

## Inside & ONLINE



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www.hno.harvard.edu/multimedia/stadium.html

## Gift spurs public service efforts

*Enables appointment of second CPIC fellow, other initiatives*

By Corydon Ireland  
Harvard News Office

At a late-afternoon reception in University Hall's Faculty Room last week (Nov. 13), Harvard President Drew Faust and Harvard College Dean Evelyn Hammonds gratefully acknowledged a \$1 million, multi-year gift from Charlotte Chen Ackert '76 and David Ackert to the University's Center for Public Interest Careers (CPIC). The Ackert family has been an avid supporter of CPIC in recent years, providing volunteer services and financial support and developing placements for interns.

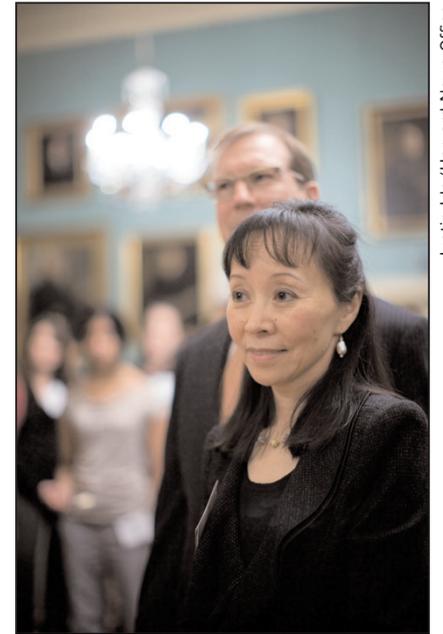
"And now, wild cheering of thanks" for the Ackert family, said Faust, who is also Harvard's Lincoln Pro-

fessor of History. (She got her wish, from an animated assembly of 120 people.) The gift has already made hiring a second CPIC fellow possible, Faust said, and will improve the office's outreach, mentoring, and networking missions.

Faust also announced what will be good news to the large numbers of Harvard College undergraduates attracted to public service summer jobs, internships, and careers. She and Hammonds have just appointed

(See *CPIC*, page 14)

**In addition to allowing for a new fellow, Charlotte Chen Ackert '76 and David Ackert's gift will improve the CPIC outreach, mentoring, and networking missions.**



Justin Ide/Harvard News Office

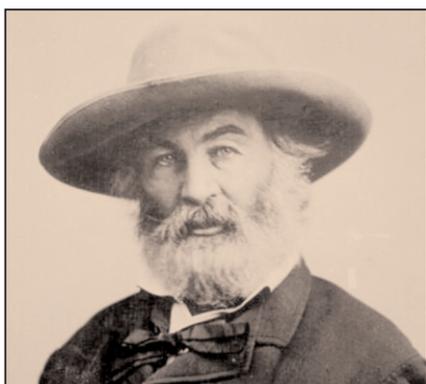
## You are here



Stephanie Mitchell/Harvard News Office

On a sunny fall afternoon, a map on a kiosk in Radcliffe Yard reflects Fay House.

## Poetry, music, death take the stage at New College Theatre



By Colleen Walsh  
Harvard News Office

Bearing the bandages, water and sponge,  
Straight and swift to my wounded I go,  
Where they lie on the ground after the battle  
brought in,

Where their priceless blood reddens the grass, the  
ground ...

So opens the middle section of Walt Whitman's poem about the American Civil War, "The Wound-Dresser." The dramatic stanza also begins contempo-

rary classical composer John Adams' musical work of the same name, written in 1989 for baritone voice and orchestra.

Adams '69, A.M. '72 returned to Harvard on Nov. 17, where he attended a performance of his piece by Harvard's Bach Society Orchestra (a group he led in the 1960s) at the New College Theatre. The concert was followed by a discussion that touched on music, poetry, and the inescapable desperation and death that characterized the United States' bloodiest conflict.

The composition's melody is as haunting as its text. In the opening measures, the strings carry a pulsing

(See *Whitman*, page 8)

## This month in Harvard history

**Nov. 14, 1953** — Before several hundred onlookers, the Harvard Engineering Society unveils a plaque on the south tower of Harvard Stadium to mark the structure's 50th anniversary. Unveiling honors fall to Mrs. George B. de Gersdorff, "whose husband, a member of the Class of 1888, prepared the architectural designs for the Stadium." (Quoted from "Harvard Alumni Bulletin," Nov. 28, 1953)

**Nov. 21, 1953** — In Yale's Woolsey Hall on the morning of the Harvard-Yale football game, Yale confers an honorary Doctor of Laws degree upon recently installed Harvard President Nathan Marsh Pusey '28, AM '32, PhD '37. "Not in his fondest dreams, [Pusey] said — with a solemnity which brought a smile to the faces of the 1,500 in the audience — had he ever aspired to be an alumnus of Yale [ . . . ]." (Quoted from "Harvard Alumni Bulletin," Nov. 28, 1953)

**Nov. 30, 1954** — Houghton and Widener libraries open an exhibition honoring poet Robert Frost, who attends a reception for about 150 guests. Twenty-six exhibition cases show numerous first publications of his work in books, magazines, and pamphlets, along with books about and dedicated to Frost, and souvenirs of his Harvard ties. It is believed to be the largest and most comprehensive exhibition of Frost's published work assembled to date.

Among the highlights is the first public showing of a four-page, handwritten letter (Sept. 11, 1897; Lawrence, Mass.) from Frost to College Dean Le Baron Russell Briggs, explaining his educational situation and requesting admission.

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

## FLU CLINIC

### HUHS to offer flu vaccination clinics through November

Harvard University Health Services (HUHS) will conduct free vaccination clinics throughout November. The clinics will be open to the entire Harvard University community 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. More information on the flu can be found at [www.cdc.gov/flu/](http://www.cdc.gov/flu/).

## PRESIDENT'S OFFICE HOURS 2008-09

President Drew Faust will hold office hours for students in her Massachusetts Hall office on the following dates:

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.

## Noble form



Nick Welles/Harvard News Office

**A sculpture in front of Winthrop House conveys both depth and suffering.**

Following are some of the incidents reported to the Harvard University Police Department (HUPD) for the week ending Nov. 17. The official log is located at 1033 Massachusetts Ave., sixth floor, and is available online at [www.hupd.harvard.edu](http://www.hupd.harvard.edu).

**Nov. 13:** An ID card was stolen at the Hemenway Gymnasium. At 50 Church St., an Apple computer monitor was stolen.

**Nov. 14:** At Buckingham House, officers were dispatched to a report of paint-filled eggs broken against the side of the building. There was also paint on the ground, walkway, and bushes. An officer was dispatched to 1613 Massachusetts Ave. to assist the Cambridge Police Department (CPD) in a report of graffiti on the left side of the building. The reporting party also

stated that the building was broken into and money was stolen. An unwanted guest was sent on their way at Vanderbilt Hall. Officers were dispatched to take a report of an assault at Holyoke Place where an individual was approached and punched in the face by an unknown individual who then left the area. At Currier House, officers were dispatched to the report of an individual who entered a resident's room, laid down next to an individual in bed and engaged the person in conversation. The resident asked the individual to leave multiple times, and when the individual would not, the resident forced the individual to leave. Officers searched for the individual and located them entering another room. Upon further investigation, officers learned the individual had entered a third room and

was placed under arrest, charged with assault and battery, and charged with breaking and entering in the nighttime.

**Nov. 15:** At the Taubman Center, an officer was dispatched to a report of a metal hood vent that fell from the roof onto the ground. The officer also reported that a second vent located above the West stairs was also loose. At Bright Hockey Center, five individuals consuming alcohol were removed from the area.

**Nov. 16:** An unattended purse containing credit cards, a passport, and cell phone was reported stolen at Lehman Hall.

**Nov. 17:** At the Museum of Natural History, \$80 of unattended unsecured cash was stolen. At Jarvis and Everett streets, officers assisted the CPD in placing an individual under arrest.

## IN BRIEF

### Money Mondays offer help

The Office of Human Resources will be offering a special series of "HARVie chats" on banking, benefits, investing, and other financial topics. Harvard staff are invited to visit

<http://harvie.harvard.edu/chats/upcomingchats.shtml> to get information that may help in navigating through the current economic downturn.

Those employees who have never used HARVie's "chats" feature should make sure their Java is updated before logging on. To find out more about how the chats work, visit <http://harvie.harvard.edu/chats/overview/shtml>. The chats take place Mondays at noon. Coming up:

#### Dec. 1, Ask a TIAA-CREF Investment

**Professional:** A representative from one of Harvard's investment fund providers will talk about managing money in a volatile market.

#### Dec. 8, Ask a Vanguard Investment

**Professional:** A representative from another of Harvard's investment fund providers will discuss managing your money in today's market.

If you have difficulties logging on, contact [paul\\_massari@harvard.edu](mailto:paul_massari@harvard.edu), (617) 495-0511.

### Harvard Real Estate Services plans home-buying seminar

Harvard Real Estate Services is holding a home-buying seminar on Dec. 4 from noon to 1:30 p.m. Titled "Home Buying Seminar & Obtaining a Mortgage: Tips to Assist You with This Process," the program will be at 124 Mt. Auburn St., Room 3311. Feel free to bring a lunch. Registration is required. To register, e-mail [fres@harvard.edu](mailto:fres@harvard.edu).

## POLICE REPORTS



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# Community Gifts finds food at the top of wish list this holiday season

This is the third in a series of Gazette articles highlighting some of the many initiatives and charities that Harvard affiliates can support through this month's Community Gifts Through Harvard campaign. The Community Gifts campaign allows affiliates to donate to a charity of their choice through cash, check, or payroll deduction. For more information or to pledge online, visit [www.community.harvard.edu/community-partnerships/community-gifts/](http://www.community.harvard.edu/community-partnerships/community-gifts/).



By Sarah Sweeney  
Harvard News Office

Wanted: 38,000 turkeys — needed by Thanksgiving.

That's the magic number for The Greater Boston Food Bank's (GBFB) annual Turkey Drive, where just \$15 provides a meaty turkey to families across eastern Massachusetts for the holiday. Yet with winter swiftly approaching, Thanksgiving is just the threshold for the

need the GBFB anticipates this season.

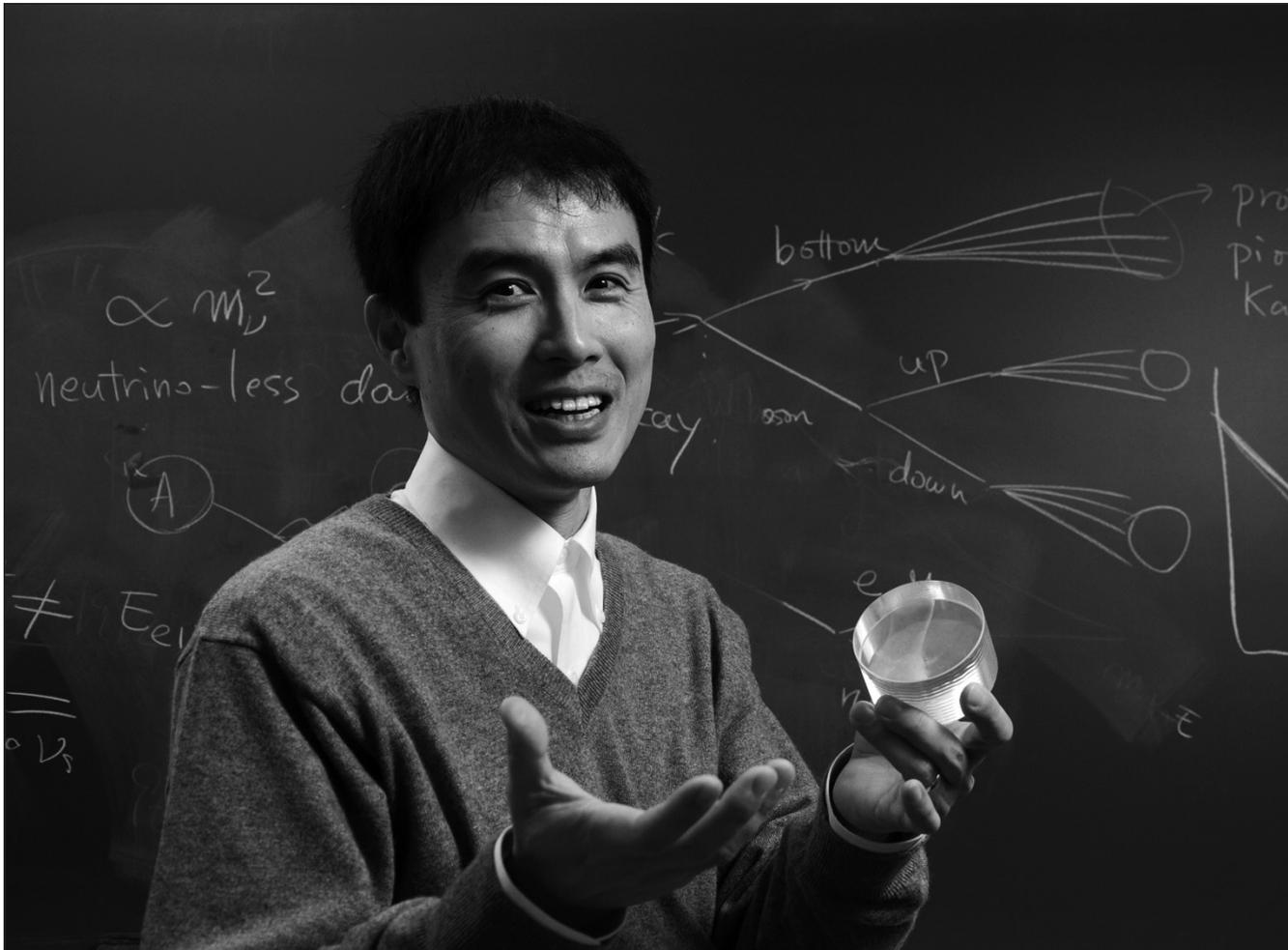
Recently, students from Harvard Business School volunteered their time at the GBFB by sorting more than 7,000 pounds of food — food that will provide more than 4,000 meals.

"Harvard University has been an ardent supporter of The Greater Boston Food Bank for over 20 years," says GBFB President and CEO Catherine D'Amato, noting that students and staff from many of Harvard's Schools volunteer regularly.

"We rely on their support and the people who give generously of their time, money, and food to help feed the people who need our support during these tough economic times."

However, when many people consider hunger it conjures images of children starving in Africa. For so long, hunger seemed a problem particular to faraway countries — an unfortunate misconception that has created a silent hunger epi-

(See **Food**, next page)



Jon Chase/Harvard News Office

Masahiro Morii's love affair with science began early on. Growing up in Osaka, Japan, he remembers telling his first-grade teacher he wanted to be a scientist.

## Looking at the universe, one particle at a time

*Particle physicist Morii looking for dimensions at LHC*

By Alvin Powell  
Harvard News Office

Masahiro Morii is a tinkerer at heart, looking under the hood of the universe in hopes of finding unseen particles that explain how it all works.

**faculty profile** Morii, a particle physicist and professor of physics at Harvard, is engaged in the search for Kaluza-Klein (K-K) gluons, elusive particles that, if found, would provide evidence that the universe contains dimensions beyond the ones we experience everyday.

Morii is hoping the tracks of decaying particles left in the ATLAS detector point the way back to the K-K gluons, confirming the theories of Harvard theoretical physicist Lisa Randall.

ATLAS, which stands for "A Toroidal LHC Apparatus," is one of the major experiments at the Large Hadron Collider (LHC) at CERN, the European Organization for Nuclear Research, in Switzerland. After a somewhat balky start-up in September, the collider has been powered down for repairs with re-start-up expected sometime in May 2009.

Until then, Morii said, the postdocs and

students working with Morii and other ATLAS-affiliated Harvard faculty, including Donner Professor of Science John Huth, Mallinckrodt Professor of Physics Melissa Franklin, Assistant Professor of Physics Joao Guimaraes da Costa, and Physics Department Associate George Brandenburg, are taking advantage of the downtime to upgrade the detector and make repairs.

"We thought that in September '08 we had to be ready for beam, so we left some things out," Morii said. "That [LHC being down] means half a year of repair opportunities."

Every day, Morii said, the student and fellow at CERN don hard hats, put on radiation exposure tags called film badges, submit to an iris scan to confirm their identity, and descend 100 meters below the surface to the tunnel within which the LHC sits. Using climbing gear to get to the inaccessible places in and around ATLAS, they are installing components and making repairs, so that ATLAS is ready when the LHC's proton beams begin circulating again. Morii said their to-do list has more than a dozen components that need to be replaced, including things such as optical fiber cable — vulnerable to degradation in ra-

diation — with radiation-hardened cable.

Huth said Morii's expertise was put to immediate use after he joined the ATLAS project. One of the first things he did was map the device's magnetic field, which highlighted a problem with the placement of the magnets.

"Masahiro joined ATLAS and made an immediate impact in many areas," Huth said. "One notable area [involved] the problem of mapping the magnetic field of the detector. Masahiro ... created a full three-dimensional map of the complicated field. In the process of trying to make sense of the data, he found that there were substantial discrepancies in the data that could only be explained by the magnets being significantly shifted from the positions indicated in the construction drawings. This was quite a shock to everyone and shows what one talented physicist can do, armed with the simple equations that are taught in the freshman physics classes."

Morii said that everyone involved in ATLAS — an international collaboration involving some 2,000 scientists — is essentially interested in the same thing: They're interested in seeing what happens when the most

(See **Morii**, next page)

# Chaya Czernowin appointed professor of music at Harvard

By Emily T. Simon  
FAS Communications

Chaya Czernowin, a composer who has received wide acclaim for her sophisticated, emotional operas, has been appointed professor of music in Harvard University's Faculty of Arts and Sciences (FAS), effective July 1, 2009.

Czernowin, 50, is currently a composition professor at the University of Music and Performing Arts in Vienna, Austria.

"Professor Czernowin is an exemplary composer, whose deeply moving operas and orchestral works reflect her energy, passion, and dedication to the craft," said Diana Sorensen, dean for the arts and humanities in the FAS. "She is also an educator of the highest caliber who will bring much to the teaching and practice of music composition at Harvard.

In the past 15 years, Czernowin's music has been performed at more than 35 festivals throughout the world. She is perhaps best known for her two operas, "Pnima...ins innere" (2000) and "Zaïde/Adama" (2006), both of which demonstrate Czernowin's unusual approach to musical time and linearity.

"Pnima...ins innere," which premiered at the Munich Biennale, is based on David Grossman's novel "See Under: Love." The opera addresses the impossibilities of communicating a traumatic experience. The piece was chosen as "best premiere of the year" by *Opernwelt*, a major European opera magazine, and also received the prestigious Bavarian Theatre Award.

Czernowin's second opera, "Zaïde/Adama," is a supplement to Mozart's unfinished opera "Zaïde." In 2004, the Salzburg Festival commissioned Czernowin to create a response to the Mozart piece. Czernowin



Czernowin

composed a new opera — albeit with a similar theme — and interwove elements of "Zaïde" in the score. Two orchestras are required to perform the piece; one to play "Adama" and the other to perform the "Zaïde" fragments. The opera tells the tale of an ill-

fated romance between a Palestinian man and an Israeli woman.

In addition to her operas, Czernowin has composed several works for orchestra with soloists and live electronics, as well as chamber music works. Many of her pieces are featured on solo CDs by major record companies. She is the winner of many composition prizes, including a Rockefeller Foundation Award (2004), an Ernst von Siemens Ad-

vancement Award (2003), the Asahi Shimbun Fellowship (1993), and the Kranichsteiner Musikpreis at the Darmstadt courses (1992). Most recently, she was nominated for the Wissenschaft Kolleg in Berlin.

Czernowin was born and raised in Israel. As a young scholar she received a fellowship from the German Academic Exchange Service to study with Dieter Schnebel, a renowned experimental composer. In 1993, she earned a Ph.D. in composition from the University of California, San Diego (UCSD).

From 1997 to 2006 Czernowin was professor of composition at UCSD. She has held guest professorships at Harvard, Gothenburg University in Sweden, and Yonsei University in Seoul, Korea. In addition, she has led master classes throughout Europe, the United States, Israel, Japan, and Korea. Since 2003, Czernowin has directed the biennial International Summer Academy for Young Composers in Stuttgart, Germany.

## Fierce mascot

The Greg Wyatt sculpture in front of Winthrop House appears to be fiercely protecting its brood of young Harvard students.



Nick Welles/Harvard News Office

## Morii

(Continued from previous page)

powerful particle accelerator ever built is switched on. The energy it will generate is higher than can be predicted by the dominant model of the physical universe, called the Standard Model. The Standard Model holds that the universe is made up of 40 different elementary particles and sets out the rules by which they interact. Physicists like Morii are eager to watch the standard model break down and glean whatever new clues they can use to inform future theories.

### To learn more about ATLAS,

[www.news.harvard.edu/gazette/2008/09.11/23-atlas.html](http://www.news.harvard.edu/gazette/2008/09.11/23-atlas.html)

Morii's love affair with science began early on. Growing up in Osaka, Japan, he remembers telling his first-grade teacher he wanted to be a scientist. Years later, as an undergraduate at Kyoto University, Morii said he became enamored with physics during a laboratory course and, though the experiments didn't always turn out well, he learned a lot from the professor, who spoke of the active experiments he had at Japan's KEK accelerator.

"That experience confirmed in me that this is cool. I want to do this for a living," Morii said.

Morii received a bachelor's degree from Kyoto in 1986, a master's degree in 1988, and a doctorate in physics from Tokyo University in 1994. In 1996, he began a post-doctoral fellowship at Stanford University, working at the Stanford Linear Accelerator Center before coming to Harvard in 2000 as an assistant professor.

Since then, Morii was named Loeb Associate Professor of the Natural Sciences in 2004 and professor of physics in July 2007.

Morii calls himself a "born tinkerer" and said he often finds himself engrossed in a problem and can't put it down. As an experimental physicist, his problems are often those of the machines and detectors he is designing to illuminate some unknown or theorized aspect of the universe.

"I think most of the time, day after day, my motivation is 'OK, I'm going to make this stupid thing work,'" Morii said. "You made the thing, but you can't make it work the way you want it to. That's the day-to-day part of it."

Being a professor, as well as a laboratory scientist, helps add perspective to his work, Morii said. While in the lab, one can get captivated by the particular tasks that must be completed, while in class, one is forced to step back, take a breath, and look at the big picture.

"In the lab, you can spend years and years without thinking, 'Why are we doing

this?'" Morii said. "Being a professor has big advantages, as it forces us to think about what we're doing, why young people should make this the focus of their life."

With ATLAS nearly up and running, Morii is considering where to devote his energies next. He has begun discussions with other Harvard faculty about forming a group focused on dark matter — the mysterious, invisible substance that astronomers say makes up a significant portion of the matter in the universe.

Morii said particles of dark matter — called "weakly interacting massive particles," or WIMPs — might be detected at the LHC. The particles would be similar to neutrinos, but heavier, possibly much heavier.

"Dark matter particles are supposed to be everywhere; they just don't interact often so we don't see them," Morii said. "The existence of dark matter is almost a certainty, we just don't know what [it is]. It may be possible to build a table-top experiment — probably located deep underground to avoid background noises — that is sensitive enough to detect the dark matter particles as they pass by. Combining such an observation with findings at the LHC would be a powerful probe into what makes up 25 percent of the universe."

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## Food

(Continued from previous page)

demic in the United States. Though rarely discussed openly, hunger affects more than 25 million Americans each year. With its steep rents and cold temperatures, Massachusetts is especially vulnerable — and more so with the economy on the fritz.

Hard to believe when there's no shortage of food. But when fairly commonplace factors such as deaths in the family, high oil costs, or lost jobs come into play, a family's well-being is jeopardized, and the monetary setbacks can be crippling.

But more and more it's not just families who are struggling, but also the organizations that seek to assist the hungry and homeless. Of the GBFB's 600-plus hunger-relief agencies — which include food pantries, soup kitchens, homeless and residential shelters, and more — 90 percent recently reported an increase in demand, while decreasing donations and higher food costs require that they fend for themselves.

"This year the 'perfect storm' of factors has hit our member agencies hard," D'Amato says. "Food costs are higher. Job losses continue. Fuel costs remain high, and foreclosures are on the rise. Individuals and families across the commonwealth are hungry and turning to food pantries and soup kitchens for help."

The GBFB and its members regularly feed 83,000 people a week, with numbers on the rise. Since 1993, the GBFB's food distribution has grown 300 percent. No wonder, then, that a campaign was launched for a new "green" facility with capacity to accommodate greater amounts of donated food. "Moving to a new distribution center would enable us to significantly increase the amount of food we distribute and to help more people in our region," D'Amato says. "Our new distribution center is key to our mission to end hunger in eastern Massachusetts."

The new building, slated for completion in fall 2009, will be outfitted with more refrigeration space, a feature stemming from new trends of perishable donations, which coincides with the GBFB's goals of providing not only food but nutritious food to people in need.

"The campaign is not about a building, it is about people," D'Amato says.

And with the Community Gifts Through Harvard campaign under way, there's no better time than now to make a difference.

[sarah\\_sweeney@harvard.edu](mailto:sarah_sweeney@harvard.edu)

# Appreciating Billie Jean King's contribution to second-wave feminism

By Sarah Sweeney  
Harvard News Office

In a stately room in the Barker Center, flanked by portraits of famous men, Billie Jean King holds court.

**women's history** Not physically. She's the topic of discussion, the name on everyone's lips. One would think this were the after party of her notorious 1973 "Battle of the Sexes" tennis match with Bobby Riggs, the match she won and changed the face of women's sports — and feminism — forever.

"What she proved that night in a courageous performance of physical prowess and nerves of steel," said biographer and Warren Center fellow Susan Ware on Monday (Nov. 17), "is that women did not choke. Women were not frail and weak. Women could face pressure and take it — live on national television — with no takeovers."

Reading excerpts from her work-in-progress on the revolutionary athlete in a Humanities Center lecture titled "Sport Matters: Billie Jean King and Second Wave Feminism," Ware noted that King's decision to play Riggs was a "conscious political act." Respondent Donna Lopiano, president and

founder of Sports Management Resources (and recently named one of the most powerful people in professional sports), agreed with Ware, saying that the great tennis pro was one of her era's pre-eminent figures for social change and women's rights, affectionately nicknaming her a "bulldozer."

"She always wanted to do something with her life beyond the traditional route of marriage and children," said Ware, adding that in the 1960s King aspired toward a self-freedom that didn't yet exist for women anywhere. King, who grew up in a strict

(See **Ware**, next page)



Ware

File Kris Snibbe/HNO

*An academic gateway between University  
and community in Allston*

## 'Ed Portal' builds bridge of learning for area children

By Corydon Ireland  
Harvard News Office

When she grows up, 7-year-old Carley Daly wants to be "an animal doctor" who takes care of dolphins. As she explained her coming profession: "They're partly scientists."

Daly — a second-grader at the Jackson School in Newton, Mass., and a North Allston resident — is among 62 students (ages 6 to 18) enrolled in science, math, and writing mentoring sessions at the Harvard Allston Education Portal on North Harvard Street.

The "Ed Portal," as everyone calls it, is a first for Harvard — an intentional academic gateway between the intellectual treasures of the University and families in Allston and Brighton. (Though there are only 62 students, every family member belongs to the portal, too — bringing membership to 419.)

**community** "The idea was to form a literal bridge," said Ed Portal faculty director Robert A. Lue, a professor of molecular and cellular biology and director of Life Sciences Education at Harvard. "Biologists would think of it as sharing a circulatory system."

Lue and others see the Ed Portal, which is sponsored by the Allston Development Group (ADG), as one of a series of academic pathways that connect Harvard to the communities surrounding it — part of "an exciting engagement of intellectual ideas that's at the heart of a university," he said.

The mentoring sessions — designed to foster curiosity, and built around hands-on experiences — started in July at the Ed Portal's one-story brick headquarters just beyond Harvard Stadium. During the academic year, it's open from 3 to 6 p.m. Mondays through Thursdays. Harvard College students take the helm as mentors and — in a few cases — as tutors who help students with homework. The students are drawn from public and private schools in Allston, Brighton and the surrounding area; a few are home-schooled.

Students in first and second grades belong to science "clubs," and third-graders have that option, too. In grades beyond, students get one-on-one learning sessions with their young Harvard mentors.

As bridges go, the Ed Portal is well-lit, and functional: five snug and bright mentoring rooms, one main spacious room with tables and chairs, and a bank of four big-monitor Apple computers.



A storage room nearby is full of the usual suspects, including paper, spare cables, and a shelf of biology texts. But some new gear just arrived: computer-mounted microscopes, which give students real-time lighted views of their skin and socks — or any artifact from nature.

To one side of the main room is a working

replica of the Scientists' Discovery Room (SDR), an interactive computer-based learning tool at Harvard's Initiative in Innovative Computing (IIC). The big-screen video wall and touch-screen table allow students to stop a video in progress in order to dive deeper into the details. "When students watch, they often

(See **Portal**, next page)

Harvard University President Drew Faust and Boston Mayor Thomas M. Menino will join Allston families in an invitation-only celebration of the Harvard Allston Education Portal at 3 p.m. Friday (Nov. 21). The new educational partnership is a key element of the cooperation agreement with the city of Boston associated with Harvard's Allston Science Complex. The new community programs and improvements set out in the cooperation agreement draw on Harvard's core strengths of teaching and learning and add to the vibrancy of the community.

In addition to the educational partnership, the 10-year commitment includes the creation of new parks, public open spaces, and walkways — as well as the support of job training and housing initiatives in the neighborhood. Conceived in collaboration with the city of Boston and the Allston community, the Education Portal strengthens Harvard's deep, existing engagement with the city of Boston around after-school learning, school improvement, and college preparation.

**Allston residents Tommy Connolly (left) and Robby Ciliberto watch a science experiment develop.**

Jovee Henehan/  
Allston Development Group

## Ware

(Continued from previous page)

household in conservative Orange County, Calif., found a husband, Ware said, who was “liberated enough to envision marriage on their own terms.” Their marriage later transformed into a business partnership, and King went on to question her sexuality and come out as a lesbian.

While her personal battles were revolutionary in their own right, it is King’s professional advocacy and tenacity she’s best-known for. With the emergence of “second-wave” feminism in the late 1960s and ’70s, King became a charismatic figurehead for the cause, almost by default. “I think the feminist movement needed Billie Jean King a lot more than she needed them,” said Ware, noting that the athlete’s initial reaction to second-wave feminism was negative.

“She was not radical in any way,” Lopiano interjected. “She played that middle as well as you can play the middle.”

King was not solely an advocate for women, but for equality among all people, in sports and beyond. “She was,” Ware said repeatedly, “for everybody.” She soon realized that her fame was an invaluable asset for speaking out on issues such as abortion, equal pay for equal work, and more.

“She used her celebrity status to play the kind of advocacy politics that women are now only beginning to play,” added Lopiano. King’s activism is ongoing: She has recently been named Global Mentor for Gender Equality by the United States Educational, Scientific and Cultural Organization.

“Even though the feminist movement quickly passed,” Ware said, “it left in place a radically different American society, one where an ambitious and talented superstar could create a successful career by devoting her attention to the causes she cared most about: women, women’s sports, and the connections between them.”

Yet by today’s standards, King’s brave and defiant legacy seems lost upon the current generation of athletes — male and female — whom Ware sees as owing their success to the efforts of King. After all, it was King who lobbied for equal sports prizes for women and worked to brand tennis a “sport of the people,” the way it is often viewed today. Ware believes the legacy of King needs to be rescued from “historical limbo,” expressing surprise at how often she’s asked if King is still alive.

“Billie Jean King is in danger of becoming yet another figure elbowing for space in our collective memory,” said Ware. And with many aspects of professional and collegiate women’s athletics still unequal to their male counterparts, Ware added, King’s advocacy and goals continue to be relevant.

“It wasn’t enough for her to play,” Lopiano said, noting that celebrity athletes are rarely politically inclined. “She stepped out of her skill zone to comment in other arenas.”

“American history is full of iconic sports heroes,” Ware said, “but until Billie Jean King they were all men. Sports celebrity was like a boys’ tree house with a ‘no girls allowed’ sign posted outside.”

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## Portal



Jovee Henahan/Allston Development Group

Education Portal science club mentor Ugochi Nwosu '10 (standing) works with students Emma Schneider (at table from left), Carley Daly, Xander Kransdorf, and Sebastian Sanchez.

(Continued from previous page)

ask questions,” said IIC senior research scientist Chia Shen, who oversaw the installation of the Ed Portal’s SDR — and whose research laboratory is further exploring interactive technology to accelerate science discovery and education.

The SDR implementation is a collaboration between IIC and BioVisions, a science visualization initiative at the Faculty of Arts and Sciences that is directed by Lue.

At the Ed Portal’s SDR, students can interrupt and interrogate “The Inner Life of the Cell,” a Harvard-produced 3-D simulation of intercellular processes — tapping the “touch table” to learn more about, say, membrane proteins. The SDR also lets students browse a new maplike database of species called the Encyclopedia of Life, a self-guided tour of how life’s millions of species are correlated.

At the Ed Portal, 16 of the undergraduate mentors specialize in math or science and are overseen by Lue. Another four mentors are writing specialists, and work with Thomas R. Jehn, interim director of Harvard’s Expository Writing Program. The science, math, and writing tracks, Lue pointed out, are fully integrated.

The mentors get a stipend, but have to get through a competitive application process. There is a long waiting list, said Lue. “This is not a job for them — it’s an award.”

In the future, more mentors will be added in the arts and humanities. By the spring, for instance, a program will be in place at the Ed Portal that brings science and engineering together with the arts. “We’re growing,” said Lue, “as we adapt to the needs of the community.”

Also part of the Ed Portal’s future, he said, is a faculty speakers’ series that will bring exciting glimpses of Harvard scholarship directly to Harvard neighbors — a way, said Lue, “to bring the community into the community of the mind that is the University.”

Many of the lectures, he said, will come directly out of new General Education courses developed for Harvard College students — clever and comprehensive new ways of looking at the visual arts, history,

stem cell research, and the biology of the brain.

Meanwhile, most of the students at the Ed Portal are learning lessons that acknowledge the importance of understanding the way the physical world works.

“There’s no question we feel very strongly that a well-educated citizen must have an understanding of science,” said Lue — the right grounding for making good decisions about health, the environment, and policy issues confronted by voters.

On top of that, science lays the foundation for “an enormously important growing economic force,” he said, “not only in Allston and at Harvard, but globally.”

Global forces, the future of science, and questions of educated citizenship are all slightly beyond Carley Daly now. To her, the world of science at the Ed Portal is one that tends to pop, fizz, and dazzle.

Since September, her weekly science club has done one experiment or project per class. There have been lessons on how gases exert force, how temperature influences molecular movement, how leaves change colors, and how to build your own “biome.” (Parents: A biome is an ecological network of plants, animals, and soils. Or it can be — as it was for Daly — a do-it-yourself “biome in a bag” assembled in a sawn-off soda bottle: a self-contained world of potting soil, pebbles, and grass seed.)

All of the Ed Portal’s science experiments involve safe, nontoxic explorations of the physical universe. So the supply cabinet looks like — and is — a kitchen. In the freezer last week, there were glow sticks, dry ice, and frozen egg whites. In the pantry was all the stuff you would need for low-tech chemistry and physics: salt, food coloring, borax powder, string, vegetable oil, magnifying glasses, vinegar, glue, cornstarch, crackers, and a bag of film canisters for one of the big science club hits: Alka-Seltzer rockets.

Mix Alka-Seltzer and water in a film canister, cap the canister, wait about 20 seconds and — pop! Besides getting a miniature rocket to launch, you get a handy illustration of Newton’s third law of motion.

“It explodes and goes up to the ceiling,” said Education Portal coordinator Meaghan

Fay, who oversees Ed Portal activity and in her spare time keeps the pantry stocked for science. “The kids love it.”

And the crackers? Mixed with the right stuff, you can observe the magic of simulated digestion.

Earlier this month, Daly and other budding scientists at the Ed Portal heated the air inside a glass bottle, then watched a hard-boiled egg on the bottle top get sucked inside. Lesson: Nature loves equilibrium, and where a container of gases fails to match the pressure of surrounding gases, something dramatic is bound to happen.

“This is why you don’t open the windows in an airplane,” said Ugochi Nwosu ’10, a Currier House concentrator in molecular and cellular biology. “Nature does not like to be unequal.” She’s one of the Ed Portal science mentors who comb the Internet looking for cool science experiments that are hands-on, vivid, and — hopefully — a little noisy.

“They get really excited about the experiments,” said the Nigeria-born Nwosu, who grew up in New Jersey watching science on public television. The classrooms are small, she said, the experiments are participatory, and the children all get a chance to speak and ask questions.

Mentoring science club every week reminded Kipyegon “Kip” Kitur ’09 of his boyhood in rural western Kenya, when he fell in love with science and math as a playful first-grader. “I thought I could bring that passion back to the Ed Portal,” said the Adams House resident, whose concentration is chemistry.

Kitur’s favorite experiment this year was the Alka-Seltzer rockets. The first two failed to fire, he said, opening the way to a lesson in patience and confidence. “I was telling the kids: ‘Oh, this is how science is,’” said Kitur. “You can do it for hours without getting a result.”

To Emma Schneider, age 7 and a second-grader at Winship Elementary School in Brighton, the coolest science so far was watching that egg get sucked into a bottle. She summed up her Ed Portal experience this way: “We do stuff.”

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Nick Welles/Harvard News Office

Historian Steven Shapin illustrates how scientists' personal characteristics and traits figure prominently in the making and perceived authority of scientific knowledge.

## Moral dimensions of 'the scientific life'

*Shapin explores the significance — and unreliability — of scientists' points of view*

By Amy Lavoie  
FAS Communications

Scientific knowledge is reliable and it is authoritative. It is also often understood to be impersonal: The personal characteristics of a researcher are not thought to influence his or her findings. In recent work, historian Steven Shapin assumes the reliability and authority of scientific knowledge but illustrates how scientists' personal characteristics and traits figure prominently in the making, maintenance, and perceived authority of scientific knowledge.

In "The Scientific Life: A Moral History of a Late Modern Vocation" (University of Chicago Press, 2008), Shapin explores the history of the scientific profession during the 20th century and at the beginning of the 21st. He considers, particularly, the virtues and vices of those who create scientific and technical knowledge, and uncovers lessons we can learn about our society by exploring the characters of scientists.

"Talking about 'who the scientist is'... [opens] a window through which one can see quite a lot about how we live, what we value, and the general shape of our culture and its sensibilities," says Shapin, Franklin

L. Ford Professor of the History of Science.

Shapin argues that in modern society, the scientist, like a priest or minister in an earlier age, is widely regarded as a spokesperson for reality.

Scientists' personal virtues are increasingly important at the leading edges of recent, often controversial, scientific and technical knowledge, according to Shapin. Because many fields are experiencing rapid institutional and intellectual change, they are shot through with what he calls "normative uncertainty." There are few, if any, pre-existing models, for example, for the development of a biotech start-up or a company designing a new kind of software. When building industrial research laboratories from the ground up, scientists and research managers must determine how to motivate and recruit competent people, locate financing, set research agendas, and convince others that a market exists for their product.

While these elements may be routinely available for the opening of a fast-food franchise, enterprises at the forefront of scientific and technological industry are not standardized in that way.

"At companies such as Google and Apple, we often see some extraordinarily

imaginative approaches to the organization of people, 'sociology experiments' in the encouragement and management of innovation," says Shapin.

Often, the philosophy and mission of the company and its research are embodied in an individual — a charismatic leader who sets the tone for the organization. A personal vision becomes essential to the company's development and research. Shapin offers Steve Jobs at Apple and Craig Venter at Celera Genomics as examples of charismatic individuals whose authority has been integral to the development of their companies and their research trajectories.

"The Scientific Life" addresses research (and researchers) dating back to the beginning of the 20th century, a period, Shapin says, when charismatic leaders emerged at companies like General Electric, DuPont, and Eastman Kodak. The organization and management of these laboratories had to be innovative, because few, if any, patterns for the industrial research laboratory existed.

"The word 'charisma' was not part of the vernacular until the 1940s, but the director of Eastman Kodak's research laboratory said that each laboratory was the 'shadow of a single man,'" says Shapin.

(See **Shapin**, next page)

## HKS initiative includes new professorships, student support, and research

The John F. Kennedy School of Government at Harvard University is announcing an ambitious new initiative linking innovative governance to the world's major social challenges. Under the new plan, the Ash Institute for Democratic Governance and Innovation at Harvard Kennedy School (HKS) will focus on the study, teaching, and dissemination of solutions to real-world problems facing democratic governance. The institute will endow a number of new faculty positions, provide significant scholarship opportunities for students, reshape the ways it shares innovative practices, and continue its commitment to public leadership through a more focused international network of innovative practitioners and scholars.

"There is enormous potential for finding effective new strategies for governance to meet the challenges posed by inequality, immigration, corruption, and many other social and economic factors," said David T. Ellwood, dean of Harvard Kennedy School. "Under this new initiative, the Kennedy School will deploy the considerable resources of the Ash Institute to learning and teaching how processes of governance can be adapted to solve key social problems both in 'mature' democracies and in societies undergoing democratic transitions."

The Ash Institute was created in 2003 thanks to large grants from the Ford Foundation and Roy and Lila Ash. Their generosity, vision, and continuing flexibility will allow HKS to endow several new professorships at both senior and junior levels. These faculty members will be recruited across multiple fields and will provide the initiative's core intellectual foundation.

"We aim to turn the institute into the world's leading center for understanding the reciprocal relationships between the quality of the institutions and practices of democratic governance and the persistence of urgent social problems," said Anthony Saich, director of the Ash Institute for Democratic Governance and Innovation. "The institute will generate ideas, suggest reform proposals, and promote specific measures. We will be a place where students, policymakers, public leaders, and scholars from a wide range of disciplines and backgrounds gather — in traditional and virtual ways — to discuss the most powerful and state-of-the-art ideas in this realm."

At the heart of the new initiative is the institute's heightened commitment to the next generation of scholars and leaders dedicated to the field of democratic governance. The institute will provide significant support to the HKS student body in the form of scholarships, study grants, and internships. Ten million dollars of the institute's endowment has been earmarked for scholarships to Mason Fellows, the School's cadre of mid-career students from developing and emerging nations.

The focus on effective governance will be further bolstered through the institute's existing Innovations in American

(See **Initiative**, next page)

## Shapin

(Continued from previous page)

Shapin's previous work deals with the scientific revolution of the 17th century. Much of the research for the current book was conducted while Shapin was on the faculty of the University of California, San Diego, where his fascination with the local institutional culture of scientific entrepreneurship partly inspired him to write the book.

Shapin employed many traditional historical methods in researching the book. To gain an understanding of the industrial laboratories of the early 20th century, for example, he looked at organizational charts, accounting practices, trade reports, and journals. But he also interviewed a number of scientists and research managers currently at work, an unusual practice for a historian.

Industrial research and academic inquiry are both discussed in Shapin's book, and he is quick to point out that he is not impressed with commonly held opinions about a fundamental divide between the two. Often, academic research is portrayed as pure and without constraints, while industrial research is said to be merely concerned with the bottom line.

Shapin explains that these perceptions are inaccurate, and the dialogue should move beyond black-and-white contrasts between academia and industry and focus instead upon the more fine-grained texture of "spaces of free inquiry" in whatever institutional type they may appear. In both areas, he explains, there are opportunities for unfettered inquiry as well as constraints.

"There has been so much celebration and so much accusation about institutional types, and so little interest in textured description," says Shapin. "When you start describing research environments, you see much more of a pastiche. If we are truly interested in the discovery of new ideas, those of us in academia should welcome comparison to our equivalents at Google or Apple or biotech companies. I feel that the imposition of a 'business ethos' on academia has often misrepresented the practical realities of managing and encouraging innovation in many business environments."

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## Initiative

(Continued from previous page)

Government Program, a program recognizing and disseminating government innovation for more than 20 years. The innovations program will expand its reach to include innovation across private and not-for-profit collaborations with government, and will bring attention to emerging trends such as social entrepreneurship and networked governance. The Innovations Program will be expanded to capture innovative ideas worldwide, draw out critical lessons, and distribute those ideas broadly.

Finally, the institute will restructure its existing Global Innovators Network to better engage many of the most lively scholars and practitioners from across the world and provide an effective technological platform for sharing and distributing the most powerful ideas.

"This new initiative advances changes which will enhance the scope and academic capacity of Harvard Kennedy School," said Ellwood. "We are profoundly grateful to the Ford Foundation and Roy and Lila Ash in allowing us to refocus the mission of the Ash Institute and dedicate significant resources to these central issues at such a critical time."

## Whitman

Photos: Jon Chase/Harvard News Office



After listening to his piece 'The Wound-Dresser' performed by the Harvard Bach Society Orchestra and featuring baritone John Kapusta '09 (below), composer John Adams (left) talks about his work.

(Continued from page 1)

beat, adding, with their high register, an increased sense of tension. Later, a ghostly trumpet sounds, reminiscent of horns on battlefields. And throughout, a voice recites in song the grim text of Whitman's poem, recounting the brutality and despair of his work as a volunteer nurse during the Civil War.

Harvard President Drew Faust and Helen Vendler, A. Kingsley Porter University Professor in the Department of English and Literature, joined Adams onstage, adding their learned perspectives to the conversation. Vendler, who has written many books on poets and poetry, is widely regarded as one of the nation's foremost poetry critics. Faust is a leading Civil War historian. Her recent book, "This Republic of Suffering: Death and the American Civil War" (Knopf, 2008), examines the culture of death that accompanied the war and the ways in which society came to terms with the massive loss of life.

Many factors influenced Adams' choice of "The Wound-Dresser" as a work to set to music.

He writes in his autobiography, "Hallelujah Junction: Composing an American Life" (Farrar, Straus and Giroux, 2008), that he initially planned to set to music the sections of Whitman's prose work "Specimen Days" that recounted the author's Civil War experience. The book included moving pictures of wounded soldiers in

field hospitals, which reminded Adams of his personal connection to the loss of friends who had succumbed to AIDS. In addition, he said, he was put in mind of his mother caring for his father who died after a long, heartbreaking struggle with Alzheimer's.

"I was very conscious of this very quiet drama that plays out everywhere in the world at all moments; but it's just not a very romantic drama. ... It can be very ugly and so sad that we don't want to think about it," he told the crowd on Monday.

The notion of loss and caregiving — and the idea of celebrating the caregiver — Adams said, were all present when he chose to orchestrate Whitman's poem "The Wound-Dresser."

To open the discussion, Faust asked the composer to expand on his attraction to the poet's work.

Whitman, said Adams, appealed to his own love of the "American utterance, the American experience," and the flow of the American language.

"He was such a shockingly new voice. I mean life was rough, life was crude in America in the 1850s, but literature was rather polite. And when you think about the way Whitman expresses his eroticism, his homosexuality, his incredible vision of the land, the people, this democratic image ... it's just a profoundly evocative and meaningful thing to me."

Throughout his career Adams has incorporated historic events into his work. His

opera "Nixon in China," from the 1980s, recounts the former president's famous visit, and his 2005 opera "Doctor Atomic" chronicles the lead-up to the first atomic bomb test in Los Alamos, N.M. In 2003, Adams' choral work "On the Transmigration of Souls," in honor of the victims of September 11, won the Pulitzer Prize for music.

During the discussion, Vendler wanted to know why Adams had chosen to stop the voice at particularly dramatic moments in the text to yield to the music.

"I wondered if you'd say something about when you decided to interrupt Whitman," she said to a wave of chuckles from the crowd.

"A lot of composing has to do with the sense of balance," he replied. "You have an idea, you have a text, you want to say something, and you then need to actually put in the time for reflection. So it's very much an issue of just knowing how long to go."

English is tricky to work with, said Adams, responding to a query from the audience about the challenges of the language. To laughs, he noted that the line from his opera "Doctor Atomic" — "We are bedeviled by faulty detonators" — wasn't quite as melodic as some Italian opera lines.

Whitman's "The Wound-Dresser" may have not been the ideal poetry to set to song, admitted the composer. But despite the difficulties of the language, Adams said, he found the poem's profound emotional pull irresistible.





Photos Stephanie Mitchell/Harvard News Office

In his HKS talk, Taylor Caswell, New England regional director of the United States Department of Housing and Urban Development, urges the new president and Congress to expand the nation's commitment to fair and affordable housing.

## N.E. HUD chief offers suggestions

*Underlines importance of regional solutions, counseling to address housing crisis*

By James O'Brien

*Special to the Harvard News Office*

The chief federal housing official in New England told a Harvard University audience that his department is poised to help foreclosure-imperiled homeowners navigate the nation's economic crisis, but he called on President-elect Barack Obama to empower that effort by expanding the nation's commitment to fair and affordable housing.

Taylor Caswell, New England regional director of the United States Department of Housing and Urban Development (HUD), addressed an audience of approximately 40 at Harvard Kennedy School (HKS) Monday (Nov. 17). He spoke from a personal perspective as outgoing director in a time of administration change, reflecting on his three and a half years at the post.

"There's great opportunity right now for the next administration to really take a

good look at the policies and the issues — and the internal challenges — that are going on at HUD and make it the kind of organization that I have seen it to be on the ground around New England," Caswell said.

HUD officials are grappling with a national fiscal emergency that has left nearly a quarter of U.S. homes in a negative-equity scenario.

"You can pretty much draw a circle around the communities that are being affected by this," Caswell said of his region, listing Boston, Brockton, Lawrence, Springfield, and areas of Cape Cod as "acute" in Massachusetts. "At HUD, so far, our response has been primarily driven through the [Federal Housing Administration (FHA)]."

Some FHA programs, Caswell said — such as expanding access to federally backed mortgages, as

well as refinancing or adopting troubled federal and nonfederal mortgages into the federally insured system — have been less than "homeruns, in terms of the number of people ... helped, or the scope with which [they have] been used by the lending community."

What has helped, and what Caswell said an Obama administration or the next Congress should augment, is housing counseling. From single families facing the street to the emptying of multifamily houses after an owner loses a property, there are rights associated with each type of tenant. Caswell said education has been effective for both groups.

"Less than 1 percent of individuals who have been through some level of housing counseling have had homes foreclosed," Caswell said of New England efforts. "HUD funds [these] organizations, places where people can go to learn. [Funding] comes out to be \$50,000 to \$60,000 in individual grants to these organizations. That could easily be expanded, and small increases will have a big payoff."

Caswell is an advocate of this kind of boots-on-the-ground strategy. He cautioned that current federal top-down management would not help regional directors solve problems on a community-by-community basis.

"There's been a move over the past several years, and this predates the current administration, to centralize a lot of the HUD control in Washington, D.C.," he said. "The tendency is, whenever there's a single bit of controversy — shoot it to Washington. That's where [the trouble] begins. Problems languish, languish, and languish."

Local HUD officials experience regional needs firsthand, Caswell said. Disregarding that direct experience and textured judgment could cause program casualties.

"Public housing ... is overregulated to the tipping point," said Caswell. "We are starting to see large numbers of housing authorities abandon public housing altogether. There is no incentive for [housing authorities] to be creative, because we are on them so much about exactly where their funds are going."

New boundaries of regional autonomy should be set, according to Caswell, without abandoning

(See **Housing**, next page)

## A single gene leads yeast cells to cooperate against threats

By Steve Bratt

*FAS Communications*

An ingenious social behavior that mobilizes yeast cells to cooperate in protecting each other from stress, antibiotics, and other dangers is driven by the activity of a single gene, scientists report this week in the journal *Cell*. The cooperating cells use the same gene, dubbed FLO1, as a marker for detecting "cheaters," cells that try to profit from the group's protection without investing in the group's welfare.

The research — which shows that even the simplest organisms are capable of sophisticated social discriminations in nature — was conducted primarily by scientists at

**cell research** Harvard University, the Whitehead Institute for Biomedical Research, and the Catholic University of Leuven in Belgium.

FLO1 encodes an adhesive protein at the cell surface that causes individual yeast cells to cohere into clumps, or "flocs," of thousands of cells. In a classic case of strength in numbers, cells on the inside of these flocs are shielded from stress and harmful chemicals by altruistic exterior cells that sacrifice themselves.

"Remarkably, cells expressing FLO1 are not only working together against stress, they are also able to exclude cells that do not express FLO1 from the floc, leaving these hopeful cheaters unprotected," says co-author Kevin J. Verstrepen, a Bauer Fellow and lecturer in molecular and cellular biol-



Stephanie Mitchell/Harvard News Office

Kevin J. Verstrepen is a lecturer in molecular and cellular biology at FAS.

ogy in Harvard's Faculty of Arts and Sciences (FAS).

The current work helps explain how organisms frequently evolve behaviors that help others, such as when honeybee workers labor their whole life without reproducing, birds make alarm calls, or humans assist one another. It could also have clinical applications in combating pathogenic yeasts, which represent a serious threat to immunosuppressed patients, as well as in treating biofilms, impermeable mats of microbes that are highly resistant to drugs and other therapies. Pathogens aggregate into biofilms using a mechanism similar to that seen in flocculating yeast.

"Last but not least," says Verstrepen, "the findings are also of interest to brewers, who use the natural clumping of yeast cells to remove the yeast from their beer."

(See **Cell**, next page)



Nicolas P. Retsinas, director of the Joint Center for Housing Studies, listens to Caswell's presentation.

# For innovative undergrads, bacteria make some buzz

By Michael Patrick Rutter  
SEAS Communications

A team of undergraduates who engineered a bacterial biosensor with electrical output recently made some buzz at the 2008 international Genetically Engineered Machine (iGEM) competition held at the Massachusetts Institute of Technology (MIT).

The innovators won a gold medal for their outstanding contributions to the competition and were among the six finalists for the overall grand prize; they also won an area prize for the best energy project. The honors mark the first time a group from Harvard has come home with an award at this international competition — where student teams compete to design and assemble engineered machines using advanced genetic components and technologies.

The Harvard entrants dubbed their winning entry “bactricity,” as they aimed to develop bacteria that could produce a detectable change in electric current in response to an environmental stimulus.

“You can think of their work as an early step to building a biochemical-electrical ‘hybrid,’” said the team’s faculty adviser Pamela Silver, professor of systems biology in the Department of Systems Biology at Harvard Medical School (HMS).

The bacteria chosen for the task was *Shewanella oneidensis* MR-1 (*S. oneidensis*), a metabolically versatile, easy-to-mutate organism, perhaps best known for its use in “eating” toxic waste.

Grown under anaerobic conditions, *S. oneidensis* releases electrons, creating an electrical current. The Harvard iGEM team used a mutant strain of the bacteria with an electron transfer gene knocked out and replaced with a gene that turns on only in response to a stimulus, allowing the team to control the electrical output.

To monitor and harness that current, the budding synthetic biologists built a specialized microbial fuel cell (MFC) to “house” the bacteria. (In fact, last May, another team of undergraduates also employed MFCs, a chemical-to-electrical energy converting technology, to create a ‘dirt-powered’ light source suit-

able for sub-Saharan Africa.)

“The goal of this project was to use electricity rather than fluorescent proteins or enzymes as an output in response to a stimulus,” said Natalie Farny, head teaching fellow for Harvard iGEM 2008 and a graduate student in the Silver lab. “Electricity as an output can be recorded over time by a computer or can signal to a computer to perform another useful function, creating an interface between the microorganism and the machine.”

In short, the Harvard iGEM team’s marriage of the bacteria with a fuel cell demonstrated that building a biosensor that integrates directly with electrical circuits is possible. If the team’s project is further refined into a prototype, a potential application could include an interface that combines the attributes of bacteria (i.e., the ability to detect other chemicals and to readily adapt to its environment) with electricity and computation (that is, the ability to process information at high speeds).

Farny added that although generating a signal transmission and building a computer

interface were the primary aims, the students also recognized that their research could represent an early step toward harnessing a very “green” form of bio-based energy.

**Harvard Team iGEM wiki,**  
<http://2008.igem.org/Team:Harvard>  
**Undergrads create ‘dirt-powered’ light for Africa,**

[www.news.harvard.edu/gazette/2008/05.22/10-light.html](http://www.news.harvard.edu/gazette/2008/05.22/10-light.html)

**2008 iGEM competition results,**  
<http://2008.igem.org/Jamboree/Results>

iGEM was born in 2003 out of a month-long course during MIT’s Independent Activities Period. The competition is driven by one fundamental question: Can simple biological systems be built from standard, interchangeable parts and operated in living cells? Judging by the way the event has evolved — this year 84 teams from 21 countries built and tested simple biological systems — the answer seems to be a resounding “yes.”

## Housing

(Continued from previous page)

consistency throughout HUD.

“There are ways of working out that little problem,” he said of consistency between regions. “It’s called management.”

Caswell’s portfolio of recommendations also includes energy-efficient construction and housing for senior citizens. Both represent revenue for New England housing authorities, he said.

“You want to talk about low-hanging fruit? This is an area that can see really substantial benefit for a minimal investment,” Caswell said.



Stephanie Mitchell/Harvard News Office

**Taylor Caswell: ‘Less than 1 percent of individuals who have been through some level of housing counseling have had homes foreclosed.’**

For instance, energy performance contracts allow housing authorities to keep a large portion of savings generated by features such as high-efficiency boilers and windows. Recently, that meant \$12 million for Lowell, Caswell said. On a smaller scale, energy-efficient mortgages incentivize the addition of green features to newly purchased properties — up to \$15,000 per mortgage.

“Why [don’t] we have energy-efficient mortgages attached to every single FHA mortgage that is ever written?” Caswell asked. “It makes no sense that that kind of money gets left on the table.”

All of this requires an Obama administration and a Congress that place high value on individual field offices working directly with regional residents, said Caswell.

“I really hope, as this next administration comes in, they really take advantage of a lot of these issues ... really push them beyond where we’ve been able to push them, so far,” Caswell said.

## Cell



Stephanie Mitchell/Harvard News Office

**Bauer Fellows Kevin R. Foster (left) and Kevin J. Verstrepen have discovered an ingenious social behavior that mobilizes yeast cells to cooperate in protecting each other from stress.**

(Continued from previous page)

The work by Verstrepen and colleagues helps answer a major question in biology: namely, how cooperation between organisms evolves. Even Darwin realized that altruistic behavior posed a challenge to his theory of natural selection and evolution. Since Darwinian theory predicts that natural selection acts on the level of single individuals, not collaborating groups, a selfish individual who profits by piggybacking off the social behavior of others would gain an evolutionary advantage — a dynamic that, over time, would lead these asocial “cheaters” to take over the population, ultimately dooming collaboration.

The paper identifies FLO1 as a rare example of a “green beard gene,” a term developed in the 1960s to describe genes that foster cooperation and also tag altruistic individuals. Only individuals that express these genes are allowed to reap the benefits of group efforts, preventing cheaters

from taking over the population. The finding suggests that these once-hypothetical green beard genes may not be so rare after all.

“FLO1 also provides striking support for the ‘selfish gene theory,’ which puts genes, and not genomes, at the center of evolution,” says co-author Kevin R. Foster, a Bauer Research Fellow at Harvard. “FLO1 is a selfish gene that promotes its own proliferation without much influence from the rest of the genes in the genome — although remarkably, it exercises this ‘selfish’ act by promoting an act of social cooperation.”

The researchers used common brewer’s and baker’s yeast (*Saccharomyces cerevisiae*) as a model for studying social behavior because yeast behavior is driven solely by genetics, without any input from cognitive learning or culture. Also, since *S. cerevisiae* has been widely studied and characterized, scientists are able to ma-

nipulate it with great precision.

Verstrepen and Foster’s co-authors on the Cell paper are Scott Smukalla, Marina Caldara, Chen Yan, and Marcelo D. Vincens of the FAS Center for Systems Biology at Harvard; Nathalie Pochet of the FAS Center for Systems Biology and Ghent University; Anne Beauvais, Stephanie Guadagnini, Marie Christine Prevost, and Jean-Paul Latgé of the Institut Pasteur; Gerald R. Fink of the Whitehead Institute for Biomedical Research; and An Jansen of the Whitehead Institute and the Catholic University of Leuven. Their work was sponsored by the National Institute of General Medical Sciences, the Human Frontier Scientific Program, the Flemish Fund for Scientific Research, the Harvard College Research Fund, the Harvard College Program for Research in Science and Engineering, and the Bauer Center.

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# Quantum computers could excel in modeling chemical reactions

By **Steve Bradt**  
*FAS Communications*

Quantum computers would likely outperform conventional computers in simulating chemical reactions involving more than four atoms, according to scientists at Harvard University, the Massachusetts Institute of Technology (MIT), and Haverford College. Such improved ability to model and predict complex chemical reactions could

revolutionize drug design and materials science, among other fields.

Writing in the Proceedings of the National Academy of Sciences (PNAS), the researchers describe “software” that could simulate chemical reactions on quantum computers, an ultramodern technology that relies on quantum mechanical phenomena, such as entanglement, interference, and superposition. Quantum computing has been heralded for its potential to solve certain

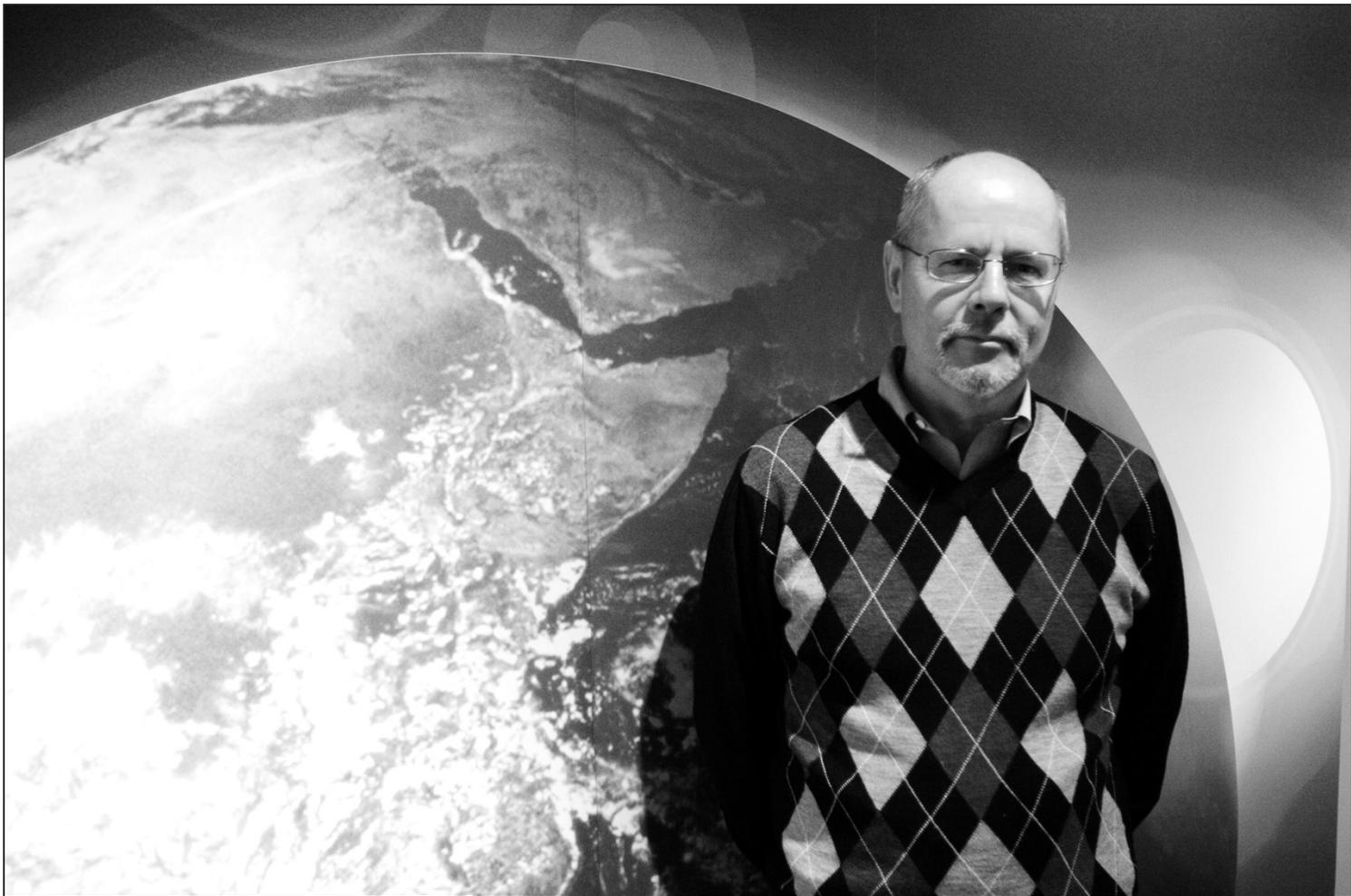
types of problems that are impossible for conventional computers to crack.

“There is a fundamental problem with **computer science** simulating quantum systems — such as chemical reactions — on conventional computers,” says Alán Aspuru-Guzik, assistant professor of chemistry and chemical biology in Harvard’s Faculty of Arts and Sciences. “As the size of a system grows, the computational resources required to simu-

late it grow exponentially. For example, it might take one day to simulate a reaction involving 10 atoms, two days for 11 atoms, four days for 12 atoms, eight days for 13 atoms, and so on. Before long, this would exhaust the world’s computational power.”

Unlike a conventional computer, Aspuru-Guzik and his colleagues say, a quantum computer could complete the steps necessary to simulate a chemical reaction in a  
*(See **Quantum**, next page)*

## *Life, intelligence may be natural part of Earth’s development*



Kris Snibbe/Harvard News Office

**Charles Langmuir, Higgins Professor of Geochemistry, described planetary evolution as a series of steps — and he added that there’s no guarantee that a planet will proceed from one to the next.**

# Humanity may hold key for next Earth evolution

Earth Matters lecture series continues with ‘Earthquakes! How We Can Better Understand and Prepare for Them,’ 6 p.m. today (Nov. 20) at the Harvard Museum of Natural History. John Shaw, Dudley Professor of Structural and Economic Geology at Harvard University, will discuss how scientists use cutting-edge techniques, such as 3-D immersive visualization, remote sensing, and plate-tectonic research, to better forecast earthquakes and help protect lives and property for an increasingly urbanized global population.

By **Alvin Powell**  
*Harvard News Office*

Human degradation of the environment has the potential to stall an ongoing process of planetary evolution, and even rewind the evolutionary clock to leave the planet habitable only by the **earth sciences** bacteria that dominated billions of years of Earth’s history, Harvard geochemist Charles Langmuir said Thursday (Nov. 13).

Langmuir, Higgins Professor of Geochemistry and an expert on the undersea volcanic vents that are contenders for life’s birthplace, said that planets may proceed through a natural series of evolutionary steps that transform them from lifeless balls into the home of bacteria and other microscopic life and then into a place that supports more complex life.

Along the way, life interacts with the nonliving parts of the planet in planet-changing ways. The oxygen in today’s at-

mosphere, for example, was initially given off by early bacteria that changed the air’s chemical composition over billions of years.

Langmuir described this planetary evolution as a series of steps and said there’s no guarantee that a planet will proceed from one to the next. Each step represents a moment of both crisis and opportunity. So far, the Earth has surmounted each step, while other planets, such as Mars, which may have once had microscopic life, failed to cross the evolutionary hurdle where life is sustained and becomes abundant.

“It seems likely that all planets go through stages, but some get stuck and stop,” Langmuir said. “Life, I think, is a natural planetary process, likely to occur on any planet with the proper climate systems.”

The Earth today may be at the brink of another step, Langmuir said. Complex life has evolved into intelligent life that dominates the planet — ecosystems, food webs, and energy flow — as no

species ever has before.

Whether the planet takes the next step or not may depend on us. If we recognize humanity is an integral part of the planet and begin working for a healthy Earth, then planetary evolution could move forward to some unknown future.

On the other hand, Langmuir said, if we continue to view the Earth as something that is separate, that we merely use, then the resulting practices could damage the environment enough to stall planetary evolution, even causing it to fall back to a level where it supports just microscopic life.

“The story of the Earth is our story. We are intimately connected [to the Earth] in every fiber of our being, in every breath we take. We’re inseparable from the Earth,” Langmuir said.

Langmuir spoke to an audience of several hundred at the Geological Lecture Hall in the first talk of the Harvard Museum of Natural History’s “Earth Matters” series. Langmuir’s talk, “Earth  
*(See **Earth**, next page)*

## Quantum

(Continued from previous page)

time that doesn't increase exponentially with the reaction's complexity.

"Being able to predict the outcomes of chemical reactions would have tremendous practical applications," says Ivan Kassal, a graduate student in chemical physics at Harvard. "A lot of research in drug design, materials science, catalysis, and molecular biology is still done by trial and error. Having accurate predictions would change the way these types of science are done."

The researchers demonstrate in PNAS that quantum computers would need to attain a size of about 100 qubits — a qubit is to quantum computers as bits are to conventional computers — to outperform current classical supercomputers at a chemical simulation.

"This is still far beyond current prototype quantum computers," Kassal says. "And although it might take millions of quantum elementary operations on a few hundred quantum bits, our work suggests that with quantum computers that are as fast as modern conventional computers, one could simulate in seconds a chemical reaction that would take a conventional computer years."

Rather than using binary bits labeled as "zero" and "one" to encode data, as in a conventional computer, quantum computing stores information in qubits, which can represent both zero and one simultaneously. When a quantum computer is put to work on a problem, it considers all possible answers by simultaneously arranging its qubits into every combination of zeroes and ones.

Since one sequence of qubits can represent many different numbers, a quantum computer would make far fewer computations than a conventional one in solving some problems. After the computer's work is done, a measurement of its qubits provides the answer.

Aspuru-Guzik and Kassal's co-authors on the PNAS paper are Stephen P. Jordan of MIT, Peter J. Love of Haverford College, and Masoud Mohseni of Harvard. The work was sponsored by the Army Research Office and the Joyce and Zlatko Balokovic Scholarship.

## Anesthetic causes changes in mouse brains

### Commonly used drug produces Alzheimer's-like changes in brain structure

For the first time researchers have shown that a commonly used anesthetic can produce changes associated with Alzheimer's disease in the brains of living mammals, confirming previous laboratory studies.

#### Alzheimer's research

In their *Annals of Neurology* report, which has received early online release, a team of Massachusetts General Hospital (MGH) investigators shows how administration of the gas isoflurane can lead to generation of the toxic amyloid-beta (A-beta) protein in the brains of mice.

"These are the first in vivo results indicating that isoflurane can set off a time-dependent cascade inducing apoptosis [cell death] and enhanced levels of the Alzheimer's-associated proteins BACE and A-beta," says Zhongcong Xie of the MassGeneral Institute for Neurodegenerative Disease (MGH-MIND) and the MGH Department of Anesthesia and Critical Care, the study's lead and corresponding author. "This work needs to be confirmed in human studies, but it's looking like isoflurane may not be the best anesthesia to use for patients who already have higher A-beta levels, such as the elderly and Alzheimer's patients."

Alzheimer's disease is characterized by deposition of A-beta plaques within the brain. The A-beta protein is formed when the larger amyloid precursor protein (APP) is clipped by two enzymes — beta-secretase, also known as BACE, and gamma-secretase — to release the

A-beta fragment. Normal processing of APP by an enzyme called alpha-secretase produces an alternative, nontoxic protein.

Several studies have suggested that surgery and general anesthesia may increase the risk of developing Alzheimer's disease, and it is well known that a small but significant number of surgical patients experience a transient form of dementia in the postoperative period. Last year the MGH team showed that applying isoflurane to cultured neural cells increased activation of the cell-death protein caspase and raised levels of BACE and gamma-secretase as part of a pathway leading to the generation of A-beta. The current study was designed to see if the same process takes place in mice.

Neurologically normal mice received isoflurane for two hours at doses comparable to what would be administered to human patients. Their brains were examined two, six, 12, and 24 hours after they received the anesthesia and compared with the brains of control mice. Results at six hours showed that caspase levels were elevated and BACE had modestly increased in mice that received isoflurane. At 12 hours moderate caspase activation persisted, and BACE levels were even higher in the treated mice; and at 24 hours BACE levels were more than four times higher than in controls, and A-beta levels had also risen, while caspase activation had fallen off.

Another group of mice had been treated for seven days with the drug clioquinol before the two-hour isoflurane administration. Laboratory studies have found that clioquinol inhibits the aggregation of A-beta into neuro-

toxic deposits, and a clioquinol derivative is currently in clinical trials as an Alzheimer's treatment drug. Six hours after the mice received isoflurane, caspase levels in the clioquinol-treated mice were significantly less than in other animals that had received the anesthetic, suggesting both that A-beta aggregation contributes to a vicious cycle of further cell death — echoing a finding from the team's 2007 study — and that a drug such as clioquinol might block isoflurane's neurotoxic effects.

"This study cannot tell us about the long-term effects of isoflurane administration; that's something we will examine in future investigations," notes Xie, who is an assistant professor of anesthesia at Harvard Medical School (HMS) and director of the Geriatric Anesthesia Research Unit in the MGH Department of Anesthesia and Critical Care.

"Until we can directly assess the impact of isoflurane on biomarkers like A-beta levels in the plasma or cerebrospinal fluid of human patients, we cannot conclusively determine its role in increasing the risk for Alzheimer's or postoperative dementia," adds Rudolph Tanzi, director of the MGH-MIND Genetics and Aging Research Unit, senior author of the study, and the Joseph P. and Rose F. Kennedy Professor of Neurology at HMS.

Gregory Crosby of Brigham and Women's Hospital (BWH) is a co-corresponding author of the *Annals of Neurology* paper. Additional co-authors are Yuanlin Dong, Guohua Zhang, and Bin Zhang, MGH-MIND and MGH anesthesia; Robert D. Moir, MGH-MIND; Matthew Frosch, MGH neurology; and Deborah Culley, BWH.

## Earth

Kris Sribbe/Harvard News Office



A sample of molten magma Langmuir collected during one of his expeditions to the East Pacific Rise.

(Continued from previous page)

and Human: A Planetary Perspective," sought to look at humanity and human impacts on the Earth from the long viewpoint of the planet.

Langmuir developed his views as he explored the Earth's ocean basins, where volcanoes along the mid-ocean ridges constantly renew the continental plates. It was while in research vessels' close quarters with scientists from other disciplines who were exploring the living communities clustered around these vents that Langmuir came to appreciate how deeply intertwined living and geological systems are.

"Here we see an entirely different living environment from other life on Earth, based on the planet itself. It has completely changed our view of life on Earth. We see that volcanoes and life are related to each other; Earth and life are related," Langmuir said.

Through the course of the talk, Langmuir brought audience members on a tour of Earth's history.

The early Earth would have looked a lot like the moon, pockmarked and bombarded by meteors, with very active volcanoes, no protective ozone layer, high carbon dioxide, and very

likely high temperatures. The early atmosphere, he said, had no oxygen at all, so early bacteria developed ways to live without it. When those bacteria figured out how to harness the sun's energy through photosynthesis — which Langmuir termed Earth's first energy revolution — oxygen was a byproduct. Released in tiny amounts by untold numbers of bacteria over billions of years, oxygen levels gradually built up in the atmosphere. That not only changed the atmosphere, Langmuir said, it also changed the rocks, as oxygen is very reactive and interacts readily with iron and other elements in the rocks.

To those early anaerobic bacteria, oxygen wasn't a boon; it was a poison. Because oxygen is so reactive, it was toxic to those microscopic creatures. That is why, Langmuir said, chemicals such as antioxidants developed, to protect against oxygen's damaging effects. As oxygen levels rose, however, some creatures learned to use it in a way that provided an enormous boost to their metabolism compared with that of oxygen-free processes. Langmuir described the incorporation of oxygen into metabolism as the planet's second energy revolution.

More complex single-celled crea-

tures, the eukaryotes, joined bacteria in the Earth's microscopic menagerie, eventually teaming up to form multicelled creatures. Eventually, enough oxygen built up that ozone was formed high in the atmosphere, shielding the land from harmful radiation, and allowing life to emerge from the seas.

From there, large animals emerged, then mammals, and finally, humans.

All the while, Langmuir said, physical systems supported and were influenced by living systems, with chemicals cycling into and out of the Earth to maintain the chemical balance of the seas and the air. The end result, Langmuir said, is that we humans are creatures that are very much a part of the Earth and will remain dependent on it for our future.

"We are ... an agent for planetary evolution or an agent for planetary destruction," Langmuir said. "Do we relate to the current environmental problems as if we are users of the Earth, or do we recognize that we are the byproduct of 4.5 billion years of planetary evolution? What we do may determine whether the planet is able to move into its next phase of development."

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# Genetic screening no better than traditional risk factors for predicting type 2 diabetes

Screening for a panel of gene variants associated with the risk for type 2 diabetes can identify adults at risk for the disorder but is not significantly better than assessment based on traditional risk factors such as weight, blood pressure, and blood sugar levels. A multi-institutional research team, led by a Massachusetts General Hospital (MGH) physician, reports their analysis of data from the Framingham Heart Study in the Nov. 20 New England Journal of Medicine (NEJM).

## genetic research

“Although we did confirm that the more risk-associated gene variants you inherit, the greater your risk for developing type 2 diabetes, genetic risk prediction for diabetes is still in its infancy,” says James Meigs of the MGH General Medicine Unit, the study’s lead author. “As additional risk genes are discovered, the value of genetic screening is likely to improve. But with our current knowledge, the measurements your physician makes in a standard checkup tell what you need to know about your type 2 diabetes risk, and genetics doesn’t tell you much more.”

It is well-known that having a close relative with type 2 diabetes significantly increases the risk of developing the disorder. Meigs explains that it has been assumed that genetic transmission was largely responsible for that increased risk, although it is also well-known that behaviors underlying lifestyle-based factors, such as diet and exercise, are learned in family settings. Recent genetic studies have identified 18 gene variants that appear to increase the risk for type 2 diabetes, and the current study was designed to investigate how valuable screening for those variants would be

to predict future risk.

The researchers analyzed data from the Framingham Offspring Study, which follows a group of adult children of participants in the original Framingham Heart Study, to evaluate risk factors for the development of cardiovascular disease, including diabetes. Genotyping for 18 diabetes-associated variants was conducted on blood samples from more than 2,700 study participants. Comprehensive information on diabetes-associated risk factors and outcomes was available for 2,377 of the

(See **Diabetes**, next page)



Stephanie Mitchell/Harvard News Office

In Jamaica, says cultural anthropologist Marla Frederick (above), ‘prosperity’ can mean simply being able to make ends meet.

## Marla Frederick talks about faith, God, and money

*In the ‘dying field’ of Kingston, Jamaica, the ‘prosperity gospel’ flourishes*

By Corydon Ireland  
Harvard News Office

Not long ago, Harvard cultural anthropologist Marla Frederick sat on a wooden bench in a slum of Kingston, Jamaica. She was interviewing local churchgoers about the Christian “prosperity gospel” often promoted by American televangelists. It offers up a simple (and controversial) idea: The more you give, the more you receive.

Frederick was sheltered from the sun in a “tent church” set up by a man named William. It was in the middle of a place so renowned for its violent drive-by shootings it was called the “dying field.” Through it ran a road of cracked asphalt lined with trash.

Frederick, an associate professor in Harvard’s Department of African and African American Studies and a Radcliffe Fellow this year, is a student of the prosperity gospel and televangelism, and how both affect the poor.

In a lecture last week (Nov. 12) at the Radcliffe Gymnasium, she outlined some of her recent work before an audience of 60 in a presentation titled “Color Television: Religion, Media, and Racial Uplift in the Black Atlantic World.” (Frederick is busy co-authoring a new book, “Televised Redemption,” a look at race in religious broadcasting.)

Early in the lecture, she played a clip from one of the televangelists promoting the prosperity gospel — also known as the “seed-faith” gospel for its promise of abundant, crop-like returns to the giver. Do the right thing, said the well-dressed preacher, gliding across a stage, and “blessings will overtake you.”

Then Frederick flashed a picture of the “dying field” and its ramshackle roadway, where at first glance violence and disorder seem to have overtaken any blessings. Then came a picture of the Praise City Deliverance Center, with a scrawled gospel billboard in front.

In places like this — in the “cracks and crevices” of a chaotic urban world, said Frederick — an amalgam of Pentecostal and Baptist faiths is at work nurturing the practice of a kind of “lived religion” that favors hope and joy over despair — a countercurrent to the materialistic prosperity gospel.

In the last three decades, said Frederick, a steadily rising tide of U.S. religious broadcasting has spread the message of the prosperity gospel both nationwide and abroad. (She’s done fieldwork on issues of black identity, activism, and religious experience in the Caribbean, Ecuador, and rural North Carolina.)

Through television, “the narrative of blessings and fortune” is being transmitted “to the

world’s poorest citizens,” said Frederick, raising questions for social scientists. For one, how are the messages in what she called “charismatic broadcasts” being adopted?

Does the rise of the prosperity gospel come with a rise in “occult economies” among the poor, in which spiritual charlatans take advantage of the gullible? (These systems of measuring value claim “to yield wealth without production” in cash-poor societies, said Frederick, who cited studies of “alternative economies” based on magic and spirit mediums in Nigeria, Ghana, Brazil, and elsewhere. In the language of some critics of the prosperity gospel, she said, occult economies see “God as a lottery machine.”)

And she asked: What about “the notion of prosperity itself?”

For many of the believers under that white tent in Jamaica, said Frederick, prosperity is “a condition beyond health and wealth” — a state of peace, serenity, and joy.

Prosperity, she learned in her Jamaica interviews, can simply mean being able to make ends meet.

These nonmaterial rewards have a biblical authority in the Pentecostal tradition, noted Frederick — and may even modify the traditional message of the prosperity gospel.

The message from American televangelists

(See **Frederick**, next page)

## Diabetes

(Continued from previous page)

genotyped participants, 255 of whom developed type 2 diabetes during 28 years of follow-up.

Each participant was assigned a genotype score, based on the number of risk-associated gene copies inherited. The researchers compared the predictive value of genotype score to that of family history alone or of physiological risk factors. While the genotype score confirmed that inheriting more risk-associated alleles increased type 2 diabetes risk, the ability of the genotype score to discriminate those who did not develop diabetes from those who did was not significantly better than family history or individual risk factors.

“With the current state of knowledge, the genotype score doesn’t help us sort out who is at elevated risk any better than measures like weight. We may eventually find out that those individuals without known risk factors who still develop type 2 diabetes have more diabetes-risk genes, once we know what more of those genes are,” Meigs says. “One potential way a genotype score could be clinically valuable is if knowledge of elevated genetic risk would make patients more willing to make lifestyle changes that we know will reduce risk. That’s something we’re hoping to investigate in the near future.” Meigs is an associate professor of medicine at Harvard Medical School.

Co-authors of the NEJM report are Peter Shrader and Jose Florez, MGH Department of Medicine; Jarred McAteer, MGH Center for Human Genetic Research; Lisa Sullivan, Josée Dupuis, Alisa Manning, and Adrienne Cupples, Boston University School of Public Health; Caroline Fox, Brigham and Women’s Hospital and Framingham Heart Study; Peter Wilson, Emory University School of Medicine; and Ralph D’Agostino Sr., Boston University. The study was funded by the National Heart, Lung, and Blood Institute and by grants from the National Institute for Diabetes and Digestive and Kidney Diseases and the National Center for Research Resources.

## Frederick

(Continued from previous page)

— that God wants all believers to be at least to some degree materially rich — may be taking on a more fluid definition of prosperity, she said: the idea that it may be “more than health and wealth.”

In the shade of William’s tent church, a single mother named Monica told Frederick that prosperity can be very basic, and comes in little steps. Prosperity is when she can buy food instead of going hungry; when she can change clothes, instead of having just one dress; and when she can work, instead of trafficking in drugs.

To Hannah, a woman just as poor, prosperity is her state of mind. She told Frederick that, bolstered by faith, she felt “highly favored, mentally and physically.”

Under the same tent, a young man named Daniel offered, “Am I prosperous? I am not. But I am prosperous spiritually.”

A sentiment like this “keeps prosperity doctrine from being completely self-centered,” said Frederick, and offers “a theory of prosperity beyond money.”

During one city-wide gospel night in Jamaica, she watched as people came forward to put bills and coins on the altar to support the local poor.

Soon an old lady shuffled to the front, putting a comforter set and pillow next to the cash — an echo of African prosperity gospel meetings, where donated shoes, coats, and bags are the currency of faith.

“You give whatever you have,” said Frederick of the old lady — an emblem of the changing face of the prosperity gospel. “It’s a blessing for someone in need.”

## CPIC



Photos Justin Ide/Harvard News Office

President Drew Faust makes remarks at an event celebrating the recent generous gift to CPIC made by Charlotte Chen Ackert '76 and David Ackert.

(Continued from page 1)

a new Public Service Committee, charged to investigate how to ease and broaden related information.

“Harvard undergraduates are particularly interested in public service work,” said Faust, who asked the committee for recommendations by the end of the spring term. “We want to respond to that need.”

In any given academic year, more than a third of Harvard undergraduates do public service volunteer work, she said. Surveys of graduating seniors show a recent uptick in interest in the public sphere. And a 2008 study by the Harvard College Office of Career Services concluded that work in the nonprofit sector is the single greatest area of interest for Harvard students.

But there are barriers to satisfying that interest, University officials said, and the new committee is charged with looking into them. For one, meaningful job searches in the public sector or among nonprofits are often hampered by recruiting methods (and budgets) that don’t match up to the worlds of finance, banking, and investment.

Giving students the means to search for jobs over a broader range of careers — thanks to the Ackert family donation —

has added meaning in a period of economic downturn, said Hammonds. “This gift,” she said, “comes at a timely moment.”

The new committee will also report back on the range of opportunities students have for summer, term-time, and postgraduate work in the public service sector.

Faust also asked the new committee — chaired by Charles Cardillo '91, executive director of the Harvard College Fund — to explore the best practices of Harvard’s peer institutions, and bring lessons learned back to Cambridge. (Harvard’s Office of Institutional Research will help the committee compile relevant data and track future trends in career interests.)

Based on a tentative list, the Public Service Committee is composed of 16 senior administrators from across the University, including career service professionals who place students in policy, government, health, law, and business fields. The committee’s membership will also include two student representatives from Harvard College.

Hammonds — who is the Barbara Gutmann Rosenkrantz Professor of the History of Science and of African and African American Studies — praised the CPIC, which in the seven years since its founding has helped place 850 Harvard stu-

dents and recent graduates in public service internships, fellowships, and postgraduate careers — 100 such placements in 2008 alone.

She also praised CPIC’s partners in providing public interest resources: the Harvard Alumni Association, the Harvard College Office of Career Services, the Harvard University Student Employment Office, the Institute of Politics at the Harvard Kennedy School, and the Phillips Brooks House Association (PBHA), which alone oversees 77 volunteer programs and 12 summer camps.

The Ackert gift “represents a wonderful day for the College and for students,” said PBHA Executive Director Gene Corbin, who gets inquiries from many students interested in public service. The gift, he said, will add to “the structures” that help them.

“There are many ways our students will go out into the world,” said Hammonds, and having more job-search resources will give undergraduates “every opportunity to make a full and conscious choice” of careers.

After Faust and Hammonds spoke, CPIC coordinator Amanda Sonis Glynn J.D. '03 mingled at the reception with a few friends — all of them excited by the opportunities opened by the Ackert gift. The gift comes at the right moment, she said, when a generation of students seems “so passionate about trying to make a difference in the world around them.”

The same moment in time was noted earlier by Faust, who remarked on the energetic volunteerism of the recent presidential campaigns.

Public service options don’t have to be confined to a summer or a semester, and they don’t even have to be the sole business of a whole life, said Glynn, who is also director of the Harvard Public Service Network.

“There are ways to incorporate public interest in your life choices,” she said, “wherever you end up.”

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**Harvard College Dean Evelyn Hammonds talks to guests during the reception honoring the Ackerts.**



# 'Godot' in the bayou: Artist Chan speaks at Carpenter Center

**Upcoming talk:** Artist Paul Chan in conversation with Homi Bhabha and Helen Molesworth, Dec. 3, 5 p.m., Fong Auditorium, Boylston Hall.

**Exhibit:** Paul Chan's installation 'Three Easy Pieces' on view through Jan. 4 in the main gallery, Carpenter Center, 24 Quincy St. Chan uses 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.



From 'Baghdad in No Particular Order.'

By Colleen Walsh  
*Harvard News Office*

Paul Chan is soft-spoken, but his words are heavy. Carefully chosen, they offer an insight into his reflective process and the weighty implications of his work.

A rising star in the contemporary art scene, the New York artist spoke Nov. 13 at Harvard's Carpenter Center for the Visual Arts in conjunction with his new video, digital, and animated installation "Paul Chan: Three Easy Pieces." But his talk focused largely on another recent project, an outdoors play produced in the fall of 2007 in a devastated part of the United States.

"If we included this lecture as part of the show," said Chan, "maybe the title

would be called 'three easy pieces and one really, really hard piece.'"

The difficult work was the staging of Samuel Beckett's classic "Waiting for Godot" in New Orleans in the aftermath of Hurricane Katrina.

While visiting the city to give a lecture at Tulane University in 2006, Chan witnessed the destruction firsthand. "The blocks and blocks of nothingness and the palpable sense of waiting," he said, overwhelmed him.

"I had to make it make sense, and the only thing I could come up with in trying to make sense of what I was looking at was that the landscape of New Orleans ... looked absolutely like every production of Samuel Beckett's play 'Waiting for Godot' that I had ever seen."

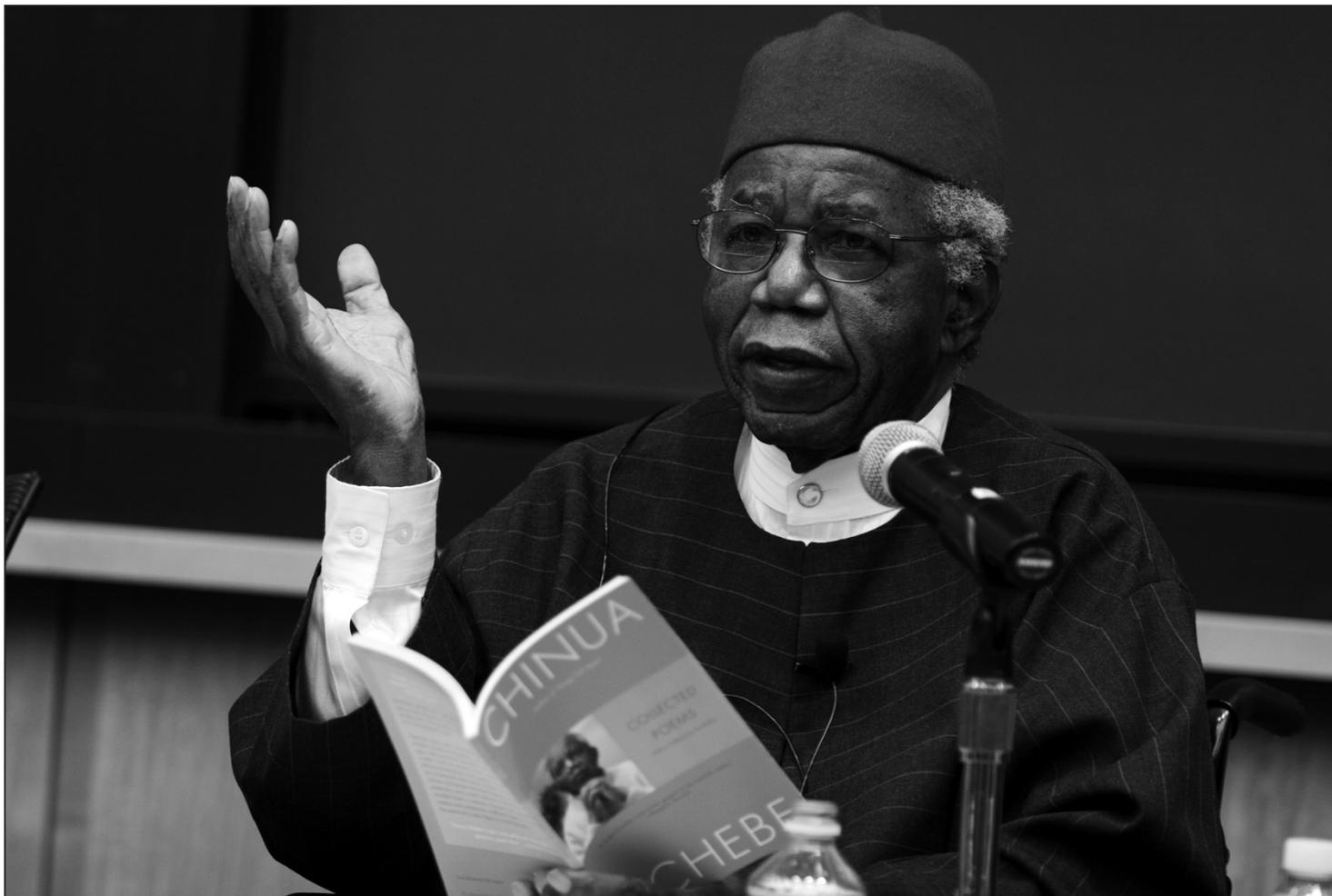
Fond of quoting philosophers, artists,

and literary greats, Chan said such catastrophe evoked German-born philosopher Theodor Adorno's line, "Art is reason that makes reason ridiculous." Performing the play in New Orleans, where people were still waiting, Chan said, "made perfect sense, it made more sense than sense."

The work has been produced in a volatile setting before. In 1993, Susan Sontag staged a version of the play in the war-torn city of Sarajevo in the former Yugoslavia, in a theater lit only by candles. Chan's production took place outside in two locations, on a street in the Lower Ninth Ward, one of the hardest-hit sections of the city, and at an abandoned house in Gentilly, another area severely damaged by the hurricane.

(See *Chan*, page 32)

In a low, melodious voice, Chinua Achebe shares brief tales about experiences in Nigeria and abroad — some lively, some poignant, others heart-wrenching.



Nick Welles/Harvard News Office

# Achebe celebrates African literature with poetry

*Distinguished novelist and poet moves, amuses Tsai Auditorium audience*

By Emily T. Simon  
*FAS Communications*

Chinua Achebe, the esteemed Nigerian novelist and poet, delivered this year's Distinguished African Studies Lecture at the Center for Government and International Studies (CGIS). Greeting the standing-room-only crowd in Tsai Auditorium earlier this week (Nov. 17), Achebe surprised the group by announcing that he had an unusual program in mind.

"I will not be giving you a lecture," Achebe said. "Instead, I will be celebrating with you 50 years of the arrival of African literature, and I will do that celebration through poetry."

Achebe is best known for his 1958 novel "Things Fall Apart," which has been translated into 50 languages and is widely considered a literary classic.

Monday's celebration focused not on prose but on poetry, as Achebe read a selection of poems from his collected works. He also offered short anecdotes about the context or inspiration for each poem.

"All of my poems," he said, "come with stories." In a low, melodious voice, Achebe shared brief tales about experiences in Nigeria and abroad — some lively, some poignant, others heart-wrenching. Achebe's nine selections included several poems about political themes, such as the Biafran War (Nigerian Civil War) of 1967-1970 and a poem he wrote for the statesman and poet Agostino Nieto, former president of Angola.

Other poems expressed the challenges of life in poverty-stricken Africa. One, titled "A Mother in a Refugee Camp," described the pride and tenderness of a young mother as she combed the hair of her starving infant son.

*"No Madonna and Child could touch / her ten-*

*derness for a son / she would soon have to forget,"* Achebe read. *"Other mothers there / had long ceased to care / but not this one."*

"This was something I actually saw, reflected in the poem," Achebe said quietly.

Achebe also read a tribute he wrote for his childhood friend Christopher Okigbo, who was killed in the Biafran War. Titled "A Wake for Okigbo," the piece is based on traditional dirges from the Igbo people, Achebe's native language group. The Igbo reside primarily in southeastern Nigeria.

"When a member of [the community] dies," Achebe said, "his mates go around town looking for him or her. They may have heard a rumor that this person is dead, but they don't accept it. They say, 'This is our friend, he plays these jokes ... he will turn up.' It's only until the end of the night, when the friend hasn't returned, that they finally

(See *Achebe*, page 32)

**SPORTS WRAP-UP**

**Women's Basketball (1-1; 0-0 league)**

University of South Florida Shootout  
 L Loyola (Md.) 69-78  
 W CCSU (consolation game) 70-63

**Men's and Women's Cross Country**

NCAA Northeast Regional (M) 8/33, (W) 7/34

**Women's Crew**

Foot of the Charles (HW) 2/58, (LW) 33/58

**Football (8-1,5-1 league)**

W Penn 24-21

**Men's Hockey (4-2-1; 4-2-1 league)**

W Clarkson 5-1  
 W St. Lawrence 1-0  
 T at Brown 3-3

**Women's Hockey (3-2-1; 3-2-1 league)**

L at Clarkson 0-2  
 L at St. Lawrence 1-3

**Coed Sailing**

Atlantic Coast Tournament/Fiske-Harriman-Sleigh 3/18  
 Women's Atlantic Coast Tournament 4/18

**Men's Soccer (11-5-0; 5-2-0 league)**

L Penn 0-1

**Women's Soccer (10-3-5; 5-1-1 league)**

NCAA Tournament First Round  
 L Northeastern 2-2 (20T) NU wins in PKT, 4-2

**Men's Swimming (2-0; 2-0 league)**

W Dartmouth 253-47  
 W Cornell 158-142

**Women's Swimming (2-0; 2-0 league)**

W Dartmouth 181-114  
 W Cornell 198-97

**Women's Volleyball (10-16; 5-9 league)**

W Columbia 3-0  
 L Cornell 2-3

**UPCOMING SCHEDULE**

**The week ahead  
(Home games in bold)**

**Thursday, Nov. 20**

W Basketball Holy Cross 7 p.m.

**Friday, Nov. 21**

M Fencing **Tufts, Sacred Heart** 5:30 p.m.  
 W Fencing **Tufts, Sacred Heart** 5:30 p.m.  
 M Hockey Cornell 7 p.m.  
 W Hockey Colgate 7 p.m.  
 M Squash Brown 4:30 p.m.  
 W Squash Brown 4:30 p.m.  
 M Swim Columbia 5 p.m.  
 W Swim Columbia 2 p.m.

**Saturday, Nov. 22**

M Basketball Colorado 7 p.m.  
 Cross Country ECAC/IC4A Championships TBA  
 MH Crew Tail of the Charles all day  
 ML Crew Tail of the Charles all day  
 Football Yale noon  
 M Hockey Colgate 7 p.m.  
 W Hockey Cornell 7 p.m.

**Sunday, Nov. 23**

W Basketball Marist 2 p.m.  
 W Squash Williams 2 p.m.  
 W Squash Williams 2 p.m.

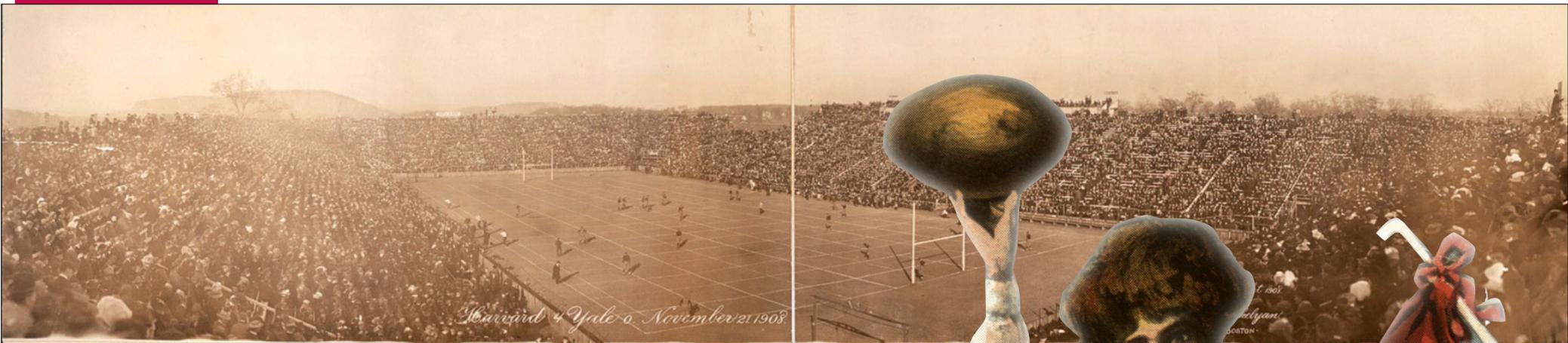
**Monday, Nov. 23**

Cross Country NCAA Championships TBA

**Tuesday, Nov. 25**

M Basketball Holy Cross 7 p.m.

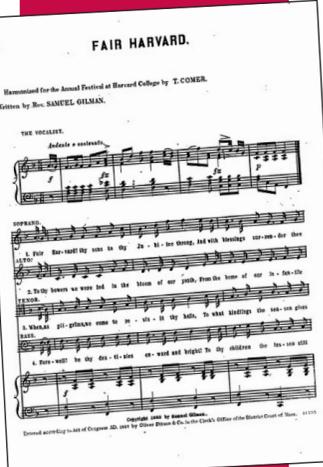
Visit [www.gocrimson.com](http://www.gocrimson.com) for the latest scores and Harvard sports information or call the Crimson Sportsline (617) 496-1383.



**'The Game'**  
 On Saturday (Nov. 22) at noon, the Harvard Crimson will battle the Yale Bulldogs at the Stadium in the 125th meeting of their storied rivalry. Dating back to the first time the two teams met in 1875, Yale leads the all-time series with 65 wins, 51 losses, and eight ties. Harvard, however, is 6-1 in the past 7 seasons against the Bulldogs.

Tickets for 'The Game' are sold out. Coverage will be broadcast on Versus. Check your local listings.

**video, stories**  
 To take a look back at Harvard's football history, 'Harvard Stadium celebrates a century,' go to [www.hno.harvard.edu/multimedia/stadium](http://www.hno.harvard.edu/multimedia/stadium).



# FIELD TRIP

Taking a look back as Harvard and Yale meet for the 125th time

By Emily T. Simon  
*FAS Communications*

For well over a century, Harvard and Yale have gone head-to-head at the end of November for the epic football match known simply as "The Game." The contest is steeped in history and tradition, not just for the undergraduates who take to the field but also for the thousands of students and alumni who descend on campus to cheer for their beloved schools. This year, crowds will be celebrating a special milestone: 2008 marks the 125th playing of The Game.

The rivalry — the oldest in college football — began on Nov. 13, 1875, when Harvard and Yale met at Hamilton Field in New Haven. The game was played according to rugby rules. Harvard, dressed in crimson shirts and knee breeches, won 4-0. In 1898, it was determined by both teams that The Game should be the final match on the football schedule, and it has remained that way ever since. The match alternates between Soldiers Field in Allston and the Yale Bowl in New Haven.

Victory, defeat, triumph, heartbreak — Harvard and Yale have known them all in their years of play. As of November 2007, Yale has won 65 matches, Harvard has won 51, and the teams have tied eight times.

A few games, however, have made a special mark on the history books. The match in 1894 was so brutal that newspapers reported seven players carried off the field in "dying" condition, and the schools suspended athletic competition for two years. In 1954, Harvard obtained its 500th win by beating Yale 13-9, at home.

One of the most fabled games took place in 1968. Both teams went into the match with a perfect 8-0 season. On the Harvard line was a senior offensive tackle who would later go on to gain Hollywood fame as an Academy Award-winning actor: Tommy Lee Jones. The Elis took charge early, leading 22-0 by the second quarter. Desperate to recover, the Harvard coach put in junior Frank Champi, a fourth-string QB. Though Champi had made just five completions the entire season, he seemed to

work magic. A few perfect passes by Harvard and a series of fumbles by Yale brought the score to 29-13, with less than 10 minutes remaining. The clock wound down, and the Crimson kept driving. In the final 42 seconds, Harvard scored two touchdowns, bringing the score to 29-27. With no time left on the clock, Harvard went for the two-point conversion and scored to tie the game. The next day's headline in the Harvard Crimson told the whole story: "Harvard Beats Yale, 29-29."

The 2005 Game will also be remembered for a brilliant Harvard comeback. The Crimson trailed 21-3 at the beginning of the second half. With less than 15 minutes to go, defensive back Steven Williams '08 returned an interception 18 yards for a touchdown. Williams' play set off a rally that kept the Crimson in fighting form. They forced the game to three overtime sessions, before finally claiming victory 30-24. It was the longest game in Ivy League history.

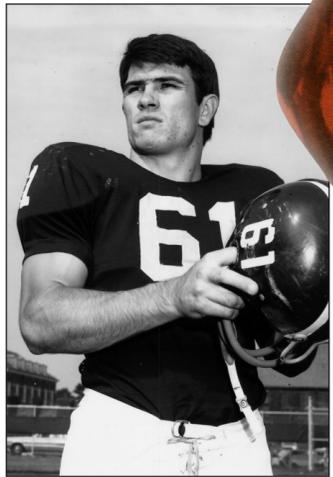
The football field isn't the only place where the Harvard-Yale rivalry gets played out on Game weekend. Beginning with a pep rally on Thursday night, the Harvard campus turns Crimson as undergraduates show Elis the true meaning of school spirit. Several student organizations welcome their Yale counterparts for a tête-à-tête: at the annual Harvard-Yale Football Concert, for example (held in Sanders Theatre Friday night before the game), the Harvard and Yale Glee Clubs perform fight songs in college regalia and try to drown one another out before the finale. The Immediate Gratification Players, an improvisational comedy group, compete for laughs against improv troupes from Yale.

Undergraduates may keep the rivalry heated, but it wouldn't be Game Weekend without the thousands of alumni who come to support their alma mater, reconnect with old friends, and enjoy a few days back on campus. Their lavish tailgates and spiffy dress set the example for current seniors, who — whether they can believe it or not — will find themselves entering the "Alumni" section of the tailgate in just one year.

A special tradition for alumni is the waving of the "Little Red Flag," a small cloth banner



Nov. 23, 1968: The Crimson score 16 points in the final 42 seconds of the 85th annual Harvard-Yale game to secure a 29-29 draw. The spectacular finish earns Harvard an unofficial victory (29-29 'win') in the hearts and minds of fans. A member of the Crimson team fighting in this historic battle was future Oscar winner Tommy Lee Jones (below).



Photos courtesy of Harvard University Archives, Harvard University Athletics Department

**SPORTS BRIEFS**

**Crimson win despite surrendering an early lead at Penn**

After jumping to a 17-0 lead in the middle of the third quarter, the No. 19 Crimson (8-1; 5-1 Ivy League) barely snuck out of Penn (5-4; 4-2 Ivy League) with a 24-21 win last Saturday (Nov. 15). With three minutes remaining and the Quakers threatening to score, it took a Ryan Barnes '09 interception to seal the win, keeping Harvard in first place.

Barnes — who recorded a total of three interceptions (two in the end zone), six passes defended, and five tackles in the contest — was named both Ivy and National Defensive Player of the Week for the first time in his career.

At the 125th meeting between Harvard and Yale this Saturday (Nov. 22), senior quarterback Chris Pizzotti will enter his final game as the Crimson's signal-caller, trying to become Harvard's all-time passing leader in yards, passing touchdowns, and passing attempts. He is 383 passing yards, four passing touchdowns, and 40 passing attempts behind all-time leader Neil Rose '03.

The Crimson enter Saturday's contest tied with Brown for first place in the conference. If both Harvard and Brown win their weekend games, the two will share the Ivy League title. A four-way tie is also possible, as Yale and Penn are not yet eliminated from contention. If Brown loses to Columbia, Harvard loses to Yale, and Penn beats Cornell, the four teams will have a 5-2 record and share the Ivy title and will be the first time in league history that four teams are crowned as co-champions.

**Crushing NCAA first-round loss completes memorable season**

The Crimson women's soccer team fell in devastating double-overtime fashion, losing in a penalty shootout to the Northeastern Huskies on Friday (Nov. 14). After completing the second overtime period deadlocked 2-2, Northeastern outscored Harvard 4-2 in the shootout to advance to the second round of the NCAA Tournament.

The loss brings the season to an end for the Crimson, who were crowned Ivy League champions for the first time since 1999 and had six All-Ivy selections (all returning next season), including first-team honorees Lizzy Nichols '10 and Katherine Sheeleigh '11. Freshman forward Melanie Baskind, who was named to the Ivy second team, was selected as the 2008 Ivy Rookie of the Year.

Harvard closes the season with a 10-4-4, 5-1-1 Ivy League record (representing the best overall win percentage since 2000 for the Crimson), and graduates six seniors.

**Men's soccer drops final contest in OT, still receives NCAA berth**

After inclement weather forced the Crimson's last regular season game on Saturday (Nov. 15) at Penn to move to the next day, the Crimson men's soccer team gave up the game-winner on a break-away four minutes into the sudden-death overtime to lose 0-1. Despite outshooting the Quakers 15-7 in the contest, Harvard got off no shots in the overtime, and Penn handed the Crimson their second Ivy defeat of the season. Because the Dartmouth Big Green won its game Friday night against Brown 2-0, both the Quakers and the Big Green finish the season with a share of the conference title. Harvard ends the season in third-place.

Monday (Nov. 17) the Crimson (11-5-0; 5-2-0 Ivy League) received an at-large bid to the NCAA tournament and will travel to Amherst, Mass., to face the UMass Minutemen on Saturday (Nov. 22) at 12 p.m. A win means Harvard would advance and play the South Florida Bulls, who are the tournament's No. 8 seed, on Nov. 25 at 7:30 p.m.

An early 20th century booster carrying a red flag. A special tradition for alumni is the waving of the 'Little Red Flag,' a small cloth banner embroidered with an 'H.' The flag was originally carried by Frederick Plummer, Class of 1888, who brought it to the game as a token of good luck.

Image courtesy John Lenger/Personal collection

More sports briefs, page 18

## SPORTS BRIEFS

## Icers rebound, skate into first place

After suffering back-to-back losses at Rensselaer and Union the previous weekend, the Harvard men's hockey team are back to on track after defeating No. 16 Clarkson 5-1 (Nov. 14), No. 19 St. Lawrence 1-0 (Nov. 15), and tying Brown 3-3 (Nov. 18). After completing a weekend sweep, the Crimson have not only resurfaced in the polls at No. 18, but the tie at Brown bumps Harvard into sole possession of first place. In the win against Clarkson, the Crimson had their strongest offensive performance of the year, scoring five goals by four different Crimson players. On Saturday, however, it was the Crimson defense that led the way, with freshman goaltender Matt Hoyle (name ECAC Rookie of the Week on Nov. 17) posting 29 saves in the first shutout of his career. Against Brown, Harvard (4-2-1; 4-2-1 ECAC; 1-0-1 Ivy League) nearly escaped Providence with a win, but still played solidly enough to add a point in the standings, placing the Crimson atop the ECAC.

## Crimson swept in weekend series despite the return of Stone and Vaillancourt

The return of coach Katey Stone and 2007-08 Patty Kazmaier winner Sarah Vaillancourt '09 was not enough help for the No. 4 Harvard women's hockey team, as they fell 2-0 at Clarkson (4-5-2; 2-1-0 ECAC) on Friday (Nov. 14) and at No. 8 St. Lawrence (7-1-2; 4-0-0 ECAC), 1-3, on Saturday.

Stone and Vaillancourt missed the first four games of the season while participating in the annual 4 Nations Cup (Nov. 4-9), in which Stone coached Team USA to a 3-2 shootout victory against Vaillancourt's Team Canada in the championship game.

The Crimson have not lost two consecutive regular season games since February 2006.

The icers will attempt to bounce back this weekend (Nov. 21 and 22) when they return home to Bright Hockey Arena to face Colgate and Cornell on Friday and Saturday, respectively, at 7 p.m.

Compiled by Gervis A. Menzies Jr.

## Radcliffe Institute appoints faculty leaders

## Program appointments to 'spur new multidisciplinary collaborations'

In the Harvard community and worldwide, the Radcliffe Institute for Advanced Study is known for interdisciplinary ventures and for providing an ideal environment for incubating creative ideas and discoveries. To enhance its programs, the Radcliffe Institute has appointed several faculty leaders who will help spur new multidisciplinary collaborations in the arts, humanities, sciences, and social sciences.

"The most exciting, cutting-edge discoveries often take place when scholars, scientists, and artists from a variety of disciplines collaborate to address problems and issues of common interest. By appointing these new faculty leaders, we expect not only to augment work that is already being done at Radcliffe, but also to complement ongoing activities at other Harvard Schools," said Barbara J. Grosz, dean of Radcliffe and Higgins Professor of Natural Sciences in the Harvard School of Engineering and Applied Sciences. "Our faculty leadership will further strengthen Radcliffe's links to Harvard faculties and help to shape new cross-disciplinary initiatives by taking advantage of Radcliffe's neutral turf and convening powers."

## New leaders, programs, and opportunities at Radcliffe

Drawn from several of Harvard's Schools, Radcliffe faculty leaders are experts in a broad array of fields and have many different interests. These faculty leaders will work with faculty members throughout the Harvard community and Radcliffe leadership to develop new efforts in policy studies, social sciences, arts, and humanities, in addition to continuing programs in the sciences.

Planning for new and expanded programming is currently under way; further details will be announced at a later date. Additional leadership appointments in the creative arts are likely to follow.

Current appointments:

## Humanities leaders/Ann Blair and Ewa Lajer-Burcharth

Ann Blair is the Henry Charles Lea Professor of History at Harvard. She has served on the Harvard faculty for more than 14 years and was named a MacArthur Foundation fellow in 2002. Blair specializes in the intellectual and cultural history of early modern Europe, with an emphasis on the history



File Rose Lincoln/HNO

Blair

of the book, the relations between science and religion, and early modern France. She has recently finished a book that explores how scholars managed information in an era that long predated search engines or databases. She is also the author of the book "The Theater of Nature: Jean Bodin and Renaissance Science" (Princeton University Press, 1997).



File Rose Lincoln/HNO

Lajer-Burcharth

Ewa Lajer-Burcharth is a professor of the history of art and architecture at Harvard. With a focus on 18th and 19th century European art as well as contemporary art and critical theory, Lajer-Burcharth has taught a variety of courses about provocative issues in art during these periods. She is the author of "Necklines: The Art of Jacques-Louis David after the Terror" (Yale University Press, 1999). Lajer-Burcharth has a forthcoming book titled "A Touch of Self: Paint and Person in Eighteenth Century Art" and is currently working on "Interiority at Risks: Precarious Spaces in Contemporary Art." She has received fellowships from the Guggenheim Memorial Foundation and the Institute for Advanced Study in Princeton, N.J.

## Social science leaders/Brigitte Madrian and Robert J. Sampson

Brigitte Madrian is the Aetna Professor of Public Policy and Corporate Management at the Harvard Kennedy School and a research associate at the National Bureau of Economic Research. Madrian's current research focuses on household saving and investment behavior. Her work in this area has impacted the design of employer-sponsored savings plans in the United States and has influenced pension reform legislation both nationally and abroad. Madrian received the John Heinz Dissertation Award from the National Academy of Social Insurance and the TIAA-CREF (Teachers Insurance and Annuity Association-College Retirement Equities Fund) Paul A. Samuelson Award.

Robert J. Sampson is chair of the Department of Sociology and the Henry Ford II Professor of the Social Sciences at Harvard. He is engaged in a long-term study from birth to death of 1,000 disadvantaged men born in Boston during the Great Depression era, and



Martha Stewart

Madrian

has two books from this project, "Shared Beginnings, Divergent Lives: Delinquent Boys to Age 70" (Harvard University Press, 2003) and "Crime in the Making: Pathways and Turning Points through Life" (Harvard University Press, 1993). Sampson's two books have been recognized with numerous scholarly awards. A former senior research fellow at the American Bar Foundation and a fellow at the Center for Advanced Study in the Behavioral Sciences at Stanford University, he is now a member of the American Academy of Arts and Sciences and the National Academy of Sciences.



File Kris Snibbe/HNO

Sampson

## Science leaders/Dimitar D. Sasselov and Rosalind A. Segal

Dimitar D. Sasselov has taught at Harvard since 1998 and is currently a professor of astronomy and the director of the Harvard Origins of Life Initiative. He arrived at the Center for Astrophysics (CfA) in 1990 as a Harvard-Smithsonian Center postdoctoral fellow. His research explores the many modes of interaction between radiation and matter, from the evolution of hydrogen and helium in the early universe to the study of the structure of stars. Most recently, his research has led him to explore the nature of planets orbiting other stars, and he has discovered a few planets using novel techniques. He hopes to use these techniques to find planets like Earth.



File Jon Chase/HNO

Sasselov

Rosalind A. Segal is a member of the Department of Pediatric Oncology at the Dana-Farber Cancer Institute and is a professor of neurobiology at Harvard Medical School. Her laboratory research focuses on the biology of brain tumors by probing the complex molecular machinery of the developing brain. She is the recipient of numerous honors, including the Robert H. Ebert Clinical Professor award from the Esther A. and Joseph Klingenstein Fund, an award from the Claudia Adams Barr Program in Innovative Basic Cancer Research, and a National Institutes of Health Directors Pioneer Award.



Samuel Ogden/Dana-Farber

Segal

## Carbonari named chair, Fulton named vice chair of Harvard's JCHS Policy Advisory Board

Bruce A. Carbonari, chairman and CEO of Fortune Brands Inc., has been named chair of the Policy Advisory Board at the Joint Center for Housing Studies (JCHS) at Harvard.

"Bruce Carbonari is a true leader. His commitment to housing and the research of the Joint Center will help illuminate the critical issues facing the housing market today and tomorrow," said Nicolas P. Retsinas, director of the Joint Center.

The Joint Center also appointed Daniel S. Fulton the board's new vice chair. Fulton is current-

ly president and CEO and a member of the board of directors of Weyerhaeuser Co.

Established in 1959, Harvard's Joint Center for Housing Studies is the nation's leading center for information and research on housing in the United States. The JCHS is a collaborative unit affiliated with the Harvard Graduate School of Design and the Harvard Kennedy School. The Policy Advisory Board, which was created in 1971, has a long-standing history of supporting housing research at Harvard.

## HSPH presents Q Prize to maestro

The Harvard School of Public Health (HSPH) recently announced that the second annual Q Prize, named in honor of music impresario Quincy Jones, will be awarded to Gustavo Dudamel and to his mentor, José Antonio Abreu. Dudamel is an internationally celebrated conductor, and Abreu is the

founder of El Sistema, a pathbreaking Venezuelan program that uses intensive instruction in classical music to transform the lives of hundreds of thousands of at-risk youth. Dudamel emerged from El Sistema, and first gained widespread acclaim as the conductor of El Sistema's celebrated Simon Bolivar Youth Orchestra.

The Q Prize was created to recognize and promote extraordinary leadership on behalf of children and is supported by a gift from Time Warner and individual donations.

Since 1994, Quincy Jones has collaborated with the Harvard School of Public Health's Center for Health Communication, directed by Jay Winsten associate dean for public and community affairs in HSPH, on national media campaigns to prevent youth violence and recruit volunteer mentors for at-risk youth.

Compiled by Gervis A. Menzies Jr.

Courtesy Faye Photo



Carbonari

Daniel S. Fulton

## NEWSMAKERS

# Calendar

Events for November 20-December 11, 2008



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John Shaw talks about understanding — and preparing for — earthquakes  
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### Sneak peek

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### TB in Korea

Jim Kim talks about the challenge of the disease on the Korean peninsula  
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## comedy

Sat., Nov. 29—“Capitol Steps.” (Harvard Box Office) Capitol Steps present their all-new “Campaign and Suffering” tour. Sanders Theatre, 5 p.m. and 8 p.m. Tickets are: \$38/\$34/\$29 general; \$5 off for students. Harvard Box Office (617) 496-2222.

*(Continued on next page)*

Photo by Richard Haughton

‘Aurélia’s Oratorio’ is Victoria Thierree’s dazzling display of stage illusion, inspired by the magic of music hall and circus. Starring her daughter Aurélia Thierree, granddaughter of Charlie Chaplin, this show for the whole family is presented by the A.R.T. Nov. 28-Jan. 3. See theater, page 20.

LEFT: Aurélia Thierree

*(Continued from previous page)*

## concerts

Thu., Nov. 20—**“Midday Organ Recital.”** (The Memorial Church, HAM) Members of the Harvard Organ Society. 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](http://www.harvardartmuseum.org).

Thu., Nov. 20—**“Bach, Berg, Beethoven.”** (Harvard Box Office) Bach’s “Concerto for Oboe and Violin,” Berg’s “Violin Concerto,” and Beethoven’s “Eroica.” Conducted by Benjamin Zander. Tickets are: \$70/\$55/\$40/\$15 general; \$5 off students/senior citizens/Coolidge Corner Theatre; half-price for MTA; 20 percent off Outings & Innings; \$8 RUSH tickets, cash only (available 90 minutes prior to concert; 2 per ID for students, 1 per person for senior citizens). Sanders Theatre, 7:30 p.m. Harvard Box Office (617) 496-2222.

## 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.

### Addresses

**Mail:**  
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Cambridge, MA 02138

**Telephone:** (617) 496-2651  
**Fax:** (617) 496-9351  
**E-mail:** [calendar@harvard.edu](mailto:calendar@harvard.edu)

### 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., Nov. 21—**“Mozart Society Orchestra Fall Concert.”** (Harvard-Radcliffe Mozart Society) Harvard-Radcliffe Mozart Society Orchestra performs selections by Mozart. Paine Hall, 8 p.m. Tickets are \$7 general; \$5 students. Harvard Box Office (617) 496-2222.

Fri., Nov. 21—**“Harvard-Yale Football Concert.”** (Harvard Glee Club) Harvard Glee Club joins the Yale Glee Club for the 109th time to sing the annual Harvard-Yale football concert the night before the game. Sanders Theatre, 8 p.m. Tickets are: \$20 general; \$10 students/senior citizens. Harvard Box Office (617) 496-2222.

Fri., Nov. 21—**“Harvard-Yale Concert.”** (Harvard Krokodiloes) The Harvard Krokodiloes make music with the Yale Whiffenpoofs. Busch Hall, 29 Kirkland St., 8 p.m. Tickets are \$10 general. Harvard Box Office (617) 496-2222.

Sat., Nov. 22—**“Debussy, Chopin, Borodin.”** (Dudley House Orchestra) Dudley House Orchestra performs Debussy’s “Nuages,” Chopin’s “Pianoconcerto No. 1 in E minor,” and Borodin’s “Symphony No. 2 in B minor.” Tickets are \$10 general; \$7 students/senior citizens. Paine Hall, 8 p.m. Harvard Box Office (617) 496-2222.

Sat., Nov. 22—**“Harvard-Yale Jamboree.”** (Radcliffe Pitches, Din & Tonics) Performance by Radcliffe Pitches and Harvard Din & Tonics. Sanders Theatre, 8 p.m. Tickets are \$12 general; \$8 students. Harvard Box Office (617) 496-2222.

Sat., Nov. 22—**“Body and Soul: The Harvard-Yale Talent Showcase.”** (Kuumba Singers) The Kuumba Singers present a talent showcase featuring performance groups from Harvard and Yale colleges. The event will close with a performance from the Kuumba Singers. Lowell Lecture Hall, 17 Kirkland St., 8:30 p.m. Tickets are \$5 general. Harvard Box Office (617) 496-2222.

Sun., Nov. 23—**“Bach, Berg, Beethoven.”** (Harvard Box Office) Bach’s “Concerto for Oboe and Violin,” Berg’s “Violin Concerto,” and Beethoven’s “Eroica.” Conducted by Benjamin Zander. Tickets are: \$78/\$60/\$45/\$25 general; \$5 off students/senior citizens/Coolidge Corner Theatre; half-price for MTA; 20 percent off Outings & Innings; \$8 RUSH tickets, cash only (available 90 minutes prior to concert; 2 per ID for students, 1 per person for senior citizens). Sanders Theatre, 3 p.m. Harvard Box Office (617) 496-2222.

Sun., Nov. 23—**“Mozart, Brahms, Dvorak.”** (Harvard Box Office) Boston Chamber Music Society performs Mozart’s “Violin Sonata in A major,” Brahms’ “Clarinet Trio in A minor, Op. 144,” and Dvorak’s “Piano Trio in F minor, Op. 65.” Sanders Theatre, 7:30 p.m. Tickets are \$50/\$40/\$30/\$20 general; \$8 students in the \$30 & \$20 sections; \$4 off/senior citizens/WGBH/MTA members/Outings & Innings; student RUSH/\$5 cash only, available one hour prior to concert. Harvard Box Office (617) 496-2222.

Sun., Nov. 23—**“The Crimson Priest: Music of Antonio Vivaldi.”** (Harvard Baroque Chamber Orchestra) The full gamut of Vivaldi’s mystery is on display with this celebration of his creativity and virtuosity. The Memorial Church, 8 p.m. Tickets are \$10 general; \$5 students/senior citizens. Harvard Box Office (617) 496-2222.

Sun., Nov. 30—**“Wunderkinds of Music.”** (Harvard Box Office) Guest conductor Beatrice Affron joins the Pro Arte Chamber Orchestra, including the 2008 Concerto Competition finalists and guest soloists. Concerti selected

by finalists. Sanders Theatre, 3 p.m. Tickets are: \$50/\$35/\$25/\$15 general; \$2 off top 3 priced tickets/students and senior citizens; half-price on top 2 prices/WGBH; 2 for 1 on top 2 prices only/Outings & Innings; student RUSH/\$5 cash only, available 1 hour prior to concert. Harvard Box Office (617) 496-2222.

Mon., Dec. 1—**“The Pusey Room Recital Series.”** (The Memorial Church) Violist Sarah Darling and pianist Jeffrey Grossman. Pusey Room, the Memorial Church, 7:30 p.m. Free and open to the public. [carson\\_cooman@harvard.edu](mailto:carson_cooman@harvard.edu).

Thu., Dec. 4—**“Summer Study in Fontainebleau Concert and Infosession.”** (Adams House) Infosession for architectural design and chamber music study in Fontainebleau, France. Alumni play music, show their work, and discuss summer study with potential applicants. LCR, Adams House, 29 Plympton St., 7 p.m. [dmfoxe@yahoo.com](mailto:dmfoxe@yahoo.com), [www.fontainebeauschools.org](http://www.fontainebeauschools.org).

Thu., Dec. 4—**“Houghton Chamber Library Music Series.”** (Houghton Library) The Chiara String Quartet plays selections by Mozart and Elliott Carter. Edison and Newman Room, Houghton Library, 8 p.m. Harvard Box Office (617) 496-2222. **NOTE: This event is sold out.**

Fri., Dec. 5—**“Weber, Yannatos, & Mahler.”** (Harvard-Radcliffe Orchestra) Weber’s “Overture to Oberon”; Yannatos’ “Lear Symphony No. 6”; Mahler’s “Das Lied von der Erde.” 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., Dec. 5—**“Missa Compilationem.”** (Harvard-Radcliffe Collegium Musicum) The Chamber Singers present this concert of sacred music from the Middle Ages through the late Renaissance. Featuring composers such as Josquin, Palestrina, Ockeghem, and Machaut, the program explores composers’ interpretations of the Catholic Mass over time. Conducted by student Michael Schachter, assisted by Rachel Carpentier. First Church Congregational, 11 Garden St., 8 p.m. Tickets are (advance) \$10 general; \$5 students; (at door) \$14 general; \$7 students. Harvard Box Office (617) 496-2222.

Fri., Dec. 5-Sat., Dec. 6—**“38th Annual Christmas Concert.”** (Harvard Box Office) The Kuumba Singers present an evening of soul, spirit, and song in honor of the holiday season. Featuring more than 100 singers using music and the arts to celebrate black creativity and spirituality; performances include poetry, prose, and a full concert of gospel, spiritual, and holiday music. The Memorial Church, 8 p.m. Tickets are free and valid until 7:45 p.m.; limit two per person. Harvard Box Office (617) 496-2222.

Sat., Dec. 6—**“Poulenc’s ‘Gloria’ & Peteris Vasks’ ‘Dona nobis pacem.’”** (Harvard-Radcliffe Chorus) Harvard-Radcliffe Chorus, conducted by Kevin Leong, performs radiant “Gloria” and the Boston-area premiere of the haunting “Dona nobis pacem.” The concert will feature soprano soloist Elizabeth Keusch. Sanders Theatre, 8 p.m. Tickets are \$18 general; \$9 students/senior citizens. Harvard Box Office (617) 496-2222.

## dance

Fri., Nov. 21-Sun., Nov. 23—**“Pointes of Departure.”** (Harvard Ballet Company) Harvard Ballet Company presents an evening of masterworks and premieres accompanied by Harvard’s finest musicians. Featuring Martha Graham’s “Appalachian Spring” and new ballets by Susan Shields and Claudia Schreier ’08, and others. New College Theatre,

12 Holyoke St., 8 p.m.; 3 p.m. on Sun, Nov. 23. Tickets are \$12 general; \$10 students. Harvard Box Office (617) 496-2222.

Sat., Dec. 6-Sun., Dec. 7—**“Dance Showcase 2.”** (OfA, Dance) A celebration of dance and culture featuring new work by Tai Jimenez and a showcase of seven student-run companies. Family-friendly performances. Harvard Dance Center, 60 Garden St., 6 p.m. on Sat., Dec. 6; 3 p.m. on Sun., Dec. 7. (617) 495-8683, [ststoll@fas.harvard.edu](mailto:ststoll@fas.harvard.edu).

## opera

**Harvard-Radcliffe Gilbert and Sullivan Players**

Thu., Dec. 4-Sun., Dec. 14—**“Iolanthe, or The Peer and The Peri”** features Strepheon, a shepherd who hides his half-fairy background, even from his beloved Phyllis. But every Peer in the House of Lords, including her own guardian, the Lord Chancellor, is also in love with her. His only hope is to enlist the fairies’ help to win her hand. Hilarity ensues!

—*Performances take place in Agassiz Theatre, 10 Garden St., 8 p.m., with 2 p.m. matinees on Sat., Dec. 6, Sun., Dec. 7, and Sun., Dec. 14. Special 6 p.m. show time on Sat., Dec. 13. Tickets are \$14 general; \$10 senior citizens; \$5 students. Harvard Box Office (617) 496-2222.*

## theater

**American Repertory Theatre**

Through Sat., Nov. 22—**“The Island of Anyplace”** has introduced thousands of children to live drama. Jennifer, the main character, has been dragged to the theater by her father. At first she’d rather be home watching TV or at a movie — but when she runs up on stage and begins to make up her own play, her father becomes a magician and helps her bring it to life on stage! —*Performances take place at Zero Arrow Theatre, corner of Arrow St. and Mass. Ave., various times, with a special family performance Sat., Nov. 22, at 3 p.m. Tickets are \$16 general. 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](http://www.amrep.org).*

Fri., Nov. 28-Sat., Jan. 3—**“Aurélia’s Oratorio”** is Victoria Thierrée Chaplin’s dazzling display of stage illusion, inspired by the magic of music hall and circus. Starring daughter Aurélia Thierrée, granddaughter of Charlie Chaplin. Also featuring Jaime Martinez (from Nov. 28-Dec. 28) and Julio Monge (from Dec. 13-Jan. 3). An ideal holiday treat suitable for the whole family, children included.

Thu., Dec. 4—**“Under 35 Night.”** Post-show mingling at Sandrine’s Bistro.

Fri., Dec. 5—**“OUT at A.R.T. Night.”** For the GLBT community. Post-show mingling at Sandrine’s Bistro.

—*Performances take place at Loeb Drama Center Main Stage, 64 Brattle St., various times. Some dates have pre-play discussions and matinees, see Web site for full schedule. Tickets are \$25-79 general; \$8 students/senior citizens. 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](http://www.amrep.org).*

Fri., Dec. 5-Sat., Dec. 13—**“Largo Desolato”** introduces Leopold Nettles, an acclaimed philosopher who’s written a book so explosive, everyone — including the government — takes notice. At once ridiculously funny and deeply unnerving, the absurdity of Václav Havel’s play reveals the dilemma of a political dissident and his struggle with paranoia, paralysis, and responsibility. Performed by the A.R.T./Moscow Art Theatre Institute’s Class of 2009, and directed by Jonathan Carr. —*Performances take place at Zero Arrow Theatre, corner of Arrow St. and*

*Mass. Ave., 7:30 p.m. Tickets are \$10 general; \$5 students/senior citizens; free to A.R.T subscribers. 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](http://www.amrep.org).*

**Harvard-Radcliffe Dramatic Club**

Through Sat., Nov. 22—**“Assassins”** is Stephen Sondheim’s Tony Award-winning musical that reconsiders the motives and legacies of some of America’s most bizarre and loathed figures. From John Wilkes Booth to John Hinckley Jr., “Assassins” portrays the men and women of attempted presidential assassinations not as one-dimensional villains, but as complex individuals, each grounding their horrific actions in a uniquely American idea. —*Performances take place at Loeb Drama Center Main Stage, 64 Brattle St., 8 p.m., with 7:30 show on Thu., Nov. 20. Tickets are \$12 general; \$8 students/senior citizens. Harvard Box Office (617) 496-2222.*

## 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 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 deadline for the Dec. 4 issue is TODAY (Nov. 20) by 5 p.m., due to the holiday. The Gazette will not publish between Dec. 18 and Feb. 5. The Dec. 11 Gazette will start to list events happening through Feb. 12; the deadline for that issue is Thursday, Dec. 4, by 5 p.m. There will be NO exceptions. Please call (617) 496-2651 with any questions.

## New College Theatre

Sat., Dec. 6-Sun., Dec. 14—**“A View From The Bridge”** is a tragedy in the classic form and a modern masterpiece. A moving story about a long-shoreman who, though his mind is limited and he cannot find words for his thoughts, is an admirable man. When two Italian cousins move in among his wife and family, the stage is set for tragedy.  
—*Performances take place at New College Theatre, 12 Holyoke St., various times. Tickets are \$12 general; \$8 students/senior citizens. Harvard Box Office (617) 496-2222.*

## film

Wed., Dec. 3—**“Movie Night at the Schlesinger Library.”** (Radcliffe Institute) Short educational films from the 1940s to the 1960s aimed at girls. Discussion with Melissa Dollman, Schlesinger Library, and Amy Sloper, Harvard Film Archive, to follow. Radcliffe College Room, Schlesinger Library, 10 Garden St., Radcliffe Yard, 6 p.m. Free and open to the public. (617) 495-8647, www.radcliffe.edu.

## 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.  
Tue., Dec. 2—Solberg's **“Carmen Miranda: Bananas Is My Business”** (1995) at 6 p.m.  
Thu., Dec. 4—Sheedy's **“El Inmigrante”** (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., Nov. 20—No screenings  
Fri., Nov. 21—Boorman's **“The General”** at 7 p.m. followed by The Magners Irish Film Festival's Excellence Award. Director in person.

Sat., Nov. 22—Boorman's **“Hell in the Pacific”** at 7 p.m. followed by **“Two Nudes Bathing.”** Director in person.

Sun., Nov. 23—Boorman's **“Hope and Glory”** at 3 p.m. **“Deliverance”** at 7 p.m. followed by **“Catch Us If You Can”** at 9:15 p.m.

Mon., Nov. 24—Boorman's **“Leo The Last”** at 7 p.m. followed by **“The Emerald Forest”** at 9 p.m.

Tue., Nov. 25—No screenings  
Wed., Nov. 26—No screenings  
Thu., Nov. 27—No screenings  
Fri., Nov. 28—No screenings  
Sat., Nov. 29—Welles' **“Chimes at Midnight”** at 7 p.m. followed by **“It's All True”** at 9:15 p.m.

Sun., Nov. 30—Welles' **“Othello”** at 3 p.m. Welles Rarities Program One: **“My Name is Orson Welles”** at 7 p.m. Presented in person by Stefan Drössler.

Mon., Dec. 1—Welles Rarities Program Two: **“Unfinished Works”** at 7 p.m. Presented in person by Stefan Drössler.

Tue., Dec. 2—Free VES screening:

**“Los Angeles Plays Itself”** (2003) at 7 p.m.

Wed., Dec. 3—Free VES screening: **“Playtime”** (1968) at 7 p.m.

Thu., Dec. 4—No screenings

Fri., Dec. 5—Dorsky's **“Sarabande,” “Alaya,”** and **“Winter”** at 7 p.m.

Director in person.

Sat., Dec. 6—Dorsky's **“The Strange M. Victor”** and **“La Marie Du Port”** at 7 p.m. Director in person.

Sun., Dec. 7—Dorsky's **“White Paws”** at 3 p.m. Oshima's **“Merry Christmas Mr. Lawrence”** and **“A Town of Love and Hope”** at 7 p.m.

Mon., Dec. 8—Oshima's **“Cruel Story of Youth”** at 7 p.m. followed by **“The Sun's Burial”** at 9 p.m.

Tue., Dec. 9—Free VES screening: **“Koolhaas Houselife”** (2007) at 7 p.m.

Wed., Dec. 10—Free VES screening: **“Wings of Desire”** (1987) at 7 p.m.

Thu., Dec. 11—No screenings

Fri., Dec. 12—Oshima's **“Night and Fog in Japan”** at 7 p.m. followed by **“The Catch”** at 9:15 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., Nov. 21—Balagueró's **“Fragiles”** (2005) at 7:30 p.m.

Fri., Dec. 5—Erice's **“El sur”** (1983) at 7:30 p.m.

Fri., Dec. 12—Ribas' **“Dalí”** (1991) 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 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.*

**“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.” (Through 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 col-

leagues. 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 Design

**“Afterlife: Alison and Peter Smithson's Economist Building at Fifty”** includes original drawings as well as materials selected by Peter Christensen that range from film to reviews and press clippings, illustrating the structure's significance in the British cultural imagination. (Through Jan. 11, 2009)  
—*Gund Hall Gallery, GSD, 48 Quincy St. Hours are Mon.-Fri., 9 a.m.-5 p.m.; Sat. 10 a.m.-5 p.m.; and Sun., noon-5 p.m. Free and open to the public. —Special Collections Department, Frances Loeb Library (lower level), Gund Hall, 48 Quincy St. Hours are Mon.-Fri., 1-4:45 p.m. Free and open to the public. (617) 496-1300.*

### Graduate School of Education

**“Arts in Education Students Exhibit Their Work.”** (Through Dec. 5)  
—*First floor reading area, Gutman Library, HGSE. (617) 495-4225, 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

(Continued on next page)

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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.

#### Holyoke Center

**“Paintings by George Oommen”** features paintings by this architect and painter, whose work is concerned with remembering his native Kerala, in southwest India. (Through Dec. 3)  
—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.

**“The Ninth Annual Group Art Exhibition by Holyoke Center Staff”** showcases the talent of Holyoke Center artists. Opening reception Fri., Dec. 5, 1:30 p.m. (Dec. 5-Jan. 7)  
—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.

#### Landscape Institute

**“Untitled: Images from 2005-2008”** features photographs by Ann Greaney-Williams. (Through Dec. 5)  
—Landscape Institute, 30 Chauncy St. (617) 495-8632, www.landscape.arboretum.harvard.edu.

#### 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. www.crosscurrents08-09.org. (Through 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. (Through Nov. 30)

**“Digging Veritas: The Archaeology and History of the Indian College and Student Life at Colonial Harvard”** showcases finds from Harvard Yard, historical documents, and more from Harvard’s early years. Free and open to the public. (Through Jan. 2010)

**“Encounters with the Americas”** explores native cultures of

## Nov. 20

Harvard’s John H. Shaw will speak on ‘Earthquakes! How We Can Better Understand and Prepare for Them’ today (Nov. 20) in the Geological Lecture Hall, Harvard Museum of Natural History, 26 Oxford St., at 6 p.m. Free and open to the public. Part of the ‘Earth Matters’ lecture series; next lecture on Dec. 11. See environmental sciences, page 23, or visit www.hmn.harvard.edu for more information.

ABOVE: Damage from the Northridge, Calif., earthquake

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 writ-

ten 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)

**“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)

**“Storied 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 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.

#### Schlesinger Library

**“From Exclusion to Empowerment: Chinese American Women in New England.”** Opening lecture Mon., Dec. 1, by Jennie Chin Hansen, AARP, Radcliffe Gymnasium, 4 p.m. Reception to follow in Schlesinger Library. (Through March 5)  
—Schlesinger Library, Radcliffe Yard, 10 Garden St. (617) 495-8647.

**“Until That Last Breath! Women with HIV/AIDS.”** (Through Dec. 24)  
—Byerly Hall, 8 Garden St., Radcliffe Yard. (617) 495-8212.

#### 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.

#### Three Columns Gallery

**“Roads To Tibet: An Exhibit of Photographs”** by Yige Wang, photographer and extensive Tibet traveler. Wang selected some of his best images, including wild animals from Ngari in the north, colorful prayer flags from the east, pious pilgrims to Lhasa, and great prayer halls from the south, offering a panoramic view of the unique landscape and customs of modern day Tibet. (Through Dec. 1)  
—Three Columns Gallery, Mather House, 10 Cowperwaite St. (781) 424-7018, skyphoto@yahoo.com.

#### 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 them-

selves 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., Nov. 20—“**How To Design a Carbon Neutral City?**” (GSD) Design team and client of Masdar City: Khaled Awad, Masdar; Gerard Evenden, Foster & Partners; Federico Parolotto, Systematica; Peter Sharett, WSP; and Matthias Schuler, Transsolar/GSD. Piper Auditorium, Gund Hall, GSD, 48 Quincy St., 1 p.m. Free and open to the public.

Thu., Nov. 20—“**Implementing Daylight.**” (GSD) Part of the Greenbuild 2008 conference featuring Christoph Reinhart, Cynthia Kwan, Diego Ibarra, Jennifer Sze, Holly Wasilowski, all of GSD. Piper Auditorium, GSD, 48 Quincy St., 3:30 p.m. Free and open to the public.

Thu., Nov. 20—“**Hitchcock’s Mountain: Technologies of Engagement in ‘North by Northwest.’**” (Carpenter Center) Film history and theory seminar with Murray Pomerance. Room B04, 24 Quincy St., 4 p.m. (617) 495-3251, [www.ves.fas.harvard.edu](http://www.ves.fas.harvard.edu).

Thu., Nov. 20—“**Discussion with Ana Maria Tavares.**” (DRCLAS) Tavares discusses her latest projects with fellow Brazilian Claudia Calirman, Harvard University. Room S153, CGIS, 1730 Cambridge St., 6 p.m. [artforum@fas.harvard.edu](http://artforum@fas.harvard.edu), [www.fas.harvard.edu/%7Eartforum/](http://www.fas.harvard.edu/%7Eartforum/).

Thu., Nov. 20—“**Le Corbusier: A Life.**” (Carpenter Center) Book launch for Nicholas Fox Weber’s biography of influential modernist architect Le Corbusier. Lecture hall, 24 Quincy St., 6 p.m. (617) 495-3251, [www.ves.fas.harvard.edu](http://www.ves.fas.harvard.edu).

Sun., Nov. 23—“**American Art at Harvard.**” (HAM) Gallery talk with Sandra Grindlay, Harvard University Portrait Collection. Sackler Museum, 485 Broadway, 1:30 p.m. Free and open to the public. (617) 495-9400, [www.harvardartmuseum.org](http://www.harvardartmuseum.org).

Tue., Nov. 25—“**Planning for Justice: Civil Rights, Black Power, and the Metropolis.**” (GSD) Thomas Sugrue, University of Pennsylvania. Piper Auditorium, Gund Hall, GSD, 6:30 p.m. Free and open to the public.

Mon., Dec. 1—“**Urbanization in China.**” (Urban Planning, GSD) Brown bag lunch with Gregory K. Ingram, Lincoln Institute of Land Policy. Room 121, Gund Hall, GSD, 48 Quincy St., 1 p.m.

Tue., Dec. 2—“**Parametric Performances.**” (GSD) Discussion in architecture with Preston Scott Cohen, Chris Hoxie, Robert Levit, Joe MacDonald, Ciro Najle, Neri Oxman, and Cameron Wu. Piper Auditorium, Gund Hall, GSD, 6:30 p.m. Free and open to the public.

Wed., Dec. 3—“**The Church of What’s Happening Now: New Art/New Artists.**” (Humanities Center) Featuring the work of Paul Chan. Fong Auditorium, Boylston Hall, 5 p.m.

Thu., Dec. 4—“**Summer Study in Fontainebleau Infossession and Concert.**” (Adams House) Infossession for architectural design and chamber music study in Fontainebleau, France. Alumni play music, show their work, and discuss summer study with potential applicants. LCR, Adams House, 29 Plympton St., 7 p.m. [dmfoxe@yahoo.com](mailto:dmfoxe@yahoo.com), [www.fontainebeauschools.org](http://www.fontainebeauschools.org).

Sat., Dec. 6—“**American Art at Harvard.**” (HAM) Gallery talk with Paul Katz, Harvard University. Sackler Museum, 485 Broadway, 11 a.m. Free and open to the public. (617) 495-9400, [www.harvardartmuseum.org](http://www.harvardartmuseum.org).

Wed., Dec. 10—“**Discussion with Catalina Parra.**” (DRCLAS) Parra presents her most relevant projects from more than four decades of work, in conversation with Luis Carcamo-Huechante, Harvard University. Room S153, CGIS, 1730 Cambridge St., 6 p.m. [artforum@fas.harvard.edu](mailto:artforum@fas.harvard.edu), [www.fas.harvard.edu/%7Eartforum/](http://www.fas.harvard.edu/%7Eartforum/).

### business/law

Thu., Nov. 20—“**Still Time for Mortgage Securitization? The U.S. and Spain Experience: A Legal Approach.**” (Real Colegio Complutense) Agustin Madrid, Universidad Pablo de Olavide. Conference room, 26 Trowbridge St., 7:30 p.m. Free and open to the public. [www.realcolegiocomplutense.harvard.edu](http://www.realcolegiocomplutense.harvard.edu).

Mon., Nov. 24—“**Rama S. Mehta Lecture.**” (Radcliffe Institute) Hauwa Ibrahim, fellow, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 4 p.m. (617) 495-8600, [www.radcliffe.edu](http://www.radcliffe.edu).

Tue., Dec. 2—“**Stoning in Islamic Law: Contextualizing Three Cases in the Early Medinan Period.**” (ILSP, HLS) Ismail Acar, Bard College. Pound Hall 332, HLS, 5 p.m. Reception to follow. (617) 496-3941.

Fri., Dec. 5—“**Polarized Parties, Centrist Justices.**” (CAPS) Mark Graber, University of Maryland. Room K354, CGIS Knafel, 1737 Cambridge St., 2 p.m. [caps@gov.harvard.edu](mailto:caps@gov.harvard.edu).

Thu., Dec. 11—“**New Leaders in Philanthropy Series.**” (Hauser Center) Gara La Marche, president and CEO, The Atlantic Philanthropies. Bell Hall, fifth floor, Belfer Building, HKS, 3 p.m.

### conferences

Fri., Nov. 21-Sun., Nov. 23—“**First International Workshop on Biographical Databases for China’s History.**” (Fairbank Center) Peter Bol, Harvard University, and many others. Fairbank Center, 1730 Cambridge St. Day 1: 9 a.m.; Day 2: 8:45 a.m.; Day 3: 9 a.m. Registration required at <http://isites.harvard.edu/icb/icb.do?keyword=k16229&tabgroupid=icb.tabgroup61621>.

Wed., Dec. 3—“**From Modeling to Engineering Biological Processes: European-American Innovation Day.**” (HMS) European and American scientists tackle contemporary issues in the field of computational modeling for life sciences application. Galit Lalav, HMS; François Fages and Hidde de Jong, INRIA, France; and many others. Free; registration required at [www.innovation-france-science.org/eaid/registration\\_form.htm](http://www.innovation-france-science.org/eaid/registration_form.htm). Space is limited. Rotunda, Conference Center, HMS, 77 Louis Pasteur Ave., 8 a.m. [www.france-science.org/eaid/](http://www.france-science.org/eaid/).

Fri., Dec. 5—“**The Science of the Human Past: An Invitation to a Symposium on the Scientific Study of the Human Past.**” (Office of the Provost, Broad Institute) Speakers include Michael Hammer, Pardis Sabeti, Noreen Tuross, and many others. Open to the public; registration required. Fee collected upon entrance, includes continental breakfast, coffee, lunch, and reception. \$25 general; \$10 students; cash or check only. NE30-1154, the Auditorium, Broad Institute, 7 Cambridge Ctr., 9 a.m. Breakfast served at 8 a.m.; reception at 5:30. Register at [www.broad.mit.edu/registration/](http://www.broad.mit.edu/registration/).

Sat., Dec. 6—“**Parenting Beyond Belief: Raising Caring, Ethical Kids Without Religion.**” (Humanist

Chaplaincy and others) Lecture by Dale McGowan, writer and expert on Humanist parenting, followed by interactive seminar for current and future parents. Fong Auditorium, Boylston Hall, Harvard Yard, 11 a.m. Lunch offered at noon; seminar at 1 p.m. [www.harvardhumanist.org](http://www.harvardhumanist.org).

Thu., Dec. 11—“**60th Anniversary of the Universal Declaration of Human Rights.**” (Humanities Center) Conference in commemoration of this hallmark declaration. More information TBA. Theater Room, Faculty Club, 2:30 p.m.

### environmental sciences

Thu., Nov. 20—“**How To Design a Carbon Neutral City?**” (GSD) Design team and client of Masdar City: Khaled Awad, Masdar; Gerard Evenden, Foster & Partners; Federico Parolotto, Systematica; Peter Sharett, WSP; and Matthias Schuler, Transsolar/GSD. Piper Auditorium, Gund Hall, GSD, 48 Quincy St., 1 p.m. Free and open to the public.

Thu., Nov. 20—“**Implementing Daylight.**” (GSD) Part of the Greenbuild 2008 conference featuring Christoph Reinhart, Cynthia Kwan, Diego Ibarra, Jennifer Sze, Holly Wasilowski, all of GSD. Piper Auditorium, GSD, 48 Quincy St., 3:30 p.m. Free and open to the public.

Thu., Nov. 20—“**Earthquakes! How We Can Better Understand and Prepare for Them.**” (HMNH) John H. Shaw, Harvard University. Geological Lecture Hall, HMNH, 26 Oxford St., 6 p.m. Free and open to the public. [www.hmnh.harvard.edu](http://www.hmnh.harvard.edu).

Tue., Nov. 25—“**Russian Energy: Curse or Blessing?**” (Davis Center) Marshall I. Goldman, Davis Center; David Lane, University of Cambridge; Peter Rutland, Davis Center. Room S354, third floor, 1730 Cambridge St., 12:30 p.m.

Wed., Dec. 3—“**The Future of Energy Lecture Series.**” (HUCE) Amory Lovins, Rocky Mountain Institute. Lecture Hall B, Science Center, 5 p.m. Free and open to the public. [www.environment.harvard.edu](http://www.environment.harvard.edu).

Wed., Dec. 3—“**Trickle Down: Diffusion of Chlorine for Drinking Water Treatment in Kenya?**” (HKS) Michael Kremer, Harvard University; Edward Miguel, Clair Null, University of California, Berkeley; Alix Zwane, Google.org. Room L382, 79 JFK St., 4:10 p.m. (617) 496-8054, <http://isites.harvard.edu/icb/icb.do?keyword=k40206>.

Thu., Dec. 11—“**Confronting the Energy-Climate Challenge.**” (HMNH) Daniel Schrag, Harvard University, with remarks by Kelly Gallagher, HKS. HMNH, 26 Oxford St., 6 p.m. Free and open to the public. (617) 495-2773, [www.hmnh.harvard.edu](http://www.hmnh.harvard.edu).

### ethics

Thu., Nov. 20—“**Human Weakness and the Limits of Responsibility.**” (Center for Ethics) Gideon Rosen, Princeton University. Starr Auditorium, HKS, 4:30 p.m. Free and open to the public. [ethics@harvard.edu](mailto:ethics@harvard.edu), [www.ethics.harvard.edu](http://www.ethics.harvard.edu).

Sat., Dec. 6—“**Parenting Beyond Belief: Raising Caring, Ethical Kids Without Religion.**” (Humanist Chaplaincy and others) Lecture by Dale McGowan, writer and expert on Humanist parenting, followed by interactive seminar for current and future parents. Fong Auditorium, Boylston Hall, Harvard Yard, 11 a.m. Lunch offered at noon; seminar at 1 p.m. [www.harvardhumanist.org](http://www.harvardhumanist.org).

### health sciences

Thu., Nov. 20—“**Proteomic Expression Analysis of Surgical Human Colorectal Cancer Tissues by Tandem Mass**

**Spectrometry.**” (HMS) Michael H. Roehrl, MGH. Room 10, Harvard Faculty Club, 20 Quincy St., 7:45 a.m. Breakfast will be served.

Mon., Nov. 24—“**The Challenge of Tuberculosis in the Korean Peninsula.**” (Asia Center, Korea Institute, HSPH) Jim Kim, Harvard University. Room 020, concourse level, Belfer Case Study Room, CGIS South, 1730 Cambridge St., 4 p.m. (617) 496-6273.

Wed., Dec. 3—“**Invocation for Global Health: Creating Opportunities and Empowering Students.**” (Harvard Initiative for Global Health) Keynote speaker George Whitesides, Harvard University. CGIS South, 1730 Cambridge St., 2 p.m. All Harvard faculty and students are invited. Space is limited; registration required. E-mail [eric\\_goodwin@harvard.edu](mailto:eric_goodwin@harvard.edu) to register. A full agenda is available at <http://events.globalhealth.harvard.edu>.

### Medical School

Fri., Nov. 21—“**The Twenty-Fourth Shipley Symposium.**” (Microbiology & Molecular Genetics) Philippa Marrack, Howard Hughes Medical Institute; Dennis L. Kasper, HMS; Philip Kitcher, Columbia University. Moderated by John Mekalanos. Armenise Amphitheater, HMS, 200 Longwood Ave., 1:20-5:15 p.m. [shannon@hms.harvard.edu](mailto:shannon@hms.harvard.edu).

Tue., Dec. 2—“**FtsZ Rings in Liposomes — Towards Reconstituting Cell Division in Vitro.**” (Microbiology & Molecular Genetics) Harold P. Erickson, Duke University. Room 341, Warren Alpert Building, HMS, 12:30 p.m. Coffee is served prior to the event at 12:15 outside the room. [shannon@hms.harvard.edu](mailto:shannon@hms.harvard.edu).

Tue., Dec. 9—“**Mutation as a Stress Response and the Regulation of Evolvability.**” (Microbiology & Molecular Genetics) Susan M. Rosenberg, Baylor College. Room 341, Warren Alpert Building, HMS, 12:30 p.m. Coffee is served prior to the event at 12:15 outside the room. [shannon@hms.harvard.edu](mailto:shannon@hms.harvard.edu).

### Harvard School of Public Health

Thu., Dec. 4—“**AIDS SUTRA: Untold Stories from India.**” (Office of the Dean, HSPH) Reading by Sonia Faleiro, with Negar Akhavi, Gates Foundation, and Jay Silverman, HSPH. Room G12, FXB Building, HSPH, 665 Huntington Ave., 4 p.m. Open to the Harvard community. (617) 432-4397, [aharmon@hsph.harvard.edu](mailto:aharmon@hsph.harvard.edu).

Thu., Dec. 11—“**Genes, Gene Networks, and Type 2 Diabetes.**” (Division of Biological Sciences, Distinguished Lecture Series) Alan Attie, University of Wisconsin, Madison. Room G12, FXB Building, HSPH, 665 Huntington Ave., 4 p.m. Reception prior to lecture at 3:30 p.m.

### humanities

Thu., Nov. 20—“**Poetry as History.**” (CMES) Mohammed Sharafuddin, Arab Open University, Kuwait. Room 102, 38 Kirkland St., 12:30 p.m. Free and open to the public. <http://cmes.hmdc.harvard.edu>.

Thu., Nov. 20—“**Human Weakness and the Limits of Responsibility.**” (Center for Ethics) Gideon Rosen, Princeton University. Starr Auditorium, HKS, 4:30 p.m. Free and open to the public. [ethics@harvard.edu](mailto:ethics@harvard.edu), [www.ethics.harvard.edu](http://www.ethics.harvard.edu).

Thu., Nov. 20—“**An Evening with Sakuntala.**” (HDS) Guy Leavitt, Harvard University. Kresge Room, Barker Center, 12 Quincy St., 7:30 p.m. Light refreshments served. (617) 495-4486, [dcotter@hds.harvard.edu](mailto:dcotter@hds.harvard.edu).

Thu., Nov. 20—“**William Belden Noble Lectures: The Work of Doing Nothing: Wandering as Practice and Play.**” (The Memorial Church) Lecture 3 of 3.

“Wandering Home: Reckoning and Return,” Stephen R. Prothero, Boston University. The Memorial Church, Harvard Yard, 8 p.m. Free and open to the public. (617) 495-5508, [www.memorialchurch.harvard.edu](http://www.memorialchurch.harvard.edu).

Fri., Nov. 21—“**‘Feeling After the Way’ Across Borders, Pioneering Indian Women Writing in English: Toru Dutt and Cornelia Sorabji.**” (South Asia Initiative, Humanities Center) Chandani Lokuge, Monash University. Room 133, Barker Center, 12 Quincy St., 4 p.m. Seating is limited. Open to the public.

Fri., Nov. 21—“**Origins of the Japanese and Korean Languages: Divergence and Contact.**” (Reischauer Institute, Korea Institute) J. Marshall Unger, Ohio State University, moderated by Wesley Jacobsen, Harvard University. Porté Room S250, CGIS South, 1730 Cambridge St., 4 p.m. [www.fas.harvard.edu/~rijs/](http://www.fas.harvard.edu/~rijs/).

Fri., Nov. 21—“**Revising Japan’s Constitution: History, Headlines, and Prospects.**” (Reischauer Institute) Symposium featuring panelists Timothy George, University of Rhode Island; Helen Hardacre, Harvard University, and others. Moderated by Susan J. Pharr, Harvard University. Tsai Auditorium S010, Japan Friends of Harvard Concourse, CGIS South, 1730 Cambridge St., 5:30 p.m. [www.fas.harvard.edu/~rijs/crrp/index.html](http://www.fas.harvard.edu/~rijs/crrp/index.html).

Sun., Nov. 23—“**Pseudo-Archaeology: Supermarket Aisle Archaeology and the Bible.**” (Peabody Museum, Semitic Museum, and others) 3-presentation series: “A Tale of Two Tombs: Looking for Jesus and Herod’s Burial Site” by Jonathan L. Reed, University of La Verne; “There Were Giants in the Earth in Those Days (Gen 6:4): The Sad Tale of the Cardiff Giant” by Ken Feder, Central Connecticut State University; “Raiders of the Faux Ark: From Noah’s Ark to the Ark of the Covenant and Beyond” by Eric Cline, George Washington University. Introduced by Peter Feinman, Institute of History, Archaeology, and Education, NY. Geological Lecture Hall, 24 Oxford St., 9 a.m. Open house follows at the Semitic Museum, 6 Divinity Ave. [www.peabody.harvard.edu](http://www.peabody.harvard.edu).

Mon., Nov. 24—“**Daoist Images of the Gods: The Role of the Scripture of the Jade Pivot, Yushu jing.**” (Fairbank Center) Poul Andersen, University of Hawaii, Manoa. Room 153, CGIS South, 1730 Cambridge St., 12:15 p.m.

Mon., Nov. 24—“**The Legal Ideology of Early State Capitalism in Colombia, 1900-1930.**” (Political Economy Workshop, Warren Center) Diego Lopez-Medina, University of the Andes. History Library, first floor, Robinson Hall, 4 p.m. Pre-circulated paper at [www.fas.harvard.edu/~polecon/](http://www.fas.harvard.edu/~polecon/).

Mon., Nov. 24—“**Software for Analyzing the Complete Tan Poems, Complete Song Poems and Other Texts (in Chinese).**” (Fairbank Center, East Asian Languages and Civilizations, Humanities Center) Li Duo, Peking University. Common Room, 2 Divinity Ave., 4 p.m. [vlung@fas.harvard.edu](mailto:vlung@fas.harvard.edu), [www.fas.harvard.edu/~fairbank](http://www.fas.harvard.edu/~fairbank).

Mon., Nov. 24—“**Tibetan Life Writing as Technology of Enchantment.**” (HDS, Sanskrit and Indian Studies) Andrew Quintman, Princeton University. Room 133, Barker Center, 12 Quincy St., 4:15 p.m. [schapiro@fas.harvard.edu](mailto:schapiro@fas.harvard.edu), [www.fas.harvard.edu/~csrel/bsf/](http://www.fas.harvard.edu/~csrel/bsf/).

Mon., Nov. 24—“**Reception for the Society of Biblical Literature.**” (HDS) Annual reception for the Society of Biblical Literature 2008 Conference participants. Braun Room, Andover Hall, HDS, 4:30 p.m. (617) 384-8394, [jmccullom@hds.harvard.edu](mailto:jmccullom@hds.harvard.edu).

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Mon., Nov. 24—**“Tours of Hell in Greece, Rome, and Early Christianity.”** (Classics, Humanities Center) Jan N. Bremmer, University of Groningen. Room 133, Barker Center, 12 Quincy St., 6 p.m.

Mon., Dec. 1-Fri., Dec. 5—**“New Times, New Demands, and What of Faith?”** (The Memorial Church) Richard Parker, HKS, presents special morning prayer services. Appleton Chapel, the Memorial Church, 8:45 a.m.

Mon., Dec. 1—**“Moral Worlds and Religious Subjectivities: Perspectives From African Studies.”** (HDS, CSWR) Hans Lucht, University of Copenhagen. Response offered by Simeon Ilesanmi, Wake Forest University. CSWR Common Room, 42 Francis Ave., 11:30 a.m. Reservations required at (617) 495-4476 or www.hds.harvard.edu/cswr.

Mon., Dec. 1—**“Exporting American Dreams: Thurgood Marshall’s African Journey.”** (Warren Center) Mary Dudziak, University of Southern California. History Library, first floor, Robinson Hall, 4 p.m.

Mon., Dec. 1—**“The Practical and Political Employment of Prisoners of War in mid-Eighteenth Dynasty Egypt.”** (FAS) Ellen F. Morris, Columbia University. Thompson Room, Barker Center, 12 Quincy St., 4:15 p.m.

Mon., Dec. 1—**“Lost in Translation: Heliodorus Back to Syria.”** (Classics, Humanities Center) Aldo Corcella, Università degli studi della Basilicata. Room 133, Barker Center, 12 Quincy St., 6 p.m.

Tue., Dec. 2—**“The Health of Poetry.”** (Radcliffe Institute) Welsh National Poet Gwyneth Lewis, fellow, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 4 p.m. Free and open to the public. (617) 495-8600, www.radcliffe.edu.

Tue., Dec. 2—**“Will Al-Qaida Self-Destruct?”** (HDS, CMES) Nelly Lahoud, Belfer Center. Cabot Room, CES, 27 Kirkland St., 5 p.m. islamitw@fas.harvard.edu, <http://cmes.hmdc.harvard.edu/seminars/sle/islam>.

Wed., Dec. 3—**“Black Without Borders: Black Migrants in Human Rights Perspective.”** (Du Bois Institute) Hope Lewis, Northeastern University. Thompson Room, Barker Center, 12 Quincy St., noon.

Wed., Dec. 3—**“The Church of What’s Happening Now: New Art/New Artists.”** (Humanities Center) Featuring the work of Paul Chan. Fong Auditorium, Boylston Hall, 5 p.m.

Wed., Dec. 3—**“Changes of Tomb Structure in Han China.”** (Asia Center, GSAS, Anthropology, East Asian Languages and Civilizations) Yang Zhefeng, Peking University. Peabody Museum 14A, 11 Divinity Ave., 5 p.m. miller9@fas.harvard.edu.

Wed., Dec. 3—**“Passing in a Pre-racial Era: Mischievous Lovers, Hidden Moors, and Cross-Dressers in Colonial Bogotá.”** (DRCLAS) Joanne Rappaport, fellow, Radcliffe Institute. Room S-250, second floor, CGIS South, DRCLAS, 1730 Cambridge St., 6 p.m. karl@fas.harvard.edu, www.drclas.harvard.edu/events.

Wed., Dec. 3—**“Trodding to Zion: Constructs of Identity and ‘Home’ in Rastafari.”** (HDS, CSWR) David Amponsah, Harvard University. CSWR Common Room, 42 Francis Ave., 7 p.m. (617) 495-4476, www.hds.harvard.edu/cswr/index.html.

Wed., Dec. 3—**“Loot: Stolen Treasures of the Ancient World.”** (Cambridge Forum) Sharon Waxman, foreign correspondent. First Parish, 3 Church St., 7:30 p.m. Free and open to the public.

Thu., Dec. 4—**“The Advent of Ancient Egyptian Literature.”** (FAS) James P. Allen, Brown University. Room 110, Boylston Hall, Fong Auditorium, 4:15 p.m.

Mon., Dec. 8—**“A Talk by Robert Brenner.”** (Political Economy Workshop, Warren Center) Robert Brenner, UCLA. History Library, first floor, Robinson Hall, 4 p.m. Pre-circulated paper at www.fas.harvard.edu/~polecon.

Mon., Dec. 8—**“Excavations at South Abydos: Archaeological Perspectives on Egyptian Society during the Late Middle Kingdom.”** (FAS) Josef Wegner, University of Pennsylvania. Room 102, Harvard Hall, 4:15 p.m.

Mon., Dec. 8—**“The Downfall of the Barmakids in Popular Imagination.”** (NELC) Remke Kruk, University of Leiden, Holland. Room 201, Semitic Museum, 6 Divinity Ave., 5 p.m. www.fas.harvard.edu/~nelc.

Mon., Dec. 8—**“Philosophy and the Black World.”** (African & African American Studies, Committee on African Studies, Humanities Center, Du Bois Institute) Lewis Gordon, Temple University, in conversation with Paulin Hountondji, National University of Benin. Moderated by Biodun Jeyifo, Harvard University. Thompson Room, Barker Center, 12 Quincy St., 5 p.m. (617) 495-0738, www.fas.harvard.edu/~humcentr.

Mon., Dec. 8—**“‘Even on their Knees’: Climbing the Holy Mountain of Croagh Patrick and the Pilgrimage Tradition in Irish Christianity.”** (HDS, CSWR) Michael Gibbons, archaeologist in Ireland. Sperry Room, Andover Hall, HDS, 5:15 p.m.

Mon., Dec. 8—**The 2008 Carl Newell Jackson Classical Lectures. “Isaac Casaubon: A Renaissance Hellenist Meets the Jews.”** (Classics) Lecture 1 of 4: “Rabbi Isaac Casaubon: A Hellenist Meets the Jews.” Anthony Grafton, Princeton University, and Joanna Weinberg, University of Oxford. Fong Auditorium, Boylston Hall, 5:15 p.m.

Tue., Dec. 9—**The 2008 Carl Newell Jackson Classical Lectures. “Isaac Casaubon: A Renaissance Hellenist Meets the Jews.”** (Classics) Lecture 2 of 4: “How Casaubon Read Jewish Texts.” Anthony Grafton, Princeton University, and Joanna Weinberg, University of Oxford. Fong Auditorium, Boylston Hall, 5:45 p.m.

Tue., Dec. 9—**“Milton’s Noble Task.”** (History & Literature, English) Quentin Skinner, University of London. Lecture in celebration of Milton’s 400th birthday. Emerson Hall 105, Harvard Yard, 6 p.m.

Tue., Dec. 9—**“Philosophy and Social Science in Africa.”** (Committee on African Studies) Paulin Hountondji, National University of Benin. Room S250, CGIS South, 1730 Cambridge St., 6 p.m. (617) 495-5265, cafrica@fas.harvard.edu.

Wed., Dec. 10—**“Looking at Alain Locke Biographically: Race, Value, & Culture.”** (Du Bois Institute) Charles Molesworth, Queens College, CUNY. Thompson Room, Barker Center, 12 Quincy St., noon.

Wed., Dec. 10—**“In Praise of Mediocrity: The Defense of Imperfection in Late Medieval England.”** (Radcliffe Institute) Nicholas Watson, fellow, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 3:30 p.m. Free and open to the public. (617) 495-8212, www.radcliffe.edu.

Wed., Dec. 10—**“Archaeology Event.”** (Asia Center, GSAS, Anthropology, East Asian Languages and Civilizations)

Xiaoli Ouyang, Harvard University. Peabody Museum 14A, 11 Divinity Ave., 5 p.m. miller9@fas.harvard.edu.

Wed., Dec. 10—**The 2008 Carl Newell Jackson Classical Lectures. “Isaac Casaubon: A Renaissance Hellenist Meets the Jews.”** (Classics) Lecture 3 of 4: “Casaubon and Baronio: Early Christianity in a Jewish Setting.” Anthony Grafton, Princeton University, and Joanna Weinberg, University of Oxford. Fong Auditorium, Boylston Hall, 5:15 p.m.

Thu., Dec. 11—**“Art and Politics in Brazil from the 1940s to the 1970s.”** (Brazil Studies, DRCLAS) Jose Luis Falconi moderates a conversation with Claudia Calirman, scholar, DRCLAS; and Marcio Siwi, fellow, DRCLAS. Room S-050, CGIS, 1730 Cambridge St., 12:15 p.m.

Thu., Dec. 11—**The 2008 Carl Newell Jackson Classical Lectures. “Isaac Casaubon: A Renaissance Hellenist Meets the Jews.”** (Classics) Lecture 4 of 4: “The Teller and the Tale: What Casaubon Learned from Jews.” Anthony Grafton, Princeton University, and Joanna Weinberg, University of Oxford. Fong Auditorium, Boylston Hall, 5:15 p.m. Reception to follow.

## information technology

Fri., Nov. 21—**“Highlights of the 2008 PITF Summer Projects.”** (Bok Center, ICG) Clémence Jüet-Pastré, Romance Languages and Literatures; Andrew Nevins, Linguistics; Natalie Arkus, Engineering and Applied Sciences. Room 300H, Science Center, noon. Free lunch provided. <http://bokcenter.fas.harvard.edu>.

Mon., Nov. 24—**“Software for Analyzing the Complete Tan Poems, Complete Song Poems and Other Texts (in Chinese).”** (Fairbank Center, East Asian Languages and Civilizations, Humanities Center) Li Duo, Peking University. Common Room, 2 Divinity Ave., 4 p.m. vleung@fas.harvard.edu, www.fas.harvard.edu/~fairbank.

## poetry/prose

Tue., Dec. 2—**“The Health of Poetry.”** (Radcliffe Institute) Welsh National Poet Gwyneth Lewis, fellow, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 4 p.m. Free and open to the public. (617) 495-8600, www.radcliffe.edu.

## science

Thu., Nov. 20—**“Insights into the Mechanism of Retroviral Genome Packaging and Virus Assembly.”** (Molecular and Cellular Biology) Michael Summers, University of Maryland, Baltimore County. Lecture Hall 102, Sherman Fairchild Building, noon. No fee; refreshments served.

Thu., Nov. 20—**“Earthquakes! How We Can Better Understand and Prepare for Them.”** (HMNH) John H. Shaw, Harvard University. Geological Lecture Hall, HMNH, 26 Oxford St., 6 p.m. Free and open to the public. www.hmn.harvard.edu.

Thu., Nov. 20—**“The Truth About Black Holes.”** (CfA) Dan Evans, Harvard University, MIT. Phillips Auditorium, CfA, 60 Garden St., 7:30 p.m. Observation through telescopes follows, weather permitting. (617) 495-7461, www.cfa.harvard.edu.

Wed., Dec. 3—**“Stability and Instability in Repairing Broken Chromosomes.”** (Radcliffe Institute) James Haber, fellow, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 3:30 p.m. Free and open to the public. (617) 495-8212, www.radcliffe.edu.

Tue., Dec. 9—**“Cooking & Science with Ferran Adrià: A Conversation on Creativity.”** (Materials Research Science and Engineering Center,

Nanoscale Science and Engineering Center, SEAS, Physics) Ferran Adrià, chef, El Bulli. Room 250, Jefferson Hall, 6:30 p.m. Free and open to the public. Seating is limited and on a first-come first-served basis. www.seas.harvard.edu/cooking.

Thu., Dec. 11—**“Confronting the Energy-Climate Challenge.”** (HMNH) Daniel Schrag, Harvard University, with remarks by Kelly Gallagher, HKS. HMNH, 26 Oxford St., 6 p.m. Free and open to the public. (617) 495-2773, www.hmn.harvard.edu.

Sat., Dec. 13—**“From Bean to Bar: The Sweet Science of Chocolate.”** (Materials Research Science and Engineering Center, Nanoscale Science and Engineering Center, SEAS, Physics) Family-friendly holiday lecture with Howard Stone, SEAS, and Amy Rowat, Harvard University. Live experiments and demonstrations; appropriate for ages 7 and up. Lecture Hall B, Science Center, 10 a.m. and 1 p.m. Tickets required. Registration opens Tue., Nov. 25. E-mail sciencetix@seas.harvard.edu, www.seas.harvard.edu/cooking.

## social sciences

Thu., Nov. 20—**“Nuclear Forensics and Its Role in Security Policy.”** (Belfer Center’s International Security Program) Brown bag seminar with Tom Bielefeld, fellow, Project on Managing the Atom. Littauer 369, Belfer Center Library, HKS, 12:15 p.m. Coffee and tea provided. <http://belfercenter.ksg.harvard.edu/events/3770/>.

Thu., Nov. 20—**“Russia, China, and the Axis of Convenience.”** (Fairbank Center, Davis Center) Bobo Lo, Center for European Reform, London. Room 153, CGIS South, 1730 Cambridge St., 12:15 p.m. www.fas.harvard.edu/~fairbank.

Thu., Nov. 20—**“The Challenge of Higher Education: A View from the Czech Republic.”** (CES) Luncheon talk and discussion with Jan Sokol, Charles University, Prague. A bagged lunch will be provided for the first 25 attendees. Guido Goldman Room, Busch Hall, CES, 27 Kirkland St., 12:30 p.m. pcraig@fas.harvard.edu.

Thu., Nov. 20—**“Prospects for U.S.-Iranian Relations After George W. Bush.”** (WCFA, CMES) Hillary Mann Leverett, chairman, STRATEGA. Room K262, Bowie-Vernon Room, Knafel Building, CGIS, 1737 Cambridge St., 4 p.m.

Thu., Nov. 20—**“Transformative Engagement with the DPRK: What’s at Stake and Challenges Ahead.”** (Korea Institute) Brad Babson, U.S.-Korea Institute; Sung-Yoon Lee, Harvard University. Thomas Chan-Soo Kang Room S050, CGIS South, 1730 Cambridge St., 4 p.m.

Thu., Nov. 20—**“The Ultimate Test: European Soft Power and the Future of Liberal Democracy in the Balkans and Turkey.”** (Kokkalis Program) Gerald Knaus, chairman, European Stability Initiative. Fainsod Room, Littauer 324, HKS, 79 JFK St., 4 p.m. Free and open to the public. www.hks.harvard.edu/kokkalis/.

Thu., Nov. 20—**“Comparing Stalinism and Nazism.”** (Davis Center) Andrea Graziosi, University of Naples. Room S354, third floor, 1730 Cambridge St., 4:15 p.m.

Thu., Nov. 20—**“Beyond NCLB: Proposals to Broaden Accountability and Narrow the Achievement Gap.”** (HGSE) Richard Rothstein, Economic Policy Institute; Susan Neuman, former staff member, President George W. Bush. Eliot Lyman Room, Longfellow Hall, Appian Way, 5 p.m. Free and open to the public. (617) 384-7447.

Fri., Nov. 21—**“Recovering African American Traditions of Civic**

**Education.”** (HGSE) Meira Levinson, Harvard University. Second floor, Eliot-Lyman Room, Longfellow Hall, HGSE, 1:30 p.m.

Fri., Nov. 21—**“Who Gets Access to Health Care in Europe?”** (CES) Claus Wendt, Mannheim University. Cabot Room, Busch Hall, CES, 27 Kirkland St., 2:15 p.m. rtaylor@tufts.edu.

Fri., Nov. 21—**“Gambling and Rationality: Lottery Play From a Sociological Perspective.”** (CES) Roberto Garvia, Georgetown University. Cabot Room, Busch Hall, CES, 27 Kirkland St., 4:15 p.m. sroyo@suffolk.edu.

Fri., Nov. 21—**“Gibbon and the Invention of Gibbon: Chapters 15 and 16 of the ‘Decline and Fall of the Roman Empire’ Revisited.”** (CES) J.G.A. Pocock, Johns Hopkins University. Lower level, conference room, Busch Hall, 27 Kirkland St., 4:15 p.m. armitage@fas.harvard.edu.

Fri., Nov. 21—**“Revising Japan’s Constitution: History, Headlines, and Prospects.”** (Reischauer Institute) Symposium featuring panelists Timothy George, University of Rhode Island; Helen Hardacre, Harvard University, and others. Moderated by Susan J. Pharr, Harvard University. Tsai Auditorium S010, Japan Friends of Harvard Concourse, CGIS South, 1730 Cambridge St., 5:30 p.m. www.fas.harvard.edu/~rijs/crrp/index.html.

Sun., Nov. 23—**“Pseudo-Archaeology: Supermarket Aisle Archaeology and the Bible.”** (Peabody Museum, Semitic Museum, and others) 3-presentation series: “A Tale of Two Tombs: Looking for Jesus and Herod’s Burial Site” by Jonathan L. Reed, University of La Verne; “There Were Giants in the Earth in Those Days (Gen 6:4): The Sad Tale of the Cardiff Giant” by Ken Feder, Central Connecticut State University; “Raiders of the Faux Ark: From Noah’s Ark to the Ark of the Covenant and Beyond” by Eric Cline, George Washington University. Introduced by Peter Feinman, Institute of History, Archaeology, and Education, NY. Geological Lecture Hall, 24 Oxford St., 9 a.m. Open house to follow at the Semitic Museum, 6 Divinity Ave. www.peabody.harvard.edu.

Mon., Nov. 24—**“Gorbachev, the West European Communist Parties, and the End of the Cold War.”** (Davis Center) Silvio Pons, University of Rome. Room S450, fourth floor, 1730 Cambridge St., 12:15 p.m.

Mon., Nov. 24—**“The Impact of Violence on Civilians’ Political Preferences: Evidence from the Israeli-Palestinian Conflict.”** (Belfer Center’s International Security Program) Brown bag seminar with Esteban F. Klor, visiting scholar, National Bureau for Economic Research. Belfer Center Library, Littauer 369, HKS, 12:15 p.m. Coffee and tea provided. <http://belfer-center.ksg.harvard.edu/events/3767/>.

Mon., Nov. 24—**“An Insider’s View of China’s Reality.”** (Fairbank Center, East Asian Legal Studies) Huang Mengfu, chairman, China Foundation for Human Rights Development. Room S010, Tsai Auditorium, CGIS South, 1730 Cambridge St., 4 p.m. Talk is in Chinese with English interpretation. Q&A to follow. Public invited to tea reception after the talk. www.fas.harvard.edu/~fairbank.

Mon., Nov. 24—**“The Challenge of Tuberculosis in the Korean Peninsula.”** (Asia Center, Korea Institute, HSPH) Jim Kim, Harvard University. Room O20, concourse level, Belfer Case Study Room, CGIS South, 1730 Cambridge St., 4 p.m. (617) 496-6273.

Mon., Nov. 24—**“The Legal Ideology of Early State Capitalism in Colombia, 1900-1930.”** (Political Economy

**Nov. 21**

The Harvard Film Archive (HFA) welcomes John Boorman for the new program 'John Boorman's Primeval Screen' Nov. 21-24. Boorman will be present for screenings on Nov. 21 and 22. He will discuss his work and accept the Magners Irish Film Festival Excellence Award.

RIGHT: 'The General' screens Friday, Nov. 21, at 7 p.m., followed by the award presentation. Special event tickets are \$10. See film, page 21.



Workshop, Warren Center) Diego Lopez-Medina, University of the Andes. History Library, first floor, Robinson Hall, 4 p.m. Pre-circulated paper at [www.fas.harvard.edu/~polecon/](http://www.fas.harvard.edu/~polecon/).

Mon., Nov. 24—"The Shifting Sands of the Palestinian-Israeli Conflict: An Australian Perspective." (CMES, HKS) Presented by Antony Loewenstein. Fainsod Room, Littauer 324, HKS, 79 JFK St., 4 p.m. <http://cmes.hmdc.harvard.edu>.

Mon., Nov. 24—"Constructions of the Self in Modern Russia: Patterns of Meaning in Gender Relations and Identity, 1998-2002." (Davis Center) Martina Ritter, dean, Hochschule Fulda. Room S153, first floor, 1730 Cambridge St., 4:30 p.m.

Mon., Nov. 24—"European Identity and Enlargement After Lisbon." (Kokkalis Program, WCFA, CMES) Dimitris Keridis, University of Macedonia, Thessaloniki. Room S354, CGIS, 1730 Cambridge St., 4:30 p.m. Free and open to the public. [www.hks.harvard.edu/kokkalis/](http://www.hks.harvard.edu/kokkalis/).

Mon., Nov. 24—"High-Stakes Testing and Teacher Behavior: Evidence of Score Inflation in an Urban School District." (HGSE) Ellen Viruleg, HGSE, moderated by Daniel Koretz, HGSE. Eliot Lyman Room, second floor, Longfellow Hall, HGSE, 4:30 p.m. A Q&A reception to follow. (617) 496-8017.

Tue., Nov. 25—"Russian Energy: Curse or Blessing?" (Davis Center) Marshall I. Goldman, Davis Center; David Lane, University of Cambridge; Peter Rutland, Davis Center. Room S354, third floor, 1730 Cambridge St., 12:30 p.m.

Mon., Dec. 1—"Moral Worlds and Religious Subjectivities: Perspectives From African Studies." (HDS, CSWR) Hans Lucht, University of Copenhagen. Response offered by Simeon Ilesanmi, Wake Forest University. CSWR Common Room, 42 Francis Ave., 11:30 a.m. Reservations required at (617) 495-4476 or [www.hds.harvard.edu/cswr](http://www.hds.harvard.edu/cswr).

Mon., Dec. 1—"Urbanization in China." (Urban Planning, GSD) Brown bag lunch with Gregory K. Ingram, Lincoln Institute of Land Policy. Room 121, Gund Hall, GSD, 48 Quincy St., 1 p.m.

Mon., Dec. 1—"Canada Program Seminar." (Canada Seminar, WCFA) "Native Sovereignty and Identity," Roger Nichols, University of Arizona;

"Contemporary Indigenous Issues in Quebec: Collective Memory and the Colonial Legacy," Denys Delage, Laval University; and "Truth and Consequences: Aboriginal Reconciliation in Canada?" Bruce Granville Miller, University of British Columbia. Bowie Vernon Room K262, CGIS Knafel Building, 1737 Cambridge St., 4 p.m. Free and open to the public. (617) 495-3671, [canada@wcfia.harvard.edu](mailto:canada@wcfia.harvard.edu), [www.wcfia.harvard.edu/programs/canada](http://www.wcfia.harvard.edu/programs/canada).

Mon., Dec. 1—"From Exclusion to Empowerment: Chinese American Women in New England." (Radcliffe Institute) Jennie Chin Hansen, AARP Radcliffe Gymnasium, 4 p.m. Reception to follow in Schlesinger Library. [www.radcliffe.edu](http://www.radcliffe.edu).

Mon., Dec. 1—"Exporting American Dreams: Thurgood Marshall's African Journey." (Warren Center) Mary Dudziak, University of Southern California. History Library, first floor, Robinson Hall, 4 p.m.

Mon., Dec. 1—"The Practical and Political Employment of Prisoners of War in Mid-Eighteenth Dynasty Egypt." (FAS) Ellen F. Morris, Columbia University. Thompson Room, Barker Center, 12 Quincy St., 4:15 p.m.

Tue., Dec. 2—"Insurgency to Implementation: Mexico's Popular Health Insurance Program, 2001-2006." (DRCLAS, WCFA) Jason Lakin, HSPH. 1730 Cambridge St., noon. [sntesor@fas.harvard.edu](mailto:sntesor@fas.harvard.edu).

Tue., Dec. 2—"Will Al-Qaida Self-Destruct?" (HDS, CMES) Nelly Lahoud, Belfer Center. Cabot Room, CES, 27 Kirkland St., 5 p.m. [islamitw@fas.harvard.edu](mailto:islamitw@fas.harvard.edu), <http://cmes.hmdc.harvard.edu/seminars/sle/islam>.

Tue., Dec. 2—"Early Childhood Assessment: To Test or Not to Test?" (Askwith Forum, HGSE) Catherine Snow, Kathleen McCartney, Jack P. Shonkoff, HGSE. Moderated by Rosemary Chalk, The National Academies. Askwith Lecture Hall, Longfellow Hall, HGSE, 13 Appian Way, 5:30 p.m. [nassermo@gse.harvard.edu](mailto:nassermo@gse.harvard.edu), [www.gse.harvard.edu](http://www.gse.harvard.edu).

Wed., Dec. 3—"A Ghost in the Archives: Repression, Rehabilitation, and the Secret Life of Documents in Mongolia." (Committee on Inner Asian and Altaic Studies) Christopher Kaplonski, Cambridge University. Room S050, CGIS South, 1730 Cambridge

St., 1 p.m. Free and open to the public. You may bring your own lunch; snacks provided. [iaas@fas.harvard.edu](mailto:iaas@fas.harvard.edu).

Wed., Dec. 3—"Changes of Tomb Structure in Han China." (Asia Center, GSAS, Anthropology, East Asian Languages and Civilizations) Yang Zhefeng, Peking University. Peabody Museum 14A, 11 Divinity Ave., 5 p.m. [miller9@fas.harvard.edu](mailto:miller9@fas.harvard.edu).

Wed., Dec. 3—"The Ancient Maya in Modern Honduras: Archaeology, Anthropology, and History as Nationalist Imagination." (Peabody Museum) Lecture by Dario A. Euraque. Geological Lecture Hall, 24 Oxford St., 5:30 p.m. Reception to follow in Peabody Museum, 11 Divinity Ave. (617) 496-1027, [www.peabody.harvard.edu](http://www.peabody.harvard.edu).

Wed., Dec. 3—"Passing in a Pre-racial Era: Mischief Lovers, Hidden Moors, and Cross-Dressers in Colonial Bogotá." (DRCLAS) Joanne Rappaport, fellow, Radcliffe University. Room S-250, second floor, CGIS South, DRCLAS, 1730 Cambridge St., 6 p.m. [karl@fas.harvard.edu](mailto:karl@fas.harvard.edu), [www.drclas.harvard.edu/events](http://www.drclas.harvard.edu/events).

Wed., Dec. 3—"Trodding to Zion: Constructs of Identity and 'Home' in Rastafari." (HDS, CSWR) David Amponsah, Harvard University. CSWR Common Room, 42 Francis Ave., 7 p.m. (617) 495-4476, [www.hds.harvard.edu/cswr/index.html](http://www.hds.harvard.edu/cswr/index.html).

Wed., Dec. 3—"Loot: Stolen Treasures of the Ancient World." (Cambridge Forum) Sharon Waxman, foreign correspondent. First Parish, 3 Church St., 7:30 p.m. Free and open to the public.

Thu., Dec. 4—"Rebel Recruitment, Taxation, and Violence in Civil War." (Belfer Center's International Security Program) Brown bag seminar with Philip Verwimp, University of Antwerp and Université Libre de Bruxelles. Littauer 369, Belfer Center Library, HKS, 12:15 p.m. Coffee and tea provided. <http://belfercenter.ksg.harvard.edu/events/3751/>.

Thu., Dec. 4—"The Arab-Israeli Conflict: Critical Choices for the Next Administration." (WCFA, CMES) Shai Feldman, Brandeis University. Bowie-Vernon Room K-262, CGIS Knafel, WCFA, 1737 Cambridge St., 4 p.m.

Thu., Dec. 4—"North Korea: Market Opportunity, Poverty, and the Provinces." (Korea Institute) Hazel

Smith, University of Warwick, U.K. Chaired by Robert Ross, Harvard University. Porté Room S250, CGIS South, 1730 Cambridge St., 4 p.m.

Fri., Dec. 5—"Polarized Parties, Centrist Justices." (CAPS) Mark Graber, University of Maryland. Room K354, CGIS Knafel, 1737 Cambridge St., 2 p.m. [caps@gov.harvard.edu](mailto:caps@gov.harvard.edu).

Fri., Dec. 5—"How Western Can a Country Be Without Democrats?" (WCFA, CMES) Soli Ozel, Bilgi University, Istanbul. Room S354, Knafel Building, CGIS, 1737 Cambridge St., 4:30 p.m.

Fri., Dec. 5—"Education and the Postponement of Motherhood in Contemporary Japan." (Reischauer Institute, Program on U.S.-Japan Relations) Eiko Kenjoh, Asia University, moderated by Margarita Estévez-Abe, Harvard University. Porté Room S250, CGIS South, 1730 Cambridge St., 4 p.m. [www.fas.harvard.edu/~rijs/](http://www.fas.harvard.edu/~rijs/).

Fri., Dec. 5—"Crafting A Sensible National Security Policy." (St. Paul Parish) Andrew J. Bacevich, Boston University. St. Paul Parish, 29 Mt. Auburn St., 7:30 p.m. Free and open to the public. Reception to follow.

Mon., Dec. 8—"A Talk by Robert Brenner." (Political Economy Workshop, Warren Center) Robert Brenner, UCLA. History Library, first floor, Robinson Hall, 4 p.m. Pre-circulated paper at [www.fas.harvard.edu/~polecon](http://www.fas.harvard.edu/~polecon).

Mon., Dec. 8—"Excavations at South Abydos: Archaeological Perspectives on Egyptian Society during the Late Middle Kingdom." (FAS) Josef Wegner, University of Pennsylvania. Room 102, Harvard Hall, 4:15 p.m.

Mon., Dec. 8—"Even on their Knees': Climbing the Holy Mountain of Croagh Patrick and the Pilgrimage Tradition in Irish Christianity." (HDS, CSWR) Michael Gibbons, archaeologist in Ireland. Sperry Room, Andover Hall, HDS, 5:15 p.m.

Tue., Dec. 9—"Institutions and Development: Rethinking Neoliberalism and its Alternatives." (DRCLAS, WCFA) Peter Kingstone, University of Connecticut. 1730 Cambridge St., noon. [sntesor@fas.harvard.edu](mailto:sntesor@fas.harvard.edu).

Tue., Dec. 9—"Philosophy and Social Science in Africa." (Committee on African Studies) Paulin Hountondji,

National University of Benin. Room S250, CGIS South, 1730 Cambridge St., 6 p.m. (617) 495-5265, [cafrica@fas.harvard.edu](mailto:cafrica@fas.harvard.edu).

Wed., Dec. 10—"Archaeology Event." (Asia Center, GSAS, Anthropology, East Asian Languages and Civilizations) Title TBA. Xiaoli Ouyang, Harvard University. Peabody Museum 14A, 11 Divinity Ave., 5 p.m. [miller9@fas.harvard.edu](mailto:miller9@fas.harvard.edu).

Thu., Dec. 11—"U.S.-Japan Alliance and the Future of Extended Deterrence." (Reischauer Institute) Jim Schoff, Institute for Foreign Policy Analysis. Porté Room S250, CGIS South, 1730 Cambridge St., noon. [www.fas.harvard.edu/~rijs/](http://www.fas.harvard.edu/~rijs/).

Thu., Dec. 11—"Art and Politics in Brazil from the 1940s to the 1970s." (Brazil Studies, DRCLAS) Jose Luis Falconi, Harvard University, moderates a conversation with Claudia Calirman, scholar, DRCLAS; and Marcio Siwi, fellow, DRCLAS. Room S-050, CGIS, 1730 Cambridge St., 12:15 p.m.

Thu., Dec. 11—"Longer Days in Better Schools: The Expanded Learning Model." (Askwith Forum, HGSE) Panelists include Christopher Gabrieli, National Center for Time and Learning; Robin Harris, principal, Fletcher/Maynard Academy; and others. Askwith Lecture Hall, Longfellow Hall, HGSE, 5:30 p.m. [samantha\\_thompson@gse.harvard.edu](mailto:samantha_thompson@gse.harvard.edu).

## classes etc.

**Arnold Arboretum** offers a series of classes for the general public. (617) 384-5209, [arbweb@arnarb.harvard.edu](http://arbweb@arnarb.harvard.edu), [www.arboretum.harvard.edu](http://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](http://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 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/to\\_urs.html](http://www.arboretum.harvard.edu/visitors/to_urs.html).

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](mailto:training@harvard.edu).

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

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**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 Contemporary Gamelan** is open to Harvard students, faculty, staff, and other community members. Join us Thursdays for a new music adventure and be part of creating the Music Department's new orchestra. Lower main floor, Gamelan Music Room, SOCH/Hilles, 7 p.m. To sign up, e-mail diamond2@fas.harvard.edu.

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

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

**Harvard Initiative for Global Health**  
 ■ Wed., Dec. 3—**“Invocation for Global Health: Creating Opportunities and Empowering Students.”** Keynote speaker George Whitesides, Harvard University. CGIS South, 1730 Cambridge St., 2 p.m. All Harvard faculty and students are invited. Space is limited; registration required. E-mail eric\_goodwin@harvard.edu to register. A full agenda is available at http://events.globalhealth.harvard.edu.

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

■ Fri., Dec. 5—**“Harnessing the Power of PhotoShop.”** Armenise 330, HMS, noon. Free and open to Harvard employees and HMS affiliates. No registration necessary.

■ 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=raining\_classes.

■ Wed., Dec. 17—**“Accessorize Your Presentation.”** Goldenson 512, noon. Free and open to Harvard employees and HMS affiliates. No registration necessary.

**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.hmn.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**  
 Thu., Nov. 20—**“Earthquakes! How We Can Better Understand and Prepare for Them.”** John H. Shaw, Harvard University. Geological Lecture Hall, HMNH, 26 Oxford St., 6 p.m. Free and open to the public.

Thu., Dec. 11—**“Confronting the Energy-Climate Challenge.”** Daniel Schrag, Harvard University, with remarks by Kelly Gallagher, HKS. HMNH, 26 Oxford St., 6 p.m. Free and open to the public.

■ **Classes**  
 Sat., Dec. 6—**“Human Origins.”** Adult class with Neil Roach, Harvard University. Cost is: \$40/nonmembers; \$36/members. Price includes cost of admission. HMNH, 26 Oxford St., 9:30 a.m.

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

■ Fri., Dec. 12—**“Regional Exploration: Spain's Wine and Tapas.”** Virtual journey to Spain with José Lopez, wine enthusiast. Recipes and sampling included. 5:30 p.m. \$25 per person. Limited to 12. Registration and prepayment required.

**Harvard Real Estate Services**

■ Thu., Dec. 4—**“Home Buying Seminar & Obtaining a Mortgage: Tips To Assist You with This Process.”** Susan Keller, Harvard Real Estate Services. Room 3311, 124 Mt. Auburn St., noon-1:30 p.m. Feel free to bring a lunch. Open to Harvard faculty and staff. Pre-register at fres@harvard.edu.

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

■ Thu., Nov. 20—**“Feeling and Landscape: The Psychology of Landscape Design.”** Susan Pashman, 6 p.m. Opening reception at 5:30 p.m. RSVP to landscape@arnarb.harvard.edu by Tue., Nov. 18. Free to NELDHA members; \$5 nonmembers.

■ Thu., Dec. 4—**“Information Session.”** Learn about the program, course offerings, and ask questions to staff and faculty. 5:30 p.m. No registration required.

■ Fri., Dec. 5—**“Information Session.”** Learn about the program, course offerings, and ask questions to staff and faculty. 12:30 p.m. No registration required.

■ Fri., Dec. 5—**“Green Roofs and Plant Materials: An Advanced Introduction.”** Edmund Snodgrass, nurseryman and owner, Emery Knoll Farms Inc. 9:30 a.m. Free to NELDHA members; \$5 nonmembers. To register, call (617) 384-5277, http://calendar.arboretum.harvard.edu/index.php?mo=12&yr=2008.

■ Fri., Dec. 5—**“Maintaining a Green Roof: Best Practices.”** Edmund

Snodgrass, nurseryman and owner, Emery Knoll Farms Inc. 1 p.m. Free to NELDHA members; \$5 nonmembers. To register, call (617) 384-5277, http://calendar.arboretum.harvard.edu/index.php?mo=12&yr=2008.

■ Wed., Dec. 10—**“NELDHA History Networking: NELDHA Historians Working at the Isabella Stewart Gardner Museum”** with JoAnn Robinson and Ann Uppington. 1 p.m. Free to NELDHA members; \$5 nonmembers. RSVP to kff245@aol.com by Nov. 8.

**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.

**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**

**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. 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., Dec. 4—**“Internet Safety: What Every Parent Should Know.”** Michelle George, family and life educator. Pre-register at barbara\_wolf@hms.harvard.edu.

■ Wed., Dec. 10—**“Should Dad be Driving? Memory Loss, Independence, and Safety: A Difficult Balance.”** Jody Gastfriend, Parents in a Pinch Inc. 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-mail.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

Tue., Dec. 9—**“Cooking & Science with Ferran Adrià: A Conversation on Creativity.”** (Materials Research Science and Engineering Center, Nanoscale Science and Engineering Center, SEAS, Physics) Ferran Adrià, chef, El Bulli. Room 250, Jefferson Hall, 6:30 p.m. Free and open to the public. Seating is limited and on a first-come first-served basis. www.seas.harvard.edu/cooking.

Thu., Dec. 11—**“Dinner for Water.”** (HASA) Fundraiser event to raise money to support clean water initiatives in Africa. Keynote speaker and humanitarian Hauwa Ibrahim to help raise awareness. Proceeds are donated to H2O Africa Foundation and Project ACWA, a student-run grassroots effort to provide clean water to Agyementi, Ghana. Dinner, provided by Addis Red Sea, features an assortment of West and East African cuisine. Hilles Penthouse, SOCH, 59 Shepard St., 6 p.m. Tickets are \$20 general; \$15 students. Harvard Box Office (617) 496-2222.

Sat., Dec. 13—**“From Bean to Bar: The Sweet Science of Chocolate.”** (Materials Research Science and Engineering Center, Nanoscale Science and Engineering Center, SEAS, Physics) Family-friendly holiday lecture with Howard Stone, SEAS, and Amy Rowat, Harvard University. Live experiments and demonstrations; appropriate for ages 7 and up. Lecture Hall B, Science Center, 10 a.m. and 1 p.m. Tickets required. Registration opens Tue., Nov. 25. E-mail sciencetix@seas.harvard.edu, www.seas.harvard.edu/cooking.

## 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.  
 Nov. 23—The Rev. Dr. Matthew Myer Boulton, HDS  
 Nov. 30—The Rev. Dr. Dorothy A. Austin, Sedgwick Associate Minister and chaplain to the University, the Memorial Church

Dec. 7—The Rev. Peter J. Gomes, Plummer Professor of Christian Morals and Pusey Minister in the Memorial Church

#### 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., Nov. 20—Gail E. Gilmore, Harvard University  
Fri., Nov. 21—Alexander Emmitt Johnson '10, Harvard College  
Sat., Nov. 22—Persis McClennen, attorney  
Mon., Nov. 24—Richard Scott Kelley '10, Harvard College  
Tue., Nov. 25—Barbara Boles, Harvard University  
Wed., Dec. 26—Christian Lane, the Memorial Church  
Thu., Nov. 27-Sat., Nov. 29—No services  
Mon., Dec. 1-Fri., Dec. 5—"New Times, New Demands, and What of Faith?" Richard Parker, HKS  
Sat., Dec. 6—The Rev. Jonathan C. Page, the Memorial Church  
Mon., Dec. 8—Lumumba Babushe Seegars '09, Harvard College  
Tue., Dec. 9—Gillian Everett Morris '09, Harvard College  
Wed., Dec. 10—Robert H. Giles, Harvard University  
Thu., Dec. 11—Lisa M. Wong, HMS

#### 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., 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 robfirstpres@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 ldsbostoninstitute@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, jvonald@hds.harvard.edu  
■ HDS Thursday Morning Eucharist: 8:30-9 a.m.

**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 Congregational Church

**Somerville UCC** is a progressive community rich in young adults. Come Sunday mornings at 10 a.m. for creative worship and fellowship, or Wednesdays at 6:15 p.m. for Rest and Bread, a reflective communion and prayer service. www.firstchurch-somerville.org.

#### 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; pallikk@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 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 mfuness@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

A diverse, inclusive, inspiring community of Humanists, atheists, agnostics, and the non-religious at Harvard and beyond. For up to the minute updates, join Chaplain Greg Epstein on Facebook, www.facebook.com Join us: www.harvardhumanist.org for e-newsletter, event details, and more.  
Humanist Graduate Student Pub Nights: Queen's Head Pub, Memorial Hall, every other Thursday.  
"Humanist Small Group" Sunday Brunch: every other Sunday. For Harvard students, faculty, alumni, and staff.

**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.old-cambridgebaptist.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

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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](mailto: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](http://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](http://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 [jean\\_gauthier@harvard.edu](mailto:jean_gauthier@harvard.edu), [dmorley@fas.harvard.edu](mailto:dmorley@fas.harvard.edu), or [linda\\_schneider@harvard.edu](mailto:linda_schneider@harvard.edu) for more information.

■ **Next meeting: Mon., Dec. 8**

**Harvard Lesbian, Gay, Bisexual & Transgender Faculty & Staff Group.** (617) 495-8476, [ochs@fas.harvard.edu](mailto:ochs@fas.harvard.edu), [www.hglc.org/resources/faculty-staff.html](http://www.hglc.org/resources/faculty-staff.html).



Justin Ide/Harvard News Office

**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](http://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 [spoussupport@gmail.com](mailto:spoussupport@gmail.com) for location and time of meetings and check [www.hsspa.harvard.edu](http://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](mailto: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](mailto:trademark_program@harvard.edu), [www.trademark.harvard.edu](http://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](http://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](mailto:bgilmore@uhs.harvard.edu).

**Office of Work/Life Resources** offers a variety of programs and classes. (617) 495-4100, [worklife@harvard.edu](mailto:worklife@harvard.edu), <http://harvie.harvard.edu/workandlife>. See classes for related programs.

■ **Parent-to-Parent Adoption Network at Harvard.** If you would like to volunteer as a resource, or if you would like to speak to an adoptive parent to gather information, call (617) 495-4100. All inquiries are confidential.

**On Harvard Time** is Harvard's new, weekly 7-minute news show that will cover current news from a Harvard perspective. Online at [www.hrtv.org](http://www.hrtv.org), 7 p.m. [onharvardtime@gmail.com](mailto:onharvardtime@gmail.com).

**Recycling Information Hotline:** The Facilities Maintenance Department (FMD) has activated a phone line to provide recycling information to University members. (617) 495-3042.

**Smart Recovery** is a discussion group for people with problems with addiction. Programs are offered at Mt. Auburn Hospital, Massachusetts General Hospital, McLean Hospital, and other locations. (781) 891-7574.

**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.

**The University Ombudsman Office** is an independent resource for problem resolution. An ombudsman is *confidential, independent, and neutral*. The ombudsman can provide confidential and informal assistance to faculty, fellows, staff, students, and retirees to resolve concerns related to their workplace and learning environments. A visitor can discuss issues and concerns with the ombudsman without committing to further disclosure or any formal resolution. Typical issues include disrespectful or inappropriate behavior, faculty/student relations, misuse of power or unfair treatment, authorship or credit dispute, sexual harassment or discrimination, stressful work conditions, career advancement, overwork, disability, or illness. The office is located in Holyoke Center, Suite 748. (617) 495-7748, [www.universityombudsman.harvard.edu](http://www.universityombudsman.harvard.edu).

**Women's Lives Reading Group** meets once a month to discuss a novel or a biography. Women in the group use their lives to better understand the women they read about, and use the book's characters to spark discussions about their own lives as women. [anne@wjh.harvard.edu](mailto:anne@wjh.harvard.edu).

## studies

Studies are listed as space permits.

**Acne Study:** Researchers seek people 12 years of age and older with facial acne to determine the safety and effectiveness of an investigational drug for acne. The study consists of five visits over 12 weeks and subjects will receive up to \$200 in compensation for time and travel. Study visits are required approximately every two to four weeks. Participants will have to stop all other treatments for acne except emollients approved by the study doctor. (617) 726-5066, [harvard-skinstudies@partners.org](mailto:harvard-skinstudies@partners.org).

**Cocaine Usage Study:** Researchers seek healthy men ages 21-35 who have used cocaine occasionally for a two-visit research study. Subjects will be administered cocaine and either flutamide or premarin and undergo an MRI and blood sampling. \$425 compensation upon completion. Taxi is provided. (617) 855-2883, (617) 855-3293. Responses are confidential.

**Brain Imaging Study:** Researchers seek healthy women ages 24-64 who are non-smoking for a three-visit research study. Subjects will undergo MRIs and blood sampling. Up to \$175 compensation upon completion of the screening visit and study days. (617) 855-3293, (617) 855-2883. Responses are confidential.

**Brain Imaging Study:** Researchers seek healthy volunteers ages 21-35 for a six-visit study investigating how sedative-type drugs affect the brain. Participants must be willing to have an MRI and make multiple visits. Compensation up to \$625. Round-trip transportation provided. (617) 855-2359.

**Brain Imaging Study:** Researchers seek healthy men ages 21-50 for a 12-week study that involves taking two FDA-approved antidepressant medications (Celexa and Lexapro), as well as a placebo. Each of the three medications is taken individually for two weeks. There are a total of eight visits during the course of the study, including three MRI brain scans. Compensation up to \$800. All personal information is confidential. Call (617) 789-2404 or e-mail [depression@caritaschristi.org](mailto:depression@caritaschristi.org) and refer to "Celexa and Lexapro study."

**Depression Study:** Researchers seek women ages 18-55 with depression and insomnia but who are not taking any antidepressant medications. Participation involves taking two FDA-approved medica-

tions to treat depression and insomnia. Study procedures include a screening visit, four MRI scans of the brain, and three monitoring visits. Study medication provided free of charge and compensation up to \$600. Call (617) 789-2165 or e-mail [depression@caritaschristi.org](mailto:depression@caritaschristi.org) and refer to "Lunesta study." All inquiries confidential.

**Depression Study:** Researchers seek individuals ages 18-60 with depression. The study involves an initial diagnostic interview, one blood draw, and a telephone call 8-12 weeks after the study visit. Compensation for completion of the study is \$60. Call (617) 789-2165 or e-mail [depression@caritaschristi.org](mailto:depression@caritaschristi.org) and refer to the "Biomarker Study." All information confidential.

**Diabetes and Hypertension Study:** Researchers seek participants ages 18-75 with type 2 diabetes mellitus and high blood pressure, no heart attack or stroke in the last six months, no history of ECG abnormalities, and no history of gastrointestinal issues for a 14-day research study. Women must be either postmenopausal or surgically sterilized. The study will include three inpatient days over the course of two separate admissions. Subjects will receive intravenous infusions on three different mornings to study the kidney's response to the rennin inhibitor aliskiren. Compensation of \$1,000 upon study completion. (617) 732-6901, [hhassett@partners.org](mailto:hhassett@partners.org), [esampong@partners.org](mailto:esampong@partners.org).

**First Impressions of Faces Study:** Researchers seek men and women ages 18 and older with 20/20 corrected vision and the ability to read English to participate in an hour-and-a-half long study of first impressions. The study is non-invasive. Participants will be shown a series of photographs of women's faces on a computer screen and will be asked to record their perceptions of them, and then answer a brief questionnaire. Participants will be paid \$20. (617) 726-5135, [blinkstudies@gmail.com](mailto:blinkstudies@gmail.com).

**Healthy Women Study:** Researchers seek healthy women ages 18-40 who have regular menstrual cycles and are not taking medications (including birth control pills). Payment provided. (617) 726-8437, [cwelt@partners.org](mailto:cwelt@partners.org).

**HIV and Brain Functioning Study:** Researchers seek volunteers ages 18-59 who are HIV+ and taking HIV medications for a study investigating HIV and brain functioning. The study involves two daytime office visits and an MRI scan. Compensation up to \$150. Call (617) 855-2359 and mention "Project Brain." All calls confidential.

**Nov. 24**

The Asia Center, Korea Institute, and Harvard School of Public Health present "The Challenge of Tuberculosis in the Korean Peninsula" Monday, Nov. 24, with Jim Kim (left), Harvard University. The talk will take place in room 020, course level, CGIS South, 1730 Cambridge St., at 4 p.m. Call (617) 496-6273 for more information.

# Opportunities

Job listings posted as of November 20, 2008

**H**arvard 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>.

**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://www.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 Associate/Scientist Req. 35823**, Gr. 000

Harvard School of Public Health/CBAR  
FT (11/13/2008)

**Research Associate/Scientist Req. 35824**, Gr. 000

Harvard School of Public Health/CBAR  
FT (11/13/2008)

## Alumni Affairs and Development

**Director of Alumni Affairs Req. 35856**, Gr. 059

JFK School of Government/Office of External Affairs  
FT, SIC, (11/20/2008)

**Director of Development, Leadership Gifts Req. 35854**, Gr. 060

Graduate School of Education/Development and Alumni Relations  
FT (11/20/2008)

## Communications

**Web Content Coordinator Req. 35772**, Gr. 055

Alumni Affairs and Development/Communications  
FT (11/6/2008)

## Dining & Hospitality Services

**Kitchenperson/Chef's**

**Helper/Potwasher/Laundryperson Combo Req. 35831**, Gr. 012

Dining Services/Adams  
(11/13/2008)

**General Services Req. 35763**, Gr. 010

Dining Services/Annenberg  
Union: HEREIU Local 26, PT (11/6/2008)

**General Services Req. 35759**, Gr. 010

Dining Services/Lowell/Winthrop  
Union: HEREIU Local 26, PT (11/6/2008)

**Sales Attendant Req. 35765**, Gr. 031

Dining Services/Northwest Cafe  
Union: HEREIU Local 26, PT (11/6/2008)

**General Services Req. 35760**, Gr. 010

Dining Services/Eliot/Kirkland  
Union: HEREIU Local 26, PT (11/6/2008)

**Checker Req. 35829**, Gr. 011

Dining Services/Eliot/Kirkland  
Union: HEREIU Local 26, FT (11/13/2008)

**Chef/Production Manager Req. 35796**, Gr. 056

Dining Services/Dining Services  
FT (11/13/2008)

**General Service - Kitchenperson/Potwasher/Chef**

**Helper Req. 35828**, Gr. 010

Dining Services/Quincy  
Union: HEREIU Local 26, PT (11/13/2008)

**Second Cook Req. 35758**, Gr. 020

Dining Services/Annenberg  
Union: HEREIU Local 26, FT (11/6/2008)

**General Services Req. 35761**, Gr. 010

Dining Services/Adams  
Union: HEREIU Local 26, PT (11/6/2008)

**General Services Req. 35825**, Gr. 010

Dining Services/Dunster/Mather  
Union: HEREIU Local 26, PT (11/13/2008)

**General Service Req. 35826**, Gr. 010

Dining Services/Adams  
Union: HEREIU Local 26, PT (11/13/2008)

**General Service Req. 35830**, Gr. 010

Dining Services/Lowell/Winthrop

Union: HEREIU Local 26, FT (11/13/2008)

## Facilities

**HVAC Mechanic (Maintenance Operator) Req. 35822**, Gr. 029

University Operations Services/FMO  
Union: ATC/IUOE Local 877, FT (11/13/2008)

**HVAC Mechanic (Maintenance Operator) Req. 35821**, Gr. 029

University Operations Services/FMO  
Union: ATC/IUOE Local 877, FT (11/13/2008)

**Area Supervisor Req. 35774**, Gr. 058

University Operations Services/FMO  
FT (11/6/2008)

**Director of Planning Services Req. 35770**, Gr. 059

University Administration/University Planning Office  
FT (11/13/2008)

**Facilities Engineer Req. 35871**, Gr. 058

University Administration/HRES  
FT (11/20/2008)

**Category B Parking Monitor Req. 35835**, Gr. 001

University Operations Services/Parking Services  
Union: HUSPMGU, PT (11/20/2008)

## Faculty & Student Services

**Assistant Director Req. 35850**, Gr. 058

Harvard Business School/MBA Admissions  
FT (11/20/2008)

**Admissions and Financial Aid Officer Req. 35849**, Gr. 056

Faculty of Arts and Sciences/College Admissions & Financial Aid  
FT (11/20/2008)

**Assistant Director, Bernard Koteen Office of Public**

**Interest Advising (OPIA) Req. 35816**, Gr. 057

Harvard Law School  
FT (11/13/2008)

**Assistant Director Req. 35851**, Gr. 058

Harvard Business School/MBA Admissions  
FT (11/20/2008)

**Associate Director, Admissions Req. 35799**, Gr. 059

Harvard Business School/MBA Admissions  
FT, SIC, (11/13/2008)

**Clinical Instructor Req. 35757**, Gr. 058

Harvard Law School/Wilmerhale Legal Services  
Center  
FT (11/6/2008)

**Associate Director of International Grants Req. 35842**, Gr. 058

Faculty of Arts and Sciences/Office of International Programs  
FT (11/20/2008)

## Finance

**Associate Dean of Finance/Chief Financial Officer Req. 35859**, Gr. 062

JFK School of Government/Executive Dean's Office  
FT (11/20/2008)

**Associate Dean for Finance/Executive Financial**

**Officer Req. 35843**, Gr. 062

Harvard Law School/Administration  
FT (11/20/2008)

**Senior Financial Analyst Req. 35769**, Gr. 059

Financial Administration/Office of Budgets and Financial Planning  
FT (11/6/2008)

**Director of Financial Reporting and Internal**

**Controls Req. 35749**, Gr. 059

Alumni Affairs and Development/Recording

Secretary's Office

FT (11/6/2008)

**Financial Analyst Req. 35768**, Gr. 058

Financial Administration/Office of Budgets and Financial Planning  
FT (11/6/2008)

**Senior Financial Associate Req. 35873**, Gr. 056

Harvard Medical School/Global Health and Social Medicine  
FT (11/20/2008)

## General Administration

**Sosland Director of the Harvard College Writing**

**Program Req. 35790**, Gr. 060

Faculty of Arts and Sciences/Office of

Undergraduate Education

FT (11/13/2008)

**Major Gifts Associate Req. 35855**, Gr. 056

JFK School of Government/Office of External Affairs  
FT, SIC, (11/20/2008)

**Manager of Strategic Communications and**

**Research Dissemination Req. 35858**, Gr. 057

JFK School of Government/Center for International Development  
FT (11/20/2008)

**Laboratory Administrator Req. 35751**, Gr. 055

Faculty of Arts and Sciences/Chemistry & Chemical Biology  
FT (11/6/2008)

**Executive Assistant Req. 35869**, Gr. 054

University Administration/Office of the Provost  
Union: HUCTW, FT (11/20/2008)

**Assistant Director, Instructional Strategy Req. 35793**, Gr. 057

Graduate School of Education/ExEL  
PT (11/13/2008)

**Manager Final Examinations Req. 35840**, Gr. 055

Faculty of Arts and Sciences/Registrar/FAS  
Union: HUCTW, FT (11/20/2008)

**Operations Director Req. 35762**, Gr. 061

School of Engineering & Applied Sciences/Wyss Institute  
FT (11/6/2008)

**Program Manager/Domain Manager Nonprofit**

**Organizations in China Req. 35773**, Gr. 058

JFK School of Government/Hauser Center  
FT (11/6/2008)

## Information Technology

**Program Manager, Educational Technology Group**

**Req. 35852**, Gr. 059

Harvard Business School/Educational Technology Group  
FT (11/20/2008)

**Information Technology Support Associate Req. 35870**, Gr. 055

Faculty of Arts and Sciences/Center for Hellenic Studies  
FT (11/20/2008)

**Media Services Line Supervisor Req. 35771**, Gr. 056

Harvard Medical School/Information Technology - Media Services  
FT (11/6/2008)

**Senior Systems Administrator Req. 35779**, Gr. 058

School of Engineering & Applied Sciences/Computing & Information Technology  
FT (11/6/2008)

**Web Developer Req. 35777**, Gr. 056

Harvard Law School/Berkman Center for Internet and Society  
FT (11/6/2008)

**CTSC Senior Web 2.0 Software Architect Req. 35787**, Gr. 059

Harvard Medical School/IT

FT (11/13/2008)

**Web Application Developer Req. 35863**, Gr. 057

Faculty of Arts and Sciences/FAS IT

FT (11/20/2008)

**Senior Product Manager for Administrative**

**Applications Req. 35862**, Gr. 058

Faculty of Arts and Sciences/FAS IT

FT (11/20/2008)

**Desktop Support Supervisor Req. 35780**, Gr. 056

University Information Systems/Network and Server Systems  
FT, SIC, (11/13/2008)

**Client Support Specialist Req. 35866**, Gr. 057

Faculty of Arts and Sciences/FAS IT

FT (11/20/2008)

**Software Engineer Req. 35834**, Gr. 058

University Information Systems/OAS Grants

Management

FT (11/20/2008)

**CTSC User Interface Specialist Req. 35788**, Gr. 057

Harvard Medical School/IT

FT (11/13/2008)

**Scientific Programmer Req. 35807**, Gr. 056

Harvard Medical School/CBML

FT (11/13/2008)

**Manager, Research IT Operations Req. 35784**, Gr. 059

Harvard Medical School/Information Technology - Client Services Group

FT (11/13/2008)

**User Experience Designer Req. 35792**, Gr. 058

University Information Systems/iCommons

FT (11/13/2008)

## Library

**Director of Harvard College Library Technical**

**Services Req. 35874**, Gr. 061

Harvard College Library/Office of the Librarian

FT (11/20/2008)

**CTSC Bioinformatics Educator Req. 35803**, Gr. 058

Harvard Medical School/Countway Library

FT (11/13/2008)

**Project Archivist (Archives for Women in**

**Medicine) Req. 35801**, Gr. 056

Harvard Medical School/Countway

FT (11/13/2008)

## Museum

**Curatorial Fellow Req. 35832**, Gr. 090

University Administration/Arnold

Arboretum/Curation

FT (11/20/2008)

## Research

**Research Associate Req. 35876**, Gr. 055

Harvard Business School/Division of Research & Faculty Development

FT (11/20/2008)

**Research Associate Req. 35875**, Gr. 055

Harvard Business School/Division of Research & Faculty Development

FT (11/20/2008)

**Administrative Director Req. 35766**, Gr. 060

School of Engineering & Applied Sciences/Wyss

Institute

FT (11/6/2008)

## Faculty of Arts and Sciences — Memorial Minute

*In the many tributes Rivers received over the years, her leadership and helpfulness are invariably mentioned. A former graduate student expressed a sentiment shared by many: "I have always been thankful to Wilga for her confidence in students, her unwavering support, and her generosity."*



Wilga M. Rivers

*At a Meeting of the Faculty of Arts and Sciences October 21, 2008, the following Minute was placed upon the records.*

Wilga Marie Rivers was born on April 13, 1919, in Melbourne, Australia. She remained in her native country for the early years of her education and obtained a B.A. honors degree from the University of Melbourne in 1939. An M.A. from the same university followed in 1949. Rivers would eventually come to the United States to complete her graduate work and earn a Ph.D. from the University of Illinois at Urbana-Champaign in 1962. Twelve years later she joined the Harvard faculty as a full professor in the Department of Romance Languages and Literatures, the first woman to hold that title. At the time of her appointment, Rivers had already established herself as an international authority on language learning and teaching, having taken her field beyond the behaviorist methodology of the 1960s and offered in its stead a new psycholinguistic approach to foreign language pedagogy. Throughout her career she would work tirelessly to make contributions to the field of applied linguistics and to the professionalization of language teachers at every level.

Her first book, *The Psychologist and the Foreign-Language Teacher*, published in 1964, won notice as a result of its exploration of the relationship between the psychological processes of language acquisition and the rationale on which a specific methodology is based. While acknowledging the necessity of "making foreign language responses automatic at the manipulative level," Rivers challenges the basic assumptions of the audio-lingual method (ALM) prevalent at the time and emphasizes the emotional, or affective, component of foreign language learning as well as the need to make material meaningful. Here, as in later books, Rivers focuses on the individual learner, criticizing ALM's assumption that all students learn in the same way and that it is possible to learn a foreign language through repetition and drill without the expression of personal meaning. Her last chapter, consisting of recommendations for the teacher, represents a constant in Rivers' writing: the desire to combine scholarly research and practical application in order to ensure that classroom practices rest on a sound theoretical foundation.

*Teaching Foreign-Language Skills*, perhaps Rivers' most important contribution to the field of applied linguistics, was published in 1968 and subsequently translated into Japanese, Romanian, and Portuguese. In addition, special editions were prepared for use by teachers in India, Pakistan, and Southeast Asia. A later revision completed in 1981 was also translated into Japanese. This book, even more than *The Psychologist and the Foreign-Language Teacher*, demonstrates her ability to identify and synthesize the multiple studies and theories of language and learning. It presents an exhaustive discussion of the four basic skills of listening, speaking, reading, and writing; as well as chapters on various methodologies and theories, on sounds and phonetics, technology, and cultural understanding. Little wonder that an editor at the University of Chicago Press, in writing to Rivers about the possibility of distributing the new 1981 edition, referred to the work

as "the bible" of foreign language teaching.

In the many tributes Rivers received over the years, her leadership and helpfulness are invariably mentioned. A former graduate student expressed a sentiment shared by many: "I have always been thankful to Wilga for her confidence in students, her unwavering support, and her generosity." Rivers was also an equally dedicated mentor to younger colleagues in the language section of the Department, distributing articles on new or interesting approaches to language teaching, proposing these colleagues as conference speakers and, in general, inspiring them to improve their courses and their teaching. Unselfish in her support of the non-ladder language faculty, she included them as chapter authors in two of the volumes she edited. These efforts often extended beyond her department and even Harvard. Most notably, she created *Sine Nomine*, a group of college language teachers in the Boston area who gathered four times a year to discuss specific topics and profit from the opportunity to exchange ideas, to network, and to gain experience in making presentations.

Wilga Rivers' name was not associated with any specific language teaching methodology. Just as she felt that students' individual differences and learning styles should be recognized, so she believed that teachers needed to adapt pedagogical approaches to their own personalities. This belief was due, at least in part, to her experiences as a student. When growing up in Melbourne in the 1920s and 1930s in an environment limited by means and geography, she was awed by the ability of a French teacher to motivate her students in the study of a remote culture and its language. In the first installment of her memoirs, *Down Under/Up Top*, Rivers asks: "How then did this young teacher arouse such enthusiasm for what to us was an esoteric subject? ... [S]he loved young people and she loved teaching... [W]hen I started teaching French myself, I had in my memory a wonderful model that I wanted to emulate."

Rivers' success spread well beyond the world of the school teacher who inspired her. She wrote approximately eighty articles on language teaching and learning and was the author, co-author, or editor of fifteen books, including a series of "practical guides" for the teaching of English, French, German, Hebrew, and Spanish. She was an invited or keynote speaker in over forty countries, even long after her retirement. Active in professional organizations, notably as the first president of the American Association for Applied Linguistics, Rivers received many prizes, served on a variety of advisory councils, consulted for both the Canadian and United States government, and was awarded an honorary doctorate by Middlebury.

Wilga Rivers suffered a severe stroke in July 2005 and died on June 23, 2007. She will be sorely missed by her many friends and colleagues throughout the world and by the profession she served with such unstinting devotion.

Respectfully Submitted,

Elvira Di Fabio  
Donald Stone  
Judith Frommer, Chair

# Harvard College Library is going green

*HCL's longtime dedication to sustainability accelerates*

By **Peter Reuell**  
*HCL Communications*

The changes may not be immediately evident, but little by little, Harvard College Library (HCL) has been “going green” for years, even before the University’s newest commitment to sustainable practices.

Since 1997, the buildings managed by

HCL Operations — Widener, Houghton, Lamont, Pusey, and Tozzer libraries and the HCL floors of 625 Mass. Ave. — have made dozens of changes aimed at sustainability and energy conservation, said HCL Director of Operations and Security Paul Bellenoit.

One of the most significant changes may be the least obvious. Starting a decade ago, Bellenoit said,

**sustainability at Harvard** HCL Operations began replacing building exit signs with new, LED signs, and the results have been dramatic. Where the older signs used two bulbs that needed replacing four times a year and drew approximately 50 watts of power, the LED signs are virtually maintenance-free for 10 years and draw just 15 watts, meaning less energy consumed, and fewer bulbs and fewer signs

aged by HCL Operations also changed from traditional light bulbs to energy-efficient compact fluorescent bulbs, saving hundreds of thousands of watts.

Other sustainability projects included switching in 2006 to green cleaning products, replacing all bathroom faucets in Widener and Lamont with timed faucets, installing water-saving toilets in Widener, installing hands-free paper towel dispensers in Widener and Lamont — which reduced bathroom paper consumption by 20 percent — and switching all buildings managed by HCL Operations to paint that doesn’t contain volatile organic compounds.

Sustainability is part of the conversation even when considering furnishings. Rather than purchase lower-quality furniture and carpeting that might have to be replaced

## IN BRIEF

### Fontainebleau Schools info session in Adams House

The Fontainebleau Schools program will hold a concert and information session at the Adams House Lower Common Room on Dec. 4 from 7 to 8 p.m. for summer study programs in architectural design and chamber music in Fontainebleau, France. Program alumni will perform, show their work, and discuss their experiences with prospective applicants. For more information, visit [www.fontainebleauschools.org](http://www.fontainebleauschools.org) or e-mail fellowships tutor David M. Foxe at [dm-foxe@yahoo.com](mailto:dm-foxe@yahoo.com).

### Global health workshop, Dec. 3

The Harvard Initiative for Global Health (HIGH) will host “Innovation for Global Health: Creating Opportunities and Empowering Students” on Dec. 3 from 2 to 6:30 p.m. at the Center for Government and International Studies (CGIS) South Building. The event’s keynote speaker will be George Whitesides, the Woodford L. and Ann A. Flowers University Professor at Harvard, whose pioneering lab is currently using its competencies in materials science, engineering, and biology to address problems that affect developing countries, with a focus on health diagnostics and local energy production.

Harvard faculty and students are invited to this free event. Refreshments will be provided. Due to limited space, registration is required. To register, e-mail Eric Goodwin at [eric\\_goodwin@harvard.edu](mailto:eric_goodwin@harvard.edu).

### Holiday gifts for those in need

The Phillips Brooks House Association and Phillips Brooks House will hold their annual holiday gift drive from Nov. 21 to Dec. 12, collecting gifts for underserved children in the Boston and Cambridge area. This drive will provide new books, games, toys, art supplies, and sports equipment for children, many of whose parents are impoverished, homeless, or incarcerated.

Last year’s drive donated more than 1,000 gifts from the Harvard community to 14 agencies in Cambridge, Allston-Brighton, Dorchester, Roxbury, and Boston. Those who wish to donate are asked to leave gifts for children of all ages (new and unwrapped) in marked receptacles in the Events and Information Center located in the Holyoke Center arcade.

### A musical invitation

The Harvard Contemporary Gamelan group (open to Harvard students, faculty, staff, and other community members) is looking for new members. The group performs every Thursday in the Gamelan Music Room on the lower main floor of the Student Organization Center at Hilles (SOCH).

The group plays on a Javanese-style gamelan, performing works by American composer Lou Harrison and compositions by Indonesian and international composers.

Musicians and composers are welcome, but no prior experience is required. For questions or to sign up, contact Jody Diamond at [diamond2@fas.harvard.edu](mailto:diamond2@fas.harvard.edu).

— Compiled by Gervis A. Menzies Jr.  
Send news briefs to [gervis\\_menzies@harvard.edu](mailto:gervis_menzies@harvard.edu)

#### In last week's Gazette:

**‘Living in the green zone at ‘Rock Hall,’**  
[www.news.harvard.edu/gazette/2008/11.13/11-rockefeller.html](http://www.news.harvard.edu/gazette/2008/11.13/11-rockefeller.html)



File Justin Ide/Harvard News Office

### Natural gas consumption at Widener was cut in half by alternating the run time for the two dehumidification systems.

thrown away. What’s more, the 559 new signs have cut energy costs by more than 20,000 watts per year, saving HCL thousands of dollars.

HCL has made other strides in the past decade on energy efficiency, Bellenoit said. As part of the ongoing building maintenance, HVAC systems are regularly updated and replaced. In addition, all building systems are controlled centrally via computer by HCL Operations.

“We monitor all HVAC systems to avoid costly spikes in heating or cooling, and we are able to turn off the HVAC when buildings are closed to conserve energy,” said Bellenoit.

Natural gas consumption at Widener was also cut in half by alternating the run time for the two dehumidification systems in the stacks, Bellenoit added. Environmental conditions for the collections, though, were unchanged.

Savings in power consumption have also been dramatic. At Widener, a simple change in the cleaning schedule from evenings to days, meaning the lights weren’t kept on most of the night, saved more than 75,000 watts of power, or tens of thousands of dollars per year, Bellenoit said. Buildings man-

every five years, HCL Operations purchases more-durable, higher-quality fittings that can withstand high traffic and frequent cleaning. Case in point: The heavily used soft seating on Lamont’s first-floor reading room was purchased more than eight years ago.

“We can have the seats reupholstered for a fraction of the cost of replacing them. We refinish and reuse furniture as much as possible. In the end, it’s better for the library and better for the environment,” said Bellenoit.

In addition to internal initiatives, HCL is working to keep pace with University efforts like single-stream recycling. According to Rob Gogan, associate manager of Harvard’s recycling services, the College Library now recycles nearly three-quarters of all its trash. Leadership in Energy and Environmental Design (LEED) certification is another University initiative that will affect the library going forward.

“We’re thinking about sustainable materials for future construction projects,” Bellenoit said. “We’re working closely with the University to keep up with new sustainability issues and planning.”  
[preuell@fas.harvard.edu](mailto:preuell@fas.harvard.edu)

#### To learn more about sustainability at Harvard:

**Harvard Office for Sustainability,**  
[www.greencampus.harvard.edu/](http://www.greencampus.harvard.edu/)

**Greenhouse Gas Task Force report,**  
[www.news.harvard.edu/gazette/2008/07.24/pdfs/GHG\\_TF\\_finalreport.pdf](http://www.news.harvard.edu/gazette/2008/07.24/pdfs/GHG_TF_finalreport.pdf)

**President Drew Faust’s statement on the report,**  
[www.president.harvard.edu/speeches/faust/080708\\_greenhouse.html](http://www.president.harvard.edu/speeches/faust/080708_greenhouse.html)

**‘Harvard Environmental Sustainability at Work’** (special Gazette section),  
[www.hno.harvard.edu/multimedia/specials/green/index.html](http://www.hno.harvard.edu/multimedia/specials/green/index.html)

**Slide show: ‘Green Commitment’ slide show,**  
[www.hno.harvard.edu/multimedia/flash/081024\\_green.swf](http://www.hno.harvard.edu/multimedia/flash/081024_green.swf)

**If you have a Harvard sustainability program to highlight, contact Corydon Ireland at [corydon\\_ireland@harvard.edu](mailto:corydon_ireland@harvard.edu).**

## Achebe

(Continued from page 15)

accept the truth.”

Achebe's poem, which included a “hide-and-seek” refrain, captured the emotions of someone out searching for a lost companion. He read the poem in English first, and then re-read it in Igbo.

Turning to “Beware Soul Brother,” Achebe recalled a humorous story about the poem's unexpected, royal admirer.

“Some years back, I was invited to a gathering in London to celebrate a Commonwealth event,” he said. “When I was there, somebody informed me that Her Majesty Queen Elizabeth the Second would like to use my poem in a speech she was giving to the Commonwealth. Did I mind?”

The room erupted in laughter as Achebe's eyes went wide.

“Of course not!” he continued. “I didn't quite say she could use the whole book, but that was how I felt. So that's the background to this poem; now you see why I am always reading it: the name-dropping,” he joked.

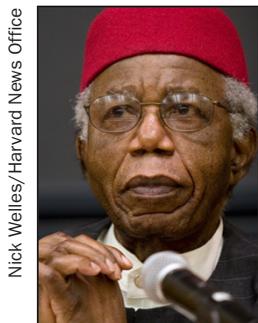
Following Achebe's talk, the crowd moved out into the CGIS South Concourse to enjoy a reception and performances by the Harvard College Pan-African Dance and Music Ensemble.

Deborah Foster, senior lecturer on folklore and mythology, was one of many audience members who expressed joy at the opportunity to meet Achebe.

“It was Chinua Achebe's novel ‘Things Fall Apart’ that got me excited about African literature and led me to pursue a degree in African languages and literature from the University of Wisconsin, Madison,” she said, holding up a tattered copy of the book. “I can't express how moved I am to be able to see and hear him at this time. You can hear his wisdom and the depth of his experience in his poetry. ... I am just delighted.”

The lecture was sponsored by the Committee on African Studies, the W.E.B. Du Bois Institute for African and African American Research, and the Department of African and African American Studies.

[esimon@fas.harvard.edu](mailto:esimon@fas.harvard.edu)



Nick Welles/Harvard News Office

*“I will not be giving you a lecture. Instead, I will be celebrating with you 50 years of the arrival of African literature, and I will do that celebration through poetry.”*

Chinua Achebe

## Chan



Courtesy Paul Chan

(Continued from page 15)

Chan was born in Hong Kong and moved to Omaha, Neb., with his family when he was 8. He studied photography in high school and considered pursuing a career in photo-journalism but decided it was too “macho” and opted for art school instead. He received a B.F.A. from the Art Institute of Chicago and an M.F.A. from Bard College.

His interest in video, he said, developed



largely as a product of the times, the increasing power and presence of personal computers in the 1990s and their ability to edit video.

“You try to make work that gives you an emphatic expression of what it means to be alive at the time that you are alive; and so, I think you use whatever is necessary and whatever is available to you, and at the time it was computers — and the burgeoning sense of what this glut of information can mean for us.”

Chan's recent production of “Godot” was his first and what he calls likely his only foray into theater.

A longtime political activist, Chan launched a grassroots effort in New Orleans that included meetings at local churches, visits to schools in the area, and countless potluck dinners with residents to spread the word and solicit feed-

**Paul Chan (above) talks about his experiences staging ‘Waiting for Godot’ in storm-ravaged New Orleans. He also spent some time discussing the pieces he has on display at the Carpenter Center, including the animated video digital presentation ‘Happiness’ (top).**

back and support for the play. It was advice from community residents that largely guided and shaped the project, he said.

One of his first encounters was with Robert Green, a well-known local resident who had lost his mother and young granddaughter in the hurricane. Living in a FEMA trailer where his home once stood in the Lower Ninth Ward, Green, Chan recalled, was not impressed with the artist's desire to stage a play and, in fact, “sweated” him about his idea. In the end, Chan offered Green his only copy of the play. The next day, Chan got a call from Green, who was excitedly yelling, “Let's not waste time in idle discourse,” a direct line from Godot, into the phone.

He had read the play, and “he got it, he understood why it made sense to do it, and so from that point on [he] became my neighborhood ambassador,” said Chan.

To produce the play, Chan collaborated with the Classical Theatre of Harlem and Creative Time, a public art organization also based in New York.

The play was a success. Turn-away-sized crowds at each performance resulted in another show added to the run.

Staging the production in the outdoor setting allowed for the unexpected, noted Chan, including swooping bats, passing cars, boat horns, police sirens, and an intoxicated man on a bike who repeatedly screamed, “I'm waiting too.” But such serendipity, rather than distract, said Chan, recalled the genius of the Irish playwright.

They were “all the things that weren't scripted but filled in the silence of the play, and I think that was the brilliance of Beckett. That in a way, he gave us enough space to fill in the silences of Godot.”

The notion of artistic room figures into Chan's other work. The Carpenter Center installation, “Paul Chan: Three Easy Pieces,” deals in part in shadow, what Chan calls the “negative imprint of things.”

His work “5th Light,” one of a seven-part series, projects shadowy images on the floor

that appear to both float upwards and fall to the ground. Guns and bags glide through the air and occasionally break apart, and the forms of miniature people drift by.

“There are some things that we simply can't look at directly. ... I use shadows then as way of connecting to that sense of what it means to not look at something directly but [to] feel it, too,” he said.

Helen Molesworth, the Maisie K. and James R. Houghton Curator of Contemporary Art at the Harvard University Art Museum, said she chose the three works in the exhibit as a way to chronicle the arc of Chan's relatively short but influential career. In addition, the curator said, the selections highlight his use of various mediums and offer the viewer a spectrum of emotions, from “empathy to utter distance.”

The second work, “Baghdad in No Particular Order,” a documentary-style video, features the daily lives of adults and children living in Iraq. The piece was filmed during a December 2002 visit Chan made to the country.

His third work, an animated digital video projection “Happiness (Finally) After 35,000 Years of Civilization — after Henry Darger and Charles Fourier,” draws directly from outsider American artist Darger and French philosopher Fourier and encompasses a vision of a world with figures violent, cheerfully promiscuous, and at times seemingly care-free.

For many, the work serves as both a vision of paradise and a mirror of the violence in today's war on terror and the world after 9/11.

On Thursday, Chan was again reflective describing the final moments of the “Godot” production in the Lower Ninth Ward, where, after the applause, the small cast turned and disappeared into the darkness at the end of the street.

“We just stared at them walking into the dark. It was one of the most eerie moments I have ever felt on a project. ... No one said a word,” said Chan. “It reminds me of a line from Milton, who said, ‘No light, but rather darkness visible,’ and that's what it felt like doing this project, that's it's not light, but darkness made visible.”

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Photos Kris Snibbe/Harvard News Office