Government/Library Services
FT (10/23/2008)

Research

Andrew W. Mellon Postdoctoral Fellowship for Scientists in Conservation Req. 35528, Gr. 090
Art Museums/HUAM Conservation
FT (10/9/2008)
Research Associate Req. 35587, Gr. 055
Harvard Business School/Division of Research & Faculty Development
PT (10/23/2008)
Research Associate Req. 35593, Gr. 055
Harvard Business School/Division of Research & Faculty Development
PT (10/23/2008)

Technical

Senior Mechanical Engineer Req. 35578, Gr. 059
University Operations Services/Engineering & Utilities
FT (10/16/2008)

Third class of Lemann Fellows comes into residence at Harvard

The Harvard University Brazil Studies Program at the David Rockefeller Center for Latin American Studies (DRCLAS) recently welcomed its third class of Lemann Fellows.

Funded by a generous gift from Jorge Paulo Lemann '61, the Lemann Fellowships afford Brazilians who work or aspire to work as professionals in public health, public policy, or education the opportunity for advanced study and training through a degree program or an executive education program at the Harvard School of Public Health (HSPH), Harvard Kennedy School (HKS), or Harvard Graduate School of Education (HGSE). The aim of the fellowship program is to help build a stronger, more effective public sector in Brazil. Eligible incoming students automatically participate in the annual selection process for the Lemann Fellowships following their admission. The University Committee on General Scholarships awards the fellowships.

Margot Gill, administrative dean of the Graduate School of Arts and Sciences (GSAS), welcomed the group of fellows.

"The Lemann Fellows program attracts top students from Brazil to Harvard and, in the process, enhances diversity at the University and contributes to building a cohort of Harvard-trained professionals from Brazil in these critical areas of public service," said Gill.

These fellowships may also be awarded to students of any nationality at the GSAS whose study and dissertations focus on an aspect of Brazil. According to Merilee Grindle, director of DRCLAS, "The Lemann family gift to the University guarantees the permanence of this fellowship program, and it is already having a significant impact in Brazil and at Harvard through the ability to attract very impressive students to prepare for careers in public service."

The 2008-09 Lemann Fellows

Eduardo de Campos Queiroz will be a Lemann Fellow in the Edward S. Mason Program at the Kennedy School. Prior to being accepted to HKS he studied at the Fundação Getulio Vargas in São Paulo and worked for Outward Bound in both Brazil and Mexico. While completing a master's in public administration, he will focus on his interests in collaborative governance and leadership in public service and on building effective partnerships among government, nonprofit, and private sectors — especially in the area of education.

Fabio Tran is currently pursuing a master's in public administration at the Kennedy School concurrent with a master's in business administration at Northwestern University's Kellogg School of Management. His plan of study at HKS focuses on course work that can contribute to his interest in working to foster growth and development in emerging economies through hybrid public-private solutions. Previously, Tran worked for five years at

development in Brazil.

Frederico Meinberg F. de Moraes will pursue a master's in public administration in international development at the Kennedy School. After four years working in computational mathematics at Wolfram Research in Germany, he arrives in Cambridge seeking to advance his interests in economic policy-making, political economy of trade and financial flows, and data analysis.

their racial and class identification in light of the changes in racial order that have affected the two societies in recent decades. As a Lemann Fellow, she is in Rio de Janeiro for the academic year, conducting follow-up interviews with her respondents and collecting and analyzing data.

Leonardo Almeida Bursztyn is a fourth-year Ph.D. student in the Economics Department. He is spending the fall semester in Brazil researching the significant role that education plays in the economic development process. Bursztyn will conduct a project with 1,000 families in the Brazilian Federal District that will have important public policy implications in terms of the design and targeting of social programs in developing countries.

Maryam Gharavi, a fourth-year Ph.D. student in comparative literature, is working on a project that examines discourses of modernity and modernization under Fascist Brazilian regimes of the late 20th century. She is conducting research and fieldwork in Brazil for the academic year as a Lemann Fellow. Her research focuses on oppositional discourses and transgressive acts by artists in this period in relation to the Brazilian state's agenda of technological and architectural "progress."

Maurilio Santana Junior will pursue a master's in public administration in International Development at the Kennedy School. Trained as a lawyer by the Federal University of Parana, Santana worked as a manager in Caixa Econômica Federal, a Brazilian

publicly owned bank that is actively engaged in providing financial market access to low-income households. His interests include microcredit and strategic planning to foster Brazil's development.

Ridalva Dias Martins Felzemburgh is a Ph.D. student in investigative medicine at the Fundação Oswaldo Cruz in Salvador. She attended the 2008 summer program in clinical effectiveness, at HSPH, and her goal is to contribute to addressing the health needs of impoverished communities, particularly in urban *favelas* in Brazil.

Stairway to heaven



Kris Snibbe/Harvard News Office

Gund Hall, which houses the Graduate School of Design, looks like a series of steps going skyward.

A.T. Kearney Management Consultants, supporting government and private companies in strategic and finance issues in South America.

Francisco O.G. Almendra is in the second year of the master's in public administration in international development program at the Kennedy School. Holding a bachelor's degree in economics from Instituto Brasileiro de Mercados Capitais in Rio de Janeiro, and with extensive professional experience in Brazil, China, and South Africa, Almendra's main interest is in education policy as an engine to

Gisela Gasparian Gosling will pursue her master's in public administration in international development at the Kennedy School. Inspired by her experience in policy-related consulting at McKinsey, Gosling's goals include developing an expertise in public policy in Brazil and finding ways to leverage global knowledge to improve the performance of local government institutions in Brazil.

Graziella da Silva is in her sixth year at GSAS and is currently working on her dissertation in sociology, focusing on how black professionals in Brazil and South Africa construct

Celebration honors faculty and staff for 25 years of service to the University

One hundred fourteen Harvard employees were honored on Monday (Oct. 20) for reaching a milestone: 25 years of service to the University. The 54th annual 25 Year Recognition Ceremony — a unique event in that it recognizes both faculty and staff from across the entire University — was held at Sanders Theatre.

President Drew Faust hosted the ceremony, with opening remarks provided by Marilyn Hausammann, vice president for human resources. Krishna Palepu, the Ross Graham Walker Professor of Business Administration at the Harvard Business School, and Susan Shefte, director of Special Projects in the Office of the Vice President for Administration, were the honoree guest speakers.

The Harvard Glee Club and the Kumbha Singers performed, and the ceremony was followed by a reception for honorees and their guests.

Honorees

Jean Marie Adams
Michele Wong Albanese
Norton Thomas Allen
Ali S. Asani
June Beth Banks
Lucian Arye Bebchuk
Howard C. Berg
Steven B. Bloomfield
Thomas Bossert
Timothy Burns
Sheila M. Caldwell
Margaret Carayannopoulos
Nelly N.T. Clarke
Joaquim-Francisco Coelho
Peter T. Conlin
Howard M. Connelly
Pamela Cornell
Anne Marie Countie
Linda Armstrong Cross
Mary Ann Culhane

Linda J. Cyr
Marcia Deihl
Alison H. Doane
Rose Doherty
Maureen Patricia Donovan
Marcia G. Duvall
Elizabeth Eggleston
Antonio P. Ethier Jr.
Leandro Z. Evangelista
David A. Evans
Michael J. Fallon
Lucia De Fatima Barros
Ronald F. Ferguson
Jeffrey S. Flemming
David R. Foster
Mary Jo Fresolo
Mary Ellen Geer
Pankaj Ghemawat
Merilee S. Grindle
Sarah Harder
Peggy L. Herlihy
Mary Higgins
Jane E. Hill

David R. Hobbs
Caroline McBurney
Howard
John Huehnergard
Cynthia A. Huff
Wayne Ishikawa
Shiro Iuchi
Robert S. Kaplan
Frank E. Kasprzyk
Theresa E. Kennedy
Maura Ann Kilcommons
Doreen Marie Klein
Roberto Guillermo Kolter
Stephen M. Kosslyn
Frank Levy
Elizabeth K. Liao
Roderick MacFarquhar
Gregston Maxwell
Cecilia T. McCormack
Janice McCormick
Paula McHugh
Nancy McKeown
Marie Medeiros
Donna M. Mercier

Katherine K. Merseth
Barbara Mitchell
Richard J. Murnane
Geri Nederhoff
Peter Nisbet
Hugh Joseph O'Connor
Robyn Ochs
Mary Odle
Leah Orent
Krishna G. Palepu
Linda M. Paolera
David L. Paul
Sid Paula
Irene M. Perry
Hana Pyro
Octavio A. Ramirez
Rebecca Ramsay
V. Kasturi Rangan
Jennie Henry Rathbun
Thomas J. Reardon
Dianne Ribeirinha-Braga
Louise Richardson
Elaine Laura Roberts
Kathryn A. Ryan

William J. Santoro
John M. Scalia
Linda M. Schneider
Aparna Sen
Barbara Sewall
Susan Shefte
Lynn M. Shirey
Werner Sollors
Ned Strong
Lawrence E. Stager
Dale C. Taber-O'Keefe
Stanley Tabor
Jay L. Taft
Robert D. Turner
David Kimball Urion
Patricia O. Walsh
Suzanne Washington
Richard F. Whalen III
Larry D. Williams
Martha Stone Wiske
Karen M. Wood
Jeanette F. Yackle
John H. Yatteau
Daniel J. Young

Faculty of Medicine — Memorial Minute

Joe was a steady presence, the ‘go-to’ person for everyone. His commitment and his generosity with time and concern were legendary bedrocks of stability in an often-turbulent environment.



Joseph J. Schildkraut

For a period during the late 1950s and 1960s, psychiatry attracted some of the most capable graduates of US medical schools. Intrigued by the conceptual interest of psychoanalytic theory, and the possibility of treatment via the couch, these students chose for residency departments of psychiatry that featured grounding in psychoanalysis. One of these was Joe Schildkraut, a 1955 summa cum laude graduate of Harvard College, where he was elected to Phi Beta Kappa in his junior year, and a 1959 cum laude graduate of Harvard Medical School. Having selected the Massachusetts Mental Health Center because of its reputation as a program offering a psychoanalytic approach, he found himself as a trainee intrigued by the dramatic response of depressed patients to the administration of electroconvulsive therapy, and imipramine and phenelzine, then being used clinically for the first time. Although Joe continued to be respectful of psychoanalytic treatments, that revelation altered his academic trajectory, and stoked a career that soon played a major role in launching research into the biological mechanisms of depression.

Joe's interest in the biological components of depression was given shape and substance by work with Milton Greenblatt who had set up a research unit at Mass Mental Health Center allied with a research laboratory at the Peter Bent Brigham Hospital. The laboratory could measure in urine vanillylmandelic acid (VMA), the deaminated metabolite of norepinephrine. Joe observed that either Imipramine or phenelzine, two very different drugs, when given to depressed patients, led to an increase in VMA that was linked to clinical improvement. Having published this seminal finding, Joe went to the National Institute of Mental Health as a Clinical Associate and worked for four years with Seymour Kety, Irv Kopin, Jack Durrell, and Saul Schanberg. The result of this work was a paper, "The Catecholamine Hypothesis of Affective Disorders: A Review of Supporting Evidence" (1965). This paper, eventually the most frequently cited paper published in the American Journal of Psychiatry, launched 25 years of global research on the relationship between neurotransmitter function and affective disorders. Later versions of this hypothesis were published in Science with Seymour

Kety as a co-author, and in the New England Journal of Medicine.

Returning to Mass Mental Health Center in 1967, Joe set up the Neuropsychopharmacology Laboratory, which became the locus of his scientific work for the rest of his life. There he elaborated the concept presented in his seminal review article by defining subtypes of depression that could be identified by their biochemical "signature" based on measurement of norepinephrine metabolites in the urine. In retrospect, this work was a pioneering precursor of current research that seeks to replace diagnoses based on clinical signs and symptoms with a classification scheme grounded in biological markers that are much closer to actual disease processes. It also anticipated current efforts toward personalized medicine, to identify treatments that are tailored to attack disease subtypes defined by biological markers, including, now, allelic variants of DNA.

Another groundbreaking implication of Joe's work placed psychiatric disorders squarely in the realm of other medical conditions. For the first time it was possible to understand why depression is a frequent concomitant of disorders affecting metabolic processes in the liver. Rather than being viewed primarily as a psychological reaction to illness and disability, the depression associated with such disorders as infectious mononucleosis and hepatitis that affect liver function could now be understood as the result of disturbed norepinephrine metabolism. There was thus solid evidence that mental disorders were not simply manifestations of a set of psychological factors, but rather a clinical reaction to disturbed physical processes that could be understood by the same tools and the same conceptual framework as other illnesses.

Through the Neuropsychopharmacology Laboratory Joe became not only a productive researcher, but a dedicated mentor as well. A series of young investigators launched their careers with him. They included Daniel Weinberger, Carl Salzman, Jon Gudeman, Geraldine Cassens, Paul Orsulak, Carl Schwartz, John Mooney, Jacqueline Samson-Jain, Alan Schatzberg, and Alan Green. As his career ripened, he became an indispensable guru to the entire Mass Mental Health Center faculty. His loyalty to the institution was deeply felt by him and, in consequence, by all of the staff. When times

were difficult, as they had always been at that unusual place, Joe's steadfast loyalty, and his helpful attitude assisted both trainees and staff to see a broader perspective in the value of public psychiatry at Harvard. In his later years, particularly, sequestered in his shadowy office, reclining on a Lazy Boy for his bad back, Joe was a steady presence, the "go-to" person for everyone. His commitment and his generosity with time and concern were legendary bedrocks of stability in an often-turbulent environment.

Although Mass Mental Health Center had been a staunch participant in psychiatric research since its founding in 1912, its core mission was the care of patients with profound mental disorders. That tenacious clinical imperative deeply affected Joe's research interests and the arc of his career. Before the term "translational research" had come into widespread use, Joe had oriented the Neuropsychopharmacology Laboratory in a clinical direction. Seeking to bring research findings to the bedside, Joe developed, in the 1970s and 1980s, a relationship with the New England Deaconess Hospital to offer clinicians laboratory studies of patients to refine treatment decisions in terms of subtypes of depression.

His scientific work, recorded in 245 publications, led to numerous honors including the first Anna Monika Foundation Prize, the McCurdy-Rinkel Prize for Research from the Massachusetts Psychiatric Society, the Hofheimer Prize for Research from the American Psychiatric Association, the William C. Menninger Award from the American College of Physicians, the Lifetime Achievement Award from the Society of Biological Psychiatry, and the Award for Research in Mood Disorders from The American College of Psychiatrists. He was also a Fellow of the American College of Neuropsychopharmacology, the pre-eminent research organization advancing the neurobiological basis of psychiatric disorders. He was Editor-in-Chief of the Journal of Psychiatric Research from 1982-1992 and served on the editorial boards of numerous psychiatric and medical journals.

Like many creative people, Joe's talents were multi-faceted. Although personally precise, measured, and somewhat formal in demeanor, his avocation involved a lively interest in modern art, and particularly the works of the Catalan artist, Joan Miró. Not

content to be simply an observer, Joe brought his clinical acumen and his intensity to understanding the source and the trajectory of Miró's creativity. His view was that the work was the product of a depressive nature and represented a creative outcome of Miró's emotional state. For Joe, the fanciful shapes in Miró's pictures represented a "direct and lonely confrontation with the ultimate existential questions, whether to live or to die." Thus depression for him was "one of the things that humans happen to be capable of experiencing," rather than only a disorder. This view of one source of the creativity of a great artist disturbed critics as well as Miró's relatives, and generated conflict that was eventually resolved by the acknowledgment of Miró's grandson that his grandfather had indeed suffered from depression. Joe's work on art resulted in a number of publications in scholarly journals on Miró, Rembrandt, and the Abstract Expressionists of the New York School. It led to his co-organizing with Aurora Otero in 1993 a symposium at the Miró Foundation in Barcelona, titled "Depression and the Spiritual in Modern Art: Homage to Miró," which was later published in a book by the same name.

In 1965 in Washington while he was working at NIMH he met Betsy Beilenson. With uncharacteristic speed he decided on the first date that he must marry her; after another date or two, she agreed. Their two sons, Peter and Mike, along with Betsy made a family that for nearly 40 years occupied first place in his concerns, despite his commitment to science and long hours of work.

Joe died on June 26, 2006 after a year-long painful struggle with esophageal cancer. At a memorial service three months later at Memorial Church in Harvard Yard, yet another, largely unknown aspect of his passions was revealed when the Harvard Band played a medley of Harvard football songs as his family and devoted friends walked to the Harvard Faculty Club for a reception celebrating his exemplary life and a career in science that helped to change the world.

Respectfully Submitted,

Miles F. Shore, Chairperson
Joseph T. Coyle
Alan I. Green
John J. Mooney



Peabody Museum brings Day of Dead to life

Harvard's Peabody Museum of Archeology and Ethnography will come alive in a unique way Nov. 2 when it joins the Consulate General of Mexico in Boston in hosting a celebration of the traditional Mexican holiday Día de los Muertos (Day of the Dead).

The Day of the Dead combines Mesoamerican and Christian rituals by remembering and celebrating the dead on Nov. 1 (All Saints' Day) and Nov. 2 (All Souls' Day). The museum will host a family event from 1 to 4:30 p.m. featur-

ing traditional dance performances by Harvard's Ballet Folklórico, craft activities including *papel picado* (colorful Mexican paper decoration), *calaca* (skull) masks, paper marigolds, and sugar skull workshops.

A fiesta from 6 to 9 p.m. will feature *salsa*, *son*, and *mariachi* music. Visitors will also have the opportunity to watch demonstrations by wood carver Ventura Fabian of Oaxaca, Mexico, taste *pan de muerto* (bread of the dead), sip Aztec chocolate, and much more.

All activities are free with museum admission with the exception of the sugar skull workshops, which cost \$5 per participant. For more information, contact (617) 495-2269.

A detail (left) of an altar created from objects from the Alice Melvin Mexican Folk Art Collection and offerings of regional artists.

Artist's conception of the 4C60.07 system of colliding galaxies. The galaxy on the left has turned most of its gas into stars, and the black hole in its center is ejecting charged particles in the two immense jets shown. The galaxy on the right also has a black hole causing the galaxy's central region to shine, but much of its light is hidden by surrounding gas and dust. Vast numbers of stars are forming out of the gas and dust, and some of the material is being pulled away from the galaxy.

Illustration
David A. Hardy/
UK ATC

Colossal black holes common in the early universe



Black holes are the heart of galaxies

Astronomers think that many — perhaps all — galaxies in the universe contain massive black holes at their centers. New observations with the Submillimeter Array now suggest that such colossal black holes were common even 12 billion years ago, when the universe was only 1.7 billion years old and galaxies were just beginning to form. The new conclusion comes from the discovery of two distant galaxies, both with black holes at their heart, which are involved in a spectacular collision.

4C60.07, the first of the galaxies to be discovered, came to astronomers' attention because of its bright radio emission. This radio signal is one telltale sign of a quasar — a rapidly spinning black hole that is feeding on its home galaxy.

When 4C60.07 was first studied, astronomers thought that hydrogen gas surrounding the black hole was undergoing a burst of star formation, forming stars at a remarkable rate — the equivalent of 5,000 suns every year. This vigorous activity was revealed by the infrared glow from smoky debris left over when the largest stars

rapidly died.

The latest research, exploiting the keen vision of the Submillimeter Array of eight radio antennas located in Hawaii, revealed a surprise. 4C60.07 is not forming stars after all. Indeed, its stars appear to be relatively old and quiescent. Instead, prodigious star formation is taking place in a previously unseen companion galaxy, rich in gas and deeply enshrouded in dust, which also has a colossal black hole at its center.

"This new image reveals two galaxies where we only expected to find one," said Rob Ivison (U.K. Astronomy Technology Centre), lead author of the study that will be published in the *Monthly Notices of the Royal Astronomical Society*. "Remarkably, both galaxies contain supermassive black holes at their centers, each capable of powering a billion, billion, billion light bulbs. The implications are wide-reaching: You can't help wondering how many other colossal black holes may be lurking unseen in the distant universe."

Due to the finite speed of light, we see the two galaxies as they existed in the distant past, less than 2 billion years after the

Big Bang. The new image from the Submillimeter Array captures the moment when 4C60.07 ripped a stream of material from its neighboring galaxy (as shown in the accompanying artist's conception). By now the galaxies have merged to create a football-shaped elliptical galaxy. Their black holes are likely to have merged and formed a single, more massive black hole.

The galaxies themselves show surprising differences. One is a dead system that has formed all of its stars already and used up its gaseous fuel. The second galaxy is still alive and well, holding plenty of dust and gas that can form new stars.

"These two galaxies are fraternal twins. Both are about the size of the Milky Way, but each one is unique," said Steve Willner of the Harvard-Smithsonian Center for Astrophysics (CfA), a co-author of the paper.

"The superb resolution of the Submillimeter Array was key to our discovery," he added.

The Submillimeter Array is a collaborative project between the CfA and the Academia Sinica Institute of Astronomy & Astrophysics of Taiwan.

Judaica Division concert includes world premiere of sax concerto

As part of its celebration of the 60th anniversary of the founding of Israel, the Harvard College Library's Judaica Division will host the world premiere of a saxophone concerto composed by an award-winning Israeli composer Nov. 2, at 3 p.m. at Sanders Theatre.

Composed by Betty Olivero, the concerto, titled "Kri'ot," is part of the concert "Israel at 60: Six Decades of Innovative Music" that will include performances of a handful of pieces by the Boston Modern Orchestra Project.

A limited number of complimentary tickets to the performance, which will also feature works by some of Israel's most influential composers, will be made available to Harvard affiliates, said Charles Berlin, Lee M. Friedman Bibliographer in Judaica in the Harvard College Library.

"We really would like to provide more access for people who might be interested (in the concert)," Berlin said of the complimentary ticket offer.

The concert will also include compositions from Paul Ben-Haim, Mark Kopytman, and Joseph Tal. A 2 p.m. pre-concert talk will feature Avi Hanani, director of classical music at the Israel Broadcasting Authority.

Olivero's composition was commissioned by the Friends of the Harvard Judaica Collection through a gift from its president, David B. Keidan '66. The concert is sponsored by the Judaica Division and the Combined Jewish Philanthropies of Greater Boston.

Members of the Harvard community interested in receiving one or two complimentary tickets to the performance can contact the Judaica Division at juddiv@fas.harvard.edu.

— Peter Reuell/
HCL Communications

Pulitzer

(Continued from page 1)

The Pulitzers' sustained history of donations to build the collection at the Harvard Art Museum and their wide-ranging support of the institution have played a significant role in enhancing the University's commitment to the study and appreciation of the visual arts.

Mrs. Pulitzer's gifts come at a time when the Art Museum has launched a major initiative that will enable it to better advance its mission as a leading center for research and teaching in the visual arts. A central component of the plan is an increasing integration of the museum's collections and programs into the academic life of the entire University. The Art Museum, working with architect Renzo Piano, has embarked on an extensive renovation and expansion of its historic facilities at 32 Quincy St. in Cambridge. The new design will allow a far more effective presentation of the collections and exhibitions of the three museums that compose the Harvard Art Museum — the Fogg Museum, the Busch-Reisinger Museum, and the Arthur M. Sackler Museum — in new exhibition galleries and study centers and will greatly enhance the museum's research and education facilities.

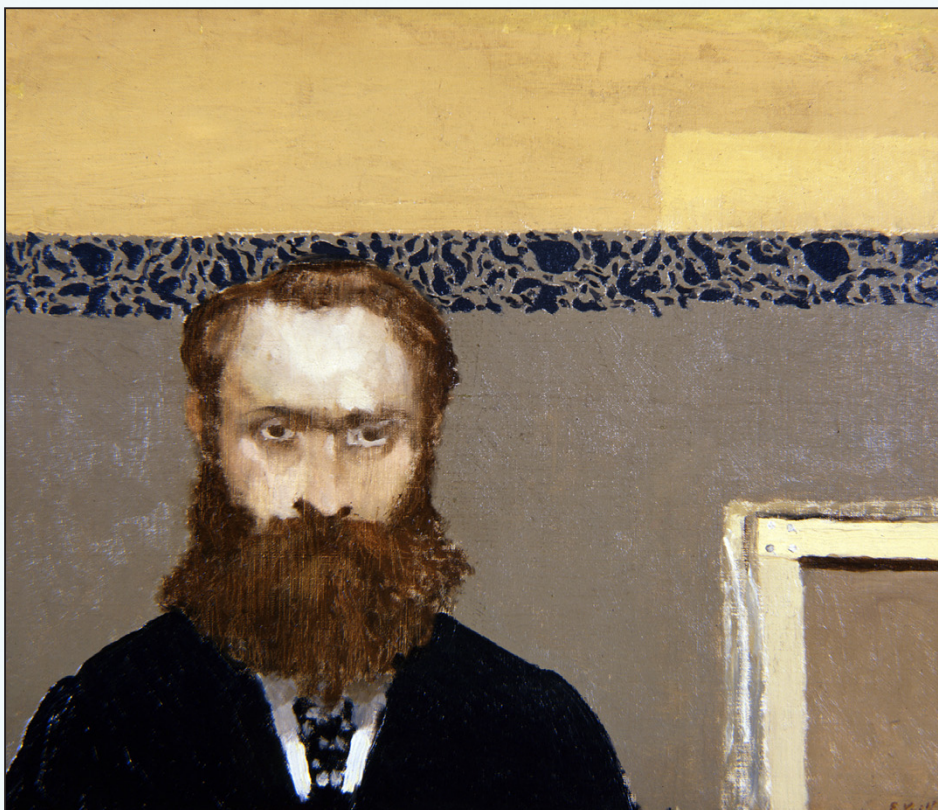
"The Harvard Art Museum's distinguished collections and dedication to teaching and research in the arts have had a significant impact on the field, on scholarship, and on my own life," noted Mrs. Pulitzer. "Both Joe and I have supported the Art Museum over the years in recognition of Harvard's unparalleled role in the development of professionals in the arts worldwide and because of our belief that the arts are a cornerstone in learning and education in all fields. My gift is also a way of thanking Harvard for the enrichment of my life and the defining role that art has played for me. The Harvard Art Museum's new project will expand the ways that art advances education even further and I am very proud to support the museum as it moves forward."

"I am especially grateful for this remarkable gift because it is the continuation of a lifetime of giving of art, financial support, and time to the Art Museum and Harvard by Emmy and Joe," said Drew Faust, president of Harvard University and Lincoln Professor of History. "The arts are central to the academic life of Harvard University. Emmy's generosity will help ensure that they play an even more robust role on campus and in the lives of all our students, whether they are studying the arts, economics, law, medicine, physics, or other disciplines."

"Emmy has been the Art Museum's most active and dedicated benefactor, and her and Joe's long-term, substantive support has enriched the experience of countless students, researchers, and visitors," noted Thomas W. Lentz, Elizabeth and John Moors Cabot Director of the Harvard Art Museum. "This current gift provides tremendous new strength in the museum's holdings of modern and contemporary art. Emmy and Joe's personal involvement and profound generosity stand as a model of institution-building and will advance scholarship in the visual arts for generations to come."

Mrs. Pulitzer's formal involvement with the Art Museum began in 1957 when she served as assistant curator of drawings — working under the legendary curator Agnes Mongan — a position Mrs. Pulitzer held until 1964. She received her master's degree in the arts from Harvard in 1963 and has served in numerous leadership roles at the Art Museum and at Harvard, including as a chair and member of the Art Museum's Visiting Committee and Collections Committee, beginning in the early 1990s. She also serves on the University's Board of Overseers and is a member of its Standing Committee on Humanities and Arts, as well as the President's Advisory Committee on the Allston Initiative.

Mr. Pulitzer was a member of the Harvard College Class of 1936 and, like his wife, filled many leadership positions at the Art Museum and the University, including:



- Member, Board of Overseers, 1976–1982
 - Member, Visiting Committee, Art Museum, 1971–1993, and vice chair, 1976–1983
 - Member, Visiting Committee, Fine Arts Department, 1949–1971 and 1976–1982, and chair, 1976–1982.
- In addition to their other support of the University, Mr. Pulitzer provided a gift to endow the Joseph Pulitzer Jr. Professorship of Modern Art in Harvard's Faculty of Arts and Sciences, which was activated with the appointment of Yve-Alain Bois in 1991. Mr. Pulitzer served as the editor and publisher of the St. Louis Post-Dispatch and chairman of the Pulitzer Publishing Company for 38 years. He also served as chairman of the Pulitzer Prize Board from 1955 through 1986.

Mr. Pulitzer's support of the Art Museum was both far-ranging and far-sighted, beginning in 1939 when he anonymously pledged \$6,000 — \$2,000 a year — for a Fogg Museum Fellowship in Modern Art for postgraduate study abroad. The fellowship was administered by a small committee that included Ed-

ward Forbes, Paul Sachs, Alfred Barr, and eventually Meyer Schapiro. Fellowships were granted over the next three years to Francis Catlin, Milton Brown, and John McAndrew, all of whom became distinguished art historians. In 1958, Mr. Pulitzer anonymously established a fund for the acquisition of modern art, which enabled the Art Museum to acquire a major Mondrian drawing and a painting by Jackson Pollock. In 1976, for his 40th reunion, Mr. Pulitzer established a named endowment, the Joseph Pulitzer Jr. AB '36 Beneficiary Aid Fund, which continues to this day to support research travel for undergraduate art history concentrators.

Emily Rauh Pulitzer and her late husband Joseph Pulitzer Jr. have been prominent supporters of the arts and built one of the country's premier private art collections. The Pulitzers have made generous gifts to many organizations and institutions, especially those in St. Louis, the city in which they have deep roots and commitments. These include gifts of works of art and a leadership gift to the capital campaign of the St. Louis Art Museum, the St. Louis Symphony Orchestra, Grand Center, the Contemporary Art Museum St. Louis, and Washington University.

Owing to the Pulitzers' commitment to St. Louis and to further strengthen the experience of the arts, Mrs. Pulitzer founded The Pulitzer Foundation for the Arts in a developing neighborhood. It opened in St. Louis in 2001 in a building designed by architect Tadao Ando. Through art exhibitions, programs, collaborations, and exchanges with other institutions — including the Harvard Art Museum — the Pulitzer Foundation aims to foster a deeper understanding and appreciation of art and architecture and is a resource for artists, architects, scholars, students, and the general public.

Emily Rauh Pulitzer's gift of 31 major artworks to the University includes important paintings and sculptures by Brancusi, Derain, Giacometti, Lipchitz, Miró, Modigliani, Picasso, Rosso, and Vuillard. Joan Miró's antic 'Woman in the Night' (top) is an oil on canvas painted in 1945. Edouard Vuillard's somber oil on canvas 'Self-Portrait' (above left) is among the many modernist works in Pulitzer's gift, as is the 1926 polished bronze sculpture 'Sleeping Muse II' (below) by Constantin Brancusi.

