

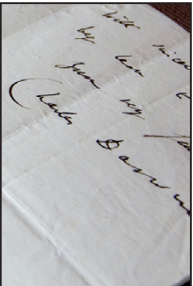
## Inside & ONLINE



**Population quake**  
By 2100 the percentage of whites in the United States will drop by 30 points.  
Page 5

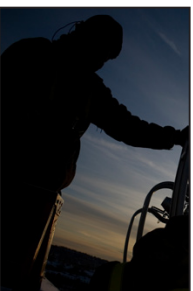


**Women rout pups**  
In Beanpot action, women trounce Terriers, men lose to the dogs in heart-breaker.  
Page 7



**Double Darwin**  
Two exhibits on campus mark two birthdays for the writer of 'On the Origin of Species.'  
Page 15

## Multimedia



**Turbines**  
Holyoke Center adds wind power to its green arsenal.  
Page 19

**More on 'Green Commitment,'**  
www.hno.harvard.edu/multimedia/flash/081024\_green.swf

## A portrait of the arts as a ladder to success

By **Corydon Ireland**  
*Harvard News Office*

In 2007, Harvard treasurer James Rothenberg '68, M.B.A. '70 — a leading investor who studied literature as an undergraduate — assured an audience of college students that the humanities had great value, whether you go on to a career in finance, medicine, science, or other fields not normally associated with the arts.

His years reading Shakespeare and Hemingway, said Rothenberg, were good preparation for skills needed in the business world, including sound communication, rapid synthesis of data, and decision-making despite

incomplete information.

This week, officials at Harvard are looking to convey the same lessons, though on a larger scale. On Friday and Saturday (Feb. 6 and 7), "Passion for the Arts: Careers in the Arts and Humanities" — billed as a "two-day undergraduate experience" — will offer young students a look at how Shakespeare and Hemingway (or Matisse or Martha Graham) have a rightful place in preparation for the board room or the surgical suite.

"We'd like to offer students some additional ideas about how to build satisfying, worthy, and even successful lives," said Diana Sorensen, Harvard's Dean for the Humanities. (See *Arts*, page 8)



File Kris Snibbe/HNO

**Yo-Yo Ma will take part in the two-day 'experience' called 'Passion for the Arts.'**

'Passion for the Arts' presents a public conversation with President Drew Faust, Stephen Greenblatt, and Yo-Yo Ma at 4:30 p.m. Friday (Feb. 6) in Sanders Theatre.

A panel discussion on careers in the arts and humanities takes place at 11 a.m. Saturday (Feb. 7) in the Science Center.

## The 'iron cold' of winter



Kris Snibbe/Harvard News Office

A phone caller steps briskly through the Yard on one of too many frigid New England afternoons.

## Bridget Jones is on campus, James Dean on his way

*Zellweger gets a Hasty Pudding roast today, Franco on Feb. 13*

"You had me at 'Renée!'"

Renée Zellweger and James Franco have been chosen as the 2009 Hasty Pudding Woman and Man of the Year.

The Woman of the Year festivities will be held Feb. 5 at 2:30 p.m., when Zellweger will lead a parade through the streets of Cambridge. Following the parade, the president of the Hasty Pudding Theatricals, David Andersson '09, and the vice president of the cast, Tom Compton '09, will roast the celebrity and present her with her Pudding Pot at 3:15 p.m. at the New College Theatre, the Hasty Pudding's historic home in the heart of Harvard Square since 1889. After the roast, several numbers



Zellweger



Franco

from the Hasty Pudding Theatrical's 161st production "Acropolis Now" will be previewed at 3:40 p.m. and a press conference will be held at 4:10 p.m. On Feb. 13, the Man of the Year event will take

place. The producers of the Hasty Pudding Theatricals will roast the honoree and present him with his Pudding Pot at 8:10 p.m. at the New College Theatre, prior to the start of the opening night performance of "Acropolis Now." A press conference will be held immediately after the roast at 8:30 p.m.

Zellweger has received nearly every major accolade in the industry, among them an Academy Award, three Golden Globe Awards, two SAG Awards, a BAFTA Award, and a Broadcast Film Critics Award. She is lauded for her talents as a dramatic actress in films such as the critically acclaimed "The Whole Wide World," "Cinderella Man" (with Russell Crowe), and "White Oleander," as well as for her comedic charm in such smash hits as "Bridget Jones's Diary," "Chicago," "Jerry" (See *Hasty*, page 8)

## This month in Harvard history

**Feb. 29, 1672** — President Charles Chauncy dies in office.

**Feb. 10, 1853** — Jared Sparks steps down as President; James Walker, Class of 1814, immediately succeeds him to become Harvard's 18th President.

**Feb. 26, 1862** — President Cornelius Conway Felton dies in office.

**February 1900** — Through the efforts of the Cambridge Cantabrigia Club, the Radcliffe College Scholarship Fund reaches roughly \$2,000.

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

## OBITUARY

### Huntington, political scientist, 81

Samuel P. Huntington — longtime Harvard University professor, influential political scientist, and mentor to a generation of scholars in widely divergent fields — died Dec. 24 on Martha's Vineyard. He was 81.

Huntington had retired from active teaching in 2007, following 58 years of scholarly service at Harvard.

Huntington was the author, co-author, or editor of 17 books and over 90 scholarly articles. His principal areas of research and teaching were American government, democratization, military politics, strategy, and civil-military relations, comparative politics, and political development.

"Sam was the kind of scholar that made Harvard a great university," said Huntington's friend of nearly six decades, economist Henry Rosovsky, who is Harvard's Lewis P. and Linda L. Geyster University Professor Emeritus. "People all over the world studied and debated his ideas. I believe that he was clearly one of the most influential political scientists of the last 50 years."

**For full story,** visit [www.news.harvard.edu/gazette/2009/02.05/99-huntington.html](http://www.news.harvard.edu/gazette/2009/02.05/99-huntington.html).

## FACULTY COUNCIL

At its sixth meeting of the year on Feb. 4, the Faculty Council reviewed the proposed faculty meeting schedule for 2009-10, considered a motion concerning the undergraduate foreign language requirement, received updates on the implementation of the General Education program and January intersession, and discussed the Arts Task Force report and the finances of the Faculty of Arts and Sciences.

The council next meets on Feb. 18. The preliminary deadline for the March 10 faculty meeting is Feb. 23 at 9:30 a.m.

## PRESIDENT'S OFFICE HOURS 2009

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

Monday, March 16, 4-5 p.m.

Thursday, April 23, 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.

## Wintry mix



Katherine C. Cohen/Harvard News Office

The snow keeps piling up this season, making for difficult driving and walking but lovely rooftops.

## POLICE REPORTS

Following are some of the incidents reported to the Harvard University Police Department (HUPD) for the week ending Feb. 2. 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/).

**Jan. 29:** An officer was dispatched to Lavietes Pavilion to take a report of a stolen MacBook Pro laptop. At the Murr Center, officers were dispatched to a report of an unwanted guest. The individual was checked for warrants with positive results and placed under arrest. At Baker Center, the following

items were reported missing: an ID card, Coach key ring, and iPod.

**Jan. 30:** A black Kenneth Cole bag containing a calculator and MacBook Pro laptop was stolen from the Malkin Athletic Center.

**Feb. 2:** At Eliot House, officers were dispatched to a report of a brick thrown through a window. A black wallet containing \$35 in cash, a license, credit cards, and a checkbook was stolen at University Health Services. At Harvard Hall, a brown wallet was stolen containing a license, credit card, and \$10. A passport was stolen from Kirkland House.



**Vice President for Government, Community and Public Affairs:** Christine Heenan  
**Senior Director of Communications:** John Longbrake  
**Director of News and Media Relations:** Kevin Galvin  
**Director of University Communications:** Joe Wrinn  
**Associate Director:** Rebecca Rollins  
**Assistant Director for Photography:** Justin Ide  
**Assistant Director for Publications:** John Lenger

**Editor:** Terry L. Murphy  
[terry\\_murphy@harvard.edu](mailto:terry_murphy@harvard.edu)  
**Associate Editor:** Alec Solomita  
[alec\\_solomita@harvard.edu](mailto:alec_solomita@harvard.edu)  
**Calendar Editor:** Georgia Bellas  
[georgia\\_bellas@harvard.edu](mailto:georgia_bellas@harvard.edu)  
**Editorial Assistant:** Gervis A. Menzies Jr.  
[gervis\\_menzies@harvard.edu](mailto:gervis_menzies@harvard.edu)  
**Editorial Assistant:** Sarah Sweeney  
[sarah\\_sweeney@harvard.edu](mailto:sarah_sweeney@harvard.edu)

**Writers:**  
 Corydon Ireland ([corydon\\_ireland@harvard.edu](mailto:corydon_ireland@harvard.edu))  
 Alvin Powell ([alvin\\_powell@harvard.edu](mailto:alvin_powell@harvard.edu))  
 Colleen Walsh ([colleen\\_walsh@harvard.edu](mailto:colleen_walsh@harvard.edu))

**Special Areas:** B.D. Colen, senior communications officer for University Science ([bd\\_colen@harvard.edu](mailto:bd_colen@harvard.edu))  
 Lauren Marshall, public information officer for Community Programs and University Planning ([lauren\\_marshall@harvard.edu](mailto:lauren_marshall@harvard.edu))

**Chief Photographer:** Justin Ide ([justin\\_ide@harvard.edu](mailto:justin_ide@harvard.edu))  
**Photographers:** Jon Chase ([jon\\_chase@harvard.edu](mailto:jon_chase@harvard.edu))  
 Rose Lincoln ([rose\\_lincoln@harvard.edu](mailto:rose_lincoln@harvard.edu))  
 Stephanie Mitchell ([stephanie\\_mitchell@harvard.edu](mailto:stephanie_mitchell@harvard.edu))  
 Kris Snibbe ([kris\\_snibbe@harvard.edu](mailto:kris_snibbe@harvard.edu))  
 Katherine C. Cohen (*intern*)

**Imaging Specialist:** Gail Oskin  
[photo\\_services@harvard.edu](mailto:photo_services@harvard.edu)/(617) 495-1691

**Web:** <http://www.harvard.edu>  
**Web Production:** Peggy Bustamante, Max Daniels  
**Contact:** [webmaster@harvard.edu](mailto:webmaster@harvard.edu)

**Department Administrator:** Robyn Lepera

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

**Address Changes: Harvard Gazette**  
 Attention: Circulation, Holyoke Center 1060  
 Cambridge, MA 02138  
 Periodical postage paid at Boston, MA.  
 Harvard University Gazette (issn: 0364-7692) is published weekly October, February, April, and May; three times in September, November, December, and March; two times in June by the Harvard University Office of News and Public Affairs, Holyoke Center 1060, Cambridge, MA 02138.  
**Office of News and Public Affairs:** (617) 495-1585  
**News Office Fax:** (617) 495-0754  
**Calendar Fax:** (617) 496-9351



# Daffodil Days give beacon of hope

With months until spring's anticipated return comes a beacon of yellow hope. Daffodils are an invigorating component in the American Cancer Society's (ACS) efforts, and Harvard is again a key participant in Daffodil Days, the ACS's annual flowery fight to help patients and eradicate cancer.

Beginning this month, Harvard celebrates its 22nd year participating in the Daffodil Days fundraiser, having contributed more than \$528,000 since the event's inception in 1988. Faculty, staff, and students can order a \$10 bouquet of 10 flowers, three potted multi-stem bulbs for \$15, or purchase a bouquet and collectable Boyds Bear for \$25. The last day to purchase items is Feb. 27.

The daffodils will be delivered via University Mail Services on March 16 to five local hospitals: Cambridge, Mount Auburn, and Youville hospitals; the Sancta Maria Nursing Facility; and the Dana-Farber Cancer Institute.

Daffodil Days at Harvard attributes its success to the prior leadership of Rita Corkery, former associate director of Community Affairs, who began Daffodil Days at Harvard in 1988 and was a survivor of breast cancer, and more recently, Carole Lee, a former department administrator for Government, Community and Public Affairs, who retired in 2002. Both women helped jump start the program and brought it to the success that it is today.

Last year's contribution reached more than \$53,000 — a generous growth spurt compared to 1988's inaugural tally of \$2,500. ACS honored Harvard as the top university seller in 2008, which is also the first year Harvard surpassed the \$50,000 mark.

Top sellers for 2008 included Maura Kelley from the Law School (\$4,655), Peter Conlin from the Development Office (\$4,155), and Martha Foley from the Kennedy School (\$2,675).

To locate your departmental coordinator or to volunteer, contact Julie Russell in the Office of Government and Community Affairs at (617) 495-4955 or [julie\\_russell@harvard.edu](mailto:julie_russell@harvard.edu).

*Electroacoustic music has a special home in Paine Hall  
presided over by a world-renowned composer*



Stephanie Mitchell/Harvard News Office

Hans Tutschku works intently in the Harvard University Studio for Electroacoustic Composition, which he directs. Tutschku has been composing in the genre since 1982.

## A visit with musician Hans Tutschku

By Emily T. Simon  
FAS Communications

Up in the eaves of Paine Music Hall, professor of music Hans Tutschku is hard at work composing in a setting that would make Mozart's head spin. The space is small but packed with equipment: computer monitors, eight loudspeakers, a turntable, and several mixers and synthesizers with enough levers to land a 747.

**faculty profile** "Welcome to the studio," Tutschku says, a shy smile on his face.

The Harvard University Studio for Electroacoustic Composition (HUSEAC) is a collection of four sound-production rooms, all equipped with cutting-edge technology. Undergraduates enrolled in special seminars and grad students in the music program can use the HUSEAC facilities to develop and edit compositions.

Electroacoustic music blends innovative electronic sounds with recordings of traditional acoustic instruments. The pieces are then performed on a complex loudspeaker system. Tutschku, director of the HUSEAC, has been composing in the genre since 1982. His arrival at Harvard in 2004 marked the regeneration of HUSEAC and the beginning of a new chapter in the long, storied history of the Music Department.

Tutschku, 43, was born and raised in Weimar, East Germany. From his earliest days, he enjoyed a home filled with music; both of his parents played stringed instruments. Tutschku added his own touch to the domestic euphony when he began to study piano at the age of 6. He also became interested in drama, and at age 13 joined the youth acting group affiliated with the Weimar Theater.

"Acting was an excellent second track for my artistic education, and it had a great influence on many of the things I do today in terms of trying to bridge the borders of art forms," Tutschku says.

In 1982, while he was in high school, Tutschku met Michael von Hintzenstern, leader of a four-musician group called the Ensemble für Intuitive Musik. The ensemble performed "intuitive music" by composer Karlheinz Stockhausen, who gave his musicians just a text — no score — and encouraged them to perform based on their own interpretive understanding.

When Von Hintzenstern asked him to join the group as a keyboardist, Tutschku readily agreed. He also began working with live electronics and synthesizers to transform the sound of the ensemble as it was produced, although he did not have much experience with the technology.

"I simply learned as I went along," says Tutschku.

He must have learned quickly, because he began regular performances with the ensemble soon thereafter — and still plays with them today.

In the ensemble's early years, the musicians often explored subjects that the German Democratic Republic considered taboo. Nonetheless, the ensemble garnered a great following among the citizens of East Germany. Since reunification, the ensemble has performed in more than 30 countries throughout the world. In addition to Tutschku, who now focuses almost exclusively on electronics, the group includes a trumpet player, a cellist, and a pianist. They perform about 10-15 concerts per year, reuniting for intensive rehearsal periods beforehand.

"It is such an important experience to play with the same musicians for a long time and get to know each other well," Tutschku says. "Music making is a conversation, and familiarity with fellow musicians enables you to go in directions that are sometimes not possible with people you have just met."

Tutschku came to Harvard in 2004, after two decades of teaching, composing, and performing in Europe. His first task in Cambridge? Build a state-of-the-art electro-

acoustic studio in a building more than a century old.

At the time, Harvard was no stranger to the use of technology in music composition. In 1968, the University opened the Harvard Electronic Music Studio (HEMS), which focused on live electronic processing in performance. The Harvard Computer Music Center (HCMC) opened in 1994 to provide a venue for the "teaching of analog studio techniques within the computer realm." The studio envisioned by Tutschku, however, would take the use of technology in music to an entirely new level.

It took more than 18 months to complete, but HUSEAC finally opened its doors in the spring of 2006.

"It was such an involved project," Tutschku says. "My colleagues and I ran all kinds of acoustical tests to ensure that sound would not leak from the studio into the performance space below, and vice versa."

Two of the studios are entirely uncoupled from the rest of the building, in terms of vibration. This is achieved by an elaborate spring system that supports the concrete floors, so that the studio is essentially a suspended cage. All rooms are equipped with muffled air-conditioning, and there are sound-dampening materials on the walls, ceiling, and floor. Composers can close the door and enjoy a perfectly quiet atmosphere.

Many students have taken advantage of the HUSEAC, primarily through Tutschku's composition courses. These are open to all undergraduates and graduates, regardless of musical experience or background.

"Electronic music is totally new for many of these students," he says.

Tutschku's assignments reflect his commitment to encouraging creativity and self-expression. He asks undergraduates to take portable recording gear out into Cambridge and beyond, to discover their own material as they familiarize themselves with the technology. For another assignment, he requests

(See **Tutschku**, next page)

## NEWSMAKERS

### HSPH's David Bloom chosen for global health research group

Renowned health economist and demographer **David Bloom**, chair of the Department of Global Health and Population at the Harvard School of Public Health and Clarence James Gamble Professor of Economics and Demography, has been selected to join a group of 25 ambassadors in the Paul G. Rogers Society for Global Health Research with Research!America. The experts will assist in the effort to build a national conversation around the value and importance of U.S.-funded global health research.

Bloom has served as a consultant to the United Nations Development Programme, the World Bank, the World Health Organization, the International Labor Organization, the National Academy of Sciences, and the Asian Development Bank. His current research interests include labor economics, health, demography, and the environment.

### Four students to attend Clinton Global Initiative Conference

Harvard University students **Lizzy Majzoub '10**, **Lucy Claire Curran '11**, **Helen Strom '11**, and **Elizabeth Powers '10** are among 1,000 student volunteers selected to attend the prestigious Clinton Global Initiative University (CGI U) conference in Austin, Texas. The students, who are volunteers of National Student Partnerships (NSP) — an organization dedicated to combating poverty — will attend on behalf of NSP's local Cambridge chapter.

The conference, to be held Feb. 13-15, is the second annual meeting of international student leaders dedicated to taking action on college campuses against the world's most pressing problems. Founded in 2005 by former President Bill Clinton, the Clinton Global Initiative has raised billions of dollars worldwide to improve the lives of people in more than 150 countries.

Last fall, **Lekha Tummalapalli '09** received an Outstanding Commitment Award and grant from CGI U. The grant, which helped to fund Harvard's Housing Opportunities Program, provides 100 no-interest loans of \$500-\$1,000 to clients in danger of eviction from their homes.

### Hoja de Laurel de Oro Award to Barbara and William Fash

Harvard professors **Barbara Fash** and **William Fash** have been jointly honored with the Hoja de Laurel de Oro, the prestigious lifetime achievement award given by the government of Honduras. The award, which recognizes the couple's 30-plus years of service in preserving and documenting Honduras' cultural heritage, was presented at the Casa Presidencial in the capital city, Tegucigalpa. The award was conferred by the minister of culture and the arts, and the Office of the President. Other recipients ranged from poets, dance troupes, Miskito Indians, the Spanish Cultural Affairs office, and the board of the Honduran Museum of Man.

The William and Muriel Seabury Howells Director of the Peabody Museum, William Fash is also Bowditch Professor of Central American and Mexican Archaeology and Ethnology in the Department of Anthropology. Barbara Fash is director of the Corpus Maya Hieroglyphic Inscriptions Program at the Peabody Museum.

— Compiled by Gervis A. Menzies Jr. and Sarah Sweeney

# Dunster House composer-in-residence 'Charley' Kletzsch dies at 82

By Sarah Sweeney  
Harvard News Office

Charles F. "Charley" Kletzsch, Dunster House composer-in-residence for more than 50 years, died Jan. 15.

Kletzsch was a well-known fixture at Harvard, recognized for his inspiring and unusual way of life. Born in Milwaukee on April 4, 1926, Kletzsch entered Harvard College when he was just 16. He left college life to pursue music at the conservatory level, but returned five years later to complete his A.B. in 1951, after which he moved into Dunster House as a librarian. After earning an A.M.

in music in 1953, Kletzsch remained at Dunster as a tutor before being named composer-in-residence. Shunned by his family for wasting his time with music, he lived in a small "secret room" in the Dunster House library, subsisting on a yearly salary of \$1,000 until around his 40th birthday when he was bequeathed money by relatives.

With newfound monetary freedom, Kletzsch indulged his love of travel — yet he always returned to Harvard. In a 1990 interview with *The Harvard Crimson*, he said, "I sat down to write a poem at the Alhambra in Granada, and what I wrote about was the students of Dunster House."

"He used to pick out students to read his

poetry at concerts," recalls Andrew Goodridge '93. "I remember him saying to them, 'If the Royal Shakespeare Company offered to read these poems, I would say no, because I want you guys to read them.'"

Kletzsch retired from Dunster House in 2002. During his farewell ceremony, former students and friends remarked on his life's achievements — how, for example, he was spurred to take up the cello, though he was 65 at the time.

"His goal was only to play 'simple phrases beautifully,'" says Goodridge.

"He was thoughtful and gentle," recalls Betty McNally '86, former Dunster House administrator. "Dapper," she adds, remem-

bering his Lucite cane.

Goodridge recalls visiting Kletzsch in the nursing home and playing Mozart sonatas. "Whenever possible, we would take a walk outside," he says. "He was fascinated with nature and would stop to look at every flower, every leaf. That's what was so special about Charley, he found beauty in things that the rest of the world seemed to overlook."

This fascination sustained Kletzsch throughout his life — even during the frugal years; he told the *Harvard Crimson*. "I learned that only two things really matter: love and beauty."

A service for Kletzsch was held on Jan. 20.

## Tutschku

(Continued from previous page)

that students write a short story and then tell it with recorded sounds.

Once the compositions are finalized, Tutschku teaches the students how to play them on Hydra, a 32-loudspeaker sound system that can be set up in Paine Hall or in other venues on and beyond campus.

"Certain speakers have different sound types and specific roles, much like instruments in an orchestra," says Tutschku. "When the student diffuses the piece over the speakers, he or she becomes composer and conductor simultaneously."

Though he spends a great deal of time introducing students to the marvels of HUSEAC, Tutschku also finds space in his schedule to develop his own compositions. He is a highly prolific artist, having produced 50 works since 1986. His repertoire covers a range of genres, including electroacoustic and acoustic compositions, works for film and theater, sound installations, and multimedia projects. He has received many awards including first prize at the international *Musica Nova* competition (2006) and the culture prize of the city of Weimar (2005).

Tutschku's most recent work is "Zwei Räume," or "Two Spaces," a 24-channel electroacoustic composition that was performed at the Festival Inventionen of the Technische Universität Berlin, 2008.

For inspiration, Tutschku draws on poetry, turning often to Austrian expressionist Georg Trakl or lyric poet Karl Lubomirski.

With nearly three decades of international concert experience under his belt, Tutschku has found that there are "clear differences" in how various cultures perceive contemporary music.

"In South America, there is no big difference between 'Bach' and 'Tutschku' because it is all not 'their' music. The audience is open to experiencing new art," he says. "But in Europe, the response is often more intellectual. Audiences try to classify what kind of piece they are listening to, to put it in a box and then approach it."

The age of the listener, however, seems to have little bearing on how he or she will respond to Tutschku's compositions. He shares an anecdote from the mid-1980s, when he was playing in a church in Germany and saw an old woman sitting in the first pew.

"For a fraction of a second, I thought she might have mixed up the concert dates," he says. "But after the performance, she came up to me, looked me in the eye, and said, 'Thank you so much. Now I am ready to die.'"

"I was completely distraught," Tutschku recalls, "and immediately asked her why."

"Now I know what music will sound like in the next century," she replied.

"I was so touched and moved, but also ashamed because I had assumed incorrectly that she wouldn't enjoy the concert," Tutschku says. [esimon@fas.harvard.edu](mailto:esimon@fas.harvard.edu)

## Financial aid leads to record applicant pool at College

More than 29,000 students have applied to Harvard for entrance next September, exceeding last year's record of 27,462 and the previous record of 22,955, set the year before. In the face of an unprecedented economic downturn, financial aid has proven to be a crucial element in encouraging so many students to apply.

"Financial aid has never been more important to those we hope to attract to Cambridge," said William R. Fitzsimmons, dean of admissions and financial aid. "Thanks to the leadership of Michael Smith, dean of the Faculty of Arts and Sciences, and President Drew Faust, and their unwavering commitment to our new financial aid program, many of the nation's — and the world's — best students responded to the clear message that Harvard remains open to talented students from all economic backgrounds."

Almost 78 percent of this year's applicants will apply for financial aid, compared with 73 percent last year. Harvard's financial aid program, which was phased in over the past few years, requires no contribution from families with annual incomes below \$60,000 and approximately 10 percent of income from families who make up to \$180,000, assuming they do not have unusual assets.

"Financial aid applications are reviewed with great care, taking into account not only income, but a detailed analysis of the family's total financial strength," said Sarah C. Donahue, director of financial aid. "Families with the same nominal income often vary a great deal from one another in their need, especially in these difficult economic times," she said.

Two other features of the new financial aid program are helpful to needy families: the elimination of loans for students and the removal of home equity from the determination of financial aid. Harvard reassesses students' needs each year, and financial aid officers provide individual counseling to students and their families.

Other factors may also have contributed to the increase in applications. The elimination of early admission last year was accompanied by a nearly 20 percent rise in applications, and this year's jump is another indication that it is beneficial to have more time to recruit in the fall and early winter, the latter a time Harvard



High school student Lydia Qualls looks over a Harvard information packet as she attends one of the Admissions Office's joint outreach travel tours.

staff were previously off the road conducting early admission meetings. "Over 1,500 parents and students came to the presentation we made in Washington, D.C., with Princeton and the University of Virginia, two other institutions that gave

### audio slides

#### Beyond early admissions

[http://www.hno.harvard.edu/multimedia/fla sh/ss\\_071205admissions.swf](http://www.hno.harvard.edu/multimedia/fla sh/ss_071205admissions.swf)

up early admission," said Marlyn E. McGrath, director of admissions. "Attendance was also robust at joint travel events conducted in 120 locations throughout the United States in the spring and fall with Duke, Georgetown, Penn, and Stanford," she said.

"Demographic factors are often cited in speculation about application patterns, but the overall population of American high school seniors will vary relatively little in the next decade," said Fitzsimmons. The number of high school seniors will decline slightly from 3.32 million to 3.18 million in 2014 but will return to 3.31 million in 2019. There are significant differences regionally and among states, however, with declines in the Northeast contrasting with significant increases in such states as Florida and Texas. "Future application patterns will also depend on the demand for higher education. Economic factors may affect demand greatly, and an increasing number of students in the next decade and beyond will come from less affluent families who will need to be encouraged to consider higher education. Unless we are successful in reaching out to them, our nation will not realize its full potential," said Fitzsimmons.

Men comprise 50.7 percent of the pool, women 49.3 percent. While geographic data is still incomplete, the numbers of students from the Greater Boston area and Massachusetts have risen as have those

from the areas in the mid-Atlantic region where joint recruitment programs with Princeton and the University of Virginia were particularly effective. The South and the West had modest increases while there were slight declines in some parts of the Northeast.

The recorded numbers of minority students will rise as applications are evaluated by admissions officers, but the numbers of African-American, Asian-American, and Latino students already exceed last year's total. "We are very grateful to the students who lead our Undergraduate Minority Recruitment Program (UMRP) and to the many alumni/ae volunteers who assist us throughout the country," said Roger Banks, director of recruitment.

"Over the summer, our students who recruit for the Harvard Financial Aid Initiative (HFAI) worked side by side with UMRP reaching out to students with family incomes under \$60,000 and \$80,000. We are greatly encouraged by the results of their efforts," added Melanie Brennand Mueller, director of the HFAI program.

"We have a remarkable team of staff members who have made it possible for us to cope with record numbers of applicants and financial aid recipients in recent years," said Fitzsimmons. Admissions and financial aid officers are hard at work reading applications in preparation for the admissions selection meetings that begin on Jan. 30 and conclude on March 20. Notification letters to all applicants will be mailed on March 31, and e-mails will be sent later that day to those who request this additional form of notification.

"We are in the midst of planning an exciting Visiting Program for admitted students that will extend from Saturday, April 25, until Monday, April 27," said James Pautz, director of the Freshman Visiting Program. Admitted students have until May 1 to make their final college selections.

# Summer School's revised calendar begins June 22

In response to the impending changes to the Harvard academic calendar, particularly in light of the limited summer weeks in 2009, the Harvard Summer School has revised its calendar for 2009.

The dates for the summer session in 2009 are June 22 through Aug. 7.

In 2009, the Harvard Summer School calendar will feature:

■ A single seven-week term, including final examinations, which will accommodate both four- and eight-credit courses.

■ A revised class meeting schedule in which there will be the same or an increased number of instructional hours for each course.

■ Generous blocks of assigned classroom times, providing instructors with flexibility for arranging class meetings, discussions, film viewings, breaks, and trips.

■ Courses that previously met for two and a half hours will now have scheduled meeting

## Harvard announces coordinated academic calendar,

www.hno.harvard.edu/gazette/2008/02.07/99-calendar.html

times of three hours. Eight-credit courses (intensive sciences, languages, math, etc.) will have the entire day at their disposal for instruction.

■ A reading period of four to six days for most courses and as much as a week for preparation of writing assignments and final projects.

The changes have been made in consultation with Harvard Summer School teaching

and administrative staff and have taken into account the nature of the summer school program, its student constituencies, and its reliance on Harvard College facilities. Foremost in the Harvard Summer School's considerations has been the goal of continuing to offer a broad array of rigorous and challenging courses.

Given the School's dependence on Harvard College facilities, this schedule permits the School to coordinate its activities closely with those of the College and the Faculty of Arts and Sciences. This calendar responds to the unique constraints of summer 2009 in which there will be a June Commencement and earlier start date for the fall term. After the Harvard calendar has stabilized in its new format, the Harvard Summer School will review its schedule for subsequent summer terms.

## IN BRIEF

### Harvard joins Newberry Consortium in American Indian Studies

Harvard University is the most recent member of the Newberry Consortium in American Indian Studies (NCAIS). The NCAIS, inaugurated in June 2008 by the Newberry Library in Chicago, is composed of 10 research universities that have faculty expertise in the field of American Indian Studies. Harvard was inducted Dec. 1.

Membership in the consortium enables Harvard faculty and graduate students to draw on the resources of the Newberry Library, including the D'Arcy McNickle Center for American Indian History. Opportunities for workshops, symposiums, conferences, institutes, and fellowships will be available beginning July 2009.

Other member institutions include the University of British Columbia, Cornell University, Miami University (Ohio), the University of Minnesota, the University of Montana, the University of North Carolina, Chapel Hill, Princeton University, Vanderbilt University, and the University of Wisconsin, Milwaukee.

Support for Harvard's membership is provided by Diana Sorensen, dean of the arts and humanities for the Faculty of Arts and Sciences (FAS), and Stephen Kosslyn, dean of social science for FAS. Students and faculty interested in consortium opportunities should contact Malinda Maynor Lowery, assistant professor of history, at maynor@fas.harvard.edu.

### Lester Kissel Grants in Practical Ethics available to undergrads

The Edmond J. Safra Foundation Center for Ethics encourages Harvard College students to apply for Lester Kissel Grants in Practical Ethics to support research and writing that makes contributions to the understanding of practical ethics. A number of grants will be awarded on a competitive basis for projects to be conducted during the summer of 2009. The projects may involve research for senior theses, case studies for use in courses, essays or articles for publication, or similar scholarly endeavors that explore issues in practical ethics.

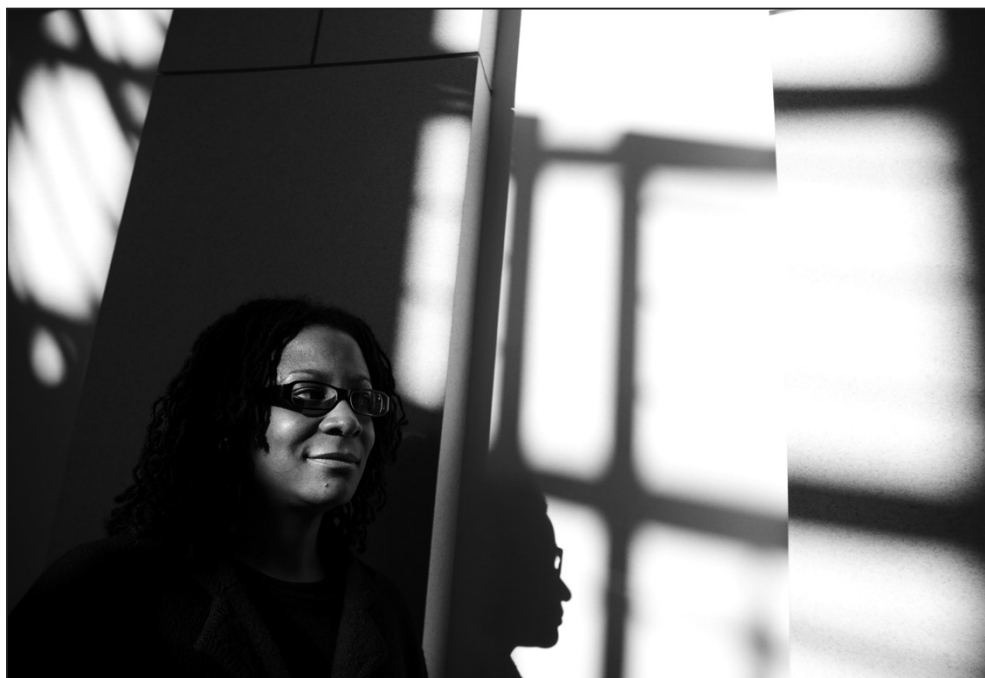
Grant recipients will be awarded up to \$3,000, which can be used to cover expenses or as a stipend to enable recipients to pursue research in lieu of summer employment. Applications should include a description of the project and the applicant's preparation for the project, a statement of the project's potential value to the student and to the understanding of practical ethics, and a proposed budget.

The deadline for receipt of applications is March 16. For further information, contact Stephanie Dant at (617) 495-1336, or e-mail stephanie\_dant@harvard.edu.

The Kissel Grants in Practical Ethics are made possible by a gift from the late Lester Kissel, a graduate of Harvard Law School and longtime benefactor of Harvard's ethics programs and activities.

— Compiled by Gervis A. Menzies Jr. and Sarah Sweeney

Send news briefs to gervis\_menzies@harvard.edu



Stephanie Mitchell/Harvard News Office

Kim M. Williams set out to measure how 'black elites' were coping with the dramatic population growth of Latinos in the United States.

# 'Nation-shaking' racial, ethnic changes

By Corydon Ireland  
Harvard News Office

Real earthquakes are slow to build and fast to erupt. Other, metaphorical, quakes, can follow the same pattern — and be just as earthshaking.

Take the demographics of race, for one. By the year 2040, whites will no longer make up the majority of U.S. citizens. They'll be surpassed in numbers by a steady percentage of blacks, a modest growth in Asians, and — most of all — by a booming rise in Latinos.

By 2100, the percentage of American whites will shrink dramatically, according to U.S. Census Bureau projections. Whites, about 70 percent of the population now, will get whittled to just 40 percent.

This kind of rapid, nation-shaking demographic change captivates Harvard Kennedy School political scientist Kim M. Williams, an adviser to the U.S. Census Bureau and a Radcliffe Fellow this year.

In a lecture at Radcliffe Gymnasium (Dec. 17), the HKS associate professor of public policy hoped that some enterprising scholar would write a book on how whites will be affected by the rise of Latino political power.

But Williams has another book in mind. It was inspired by a demographic fact, not a demographic projection. In 2007, she noted, the number of U.S. Latinos edged past blacks for

the first time. Latinos became, in effect, America's majority minority.

When this shift happened, Williams was busy on another book. But she scratched out a note to herself and carried it around for months. It read: "What happens when blacks are no longer at the center of civil rights enforcement?"

That question simmered. "We're moving away from the black-white divide," Williams told her pre-break Radcliffe audience of about 80. With Latinos on a demographic fast track, she said, "you can't really study race in the way you did even 15 years ago."

But what will replace the black-white divide? How will jostling racial groups react to one another in a changing political environment?

In her next book, Williams is investigating some of those questions. "Transition: The Politics of Racial and Ethnic Change in Urban America" explores how blacks are coping with the rise of Latino political power.

The challenge from Latinos comes at an awkward time. In some urban centers, blacks had only recently challenged white dominance to become politically ascendant. Now another racial challenge is at hand, making it possible that — in political terms — urban blacks face successive domination.

Williams set out to measure how her self-defined "black elites" were coping with emergent Latinos. In the summer of 2007, she

oversaw an ambitious data-gathering project by nine graduate students in the same number of cities. Using uniform questionnaires, they surveyed 346 black leaders from the influential worlds of politics, business, and religion.

Interviews are still being transcribed, and data points encoded. But preliminary results show that most blacks already think they are being "displaced" by Latinos, said Williams.

That's true, complained one black respondent from Los Angeles. "The minority discourse is about Latino immigrants right now."

Williams cast a wide net for her interviews, choosing cities where Latino demographic pressures vary and where blacks had already made significant political inroads: Paterson, N.J., and Hartford, Conn., in the Northeast, Detroit in the industrial heartland, North Miami in the Latinized South, and other cities: Birmingham, Ala., Memphis, Tenn., Houston, Los Angeles, and Oakland, Calif.

Williams wants to open up new scholarly ground. Conceptually, she said, no one is looking at how black political elites might be displaced by Latinos. And political science scholarship offers few theoretical models to assess racial and ethnic change in the political arena.

But she found inspiration in one older book: Peter Eisinger's 1980 study of racial and

(See *Williams*, next page)

## Williams

(Continued from previous page)

ethnic transition in three American cities, "The Politics of Displacement."

Eisinger looked at how "Yankees" in Boston were displaced by the Irish from 1880 to 1930. He also examined two 1973 mayoral elections that broke race barriers: wins by Maynard Jackson in Atlanta and by Coleman Young in Detroit.

Eisinger's concept of "dislocation domains" for white elites helped Williams study the similar pressures now being felt by black elites.

Dislocation can be demographic, as when Latinos simply outnumber blacks. Dislocation can also be political, economic, or even symbolic — as in how "the same vocabulary" of emergent racial political power is expressed in different ways, said Williams.

She showed two contrasting covers from Newsweek magazine. One from 1970 pictured three gruff Black Panthers in leather jackets — "the face of black power," said Williams. The other, from 2005, pictured Los Angeles' new Latino mayor, smiling and suit-clad.

Williams also looked at Eisinger's idea that displaced whites used "modes of adjustment." That helped, but she decided that the differences between adjustments by black and white elites were simply too great.

In the 1970s, for instance, one "mode of adjustment" for whites was urban white flight — "withdrawal," in Eisenberg's terms. Blacks don't typically have that choice, said Williams.

In addition, whites conceded part of the political arena in some cities decades ago, she said, but they kept control of the economic sphere — something blacks had never controlled to begin with.

In short, said Williams, blacks may be "the newly dislocated" in American politics, but they "don't have the same range of options" for coping with that dislocation because of an emergent political force.

The shortcomings of the Eisinger model left Williams hunting for her own scholarly framework.

She settled on a model that uses preferences in immigration policies as a proxy for the "strategic adjustments" blacks have to make in the face of political challenge from Latinos. "You can't understand race," said Williams, "unless you understand immigration."

Expectations of how well blacks and Latinos will get along is partly a matter of geography, she said — dependent on where Latinos are in the majority already (Los Angeles) and where they are not (Detroit).

But it's already evident, said Williams, that blacks have a more liberal view of interracial cooperation in the political sphere than whites do.

Immigration policy preferences divide people into four categories, she said, ranging from very liberal "cosmopolitans" (in favor of Latino entry and rights once they get here) to the deeply conservative "classical exclusionists" (no entry, no rights).

But many blacks fall into a category Williams calls "egalitarian nationalists." They don't like the idea of open borders, or of Latinos taking their jobs. But they bristle at the idea of denying anyone rights once they get to America.

"A lot of black people are in that space," said Williams. "When you start talking about second-class citizens — black people are not really down with that."

Her line drew a laugh. But Williams likes the idea of using immigration attitudes as a way of getting to the "ideological commitments" those attitudes reveal.

The black-white political divide is disappearing as the sole way of interpreting the political landscape — in part because of Latino demographics. That fascinates Williams as a scholar, but she wonders: What's next?

One clue, said Williams, is in how black Americans respond to the rise of Latino power and influence.

corydon\_ireland@harvard.edu

## Forum to learn about financial resources

The Harvard Financial Resources Forum, sponsored by Harvard Human Resources and Harvard Medical School, is a chance for employees to learn about the financial resources provided by Harvard. Today (Feb. 5) from 9 a.m. to 2 p.m., financial advisers as well as representatives from Harvard's retirement/TDA vendors, local banks, mortgage companies, and on-campus service providers will be available to answer questions.

The forum will be at the Joseph B.

Martin Conference Center amphitheater (77 Ave. Louis Pasteur, Boston) at 9:15, 10:15, and 11:15 a.m., and at 12:15 p.m., with a question-and-answer period following each session. Attendees are asked to bring any questions regarding financial matters, including banking, debt, benefits, and other financial concerns to the representatives from participating organizations during the forum. No RSVP is necessary and walk-ins are welcome.

## Tambiah unveiled



Harvard Foundation Director S. Allen Counter (center) unveils the Steven Coit '71 portrait of Stanley J. Tambiah, the Esther and Sidney Rabb Research Professor of Anthropology Emeritus, as Tambiah (left) and South Asian Association member Alexandra Rahman '12 look on. The event took place on Jan. 23 in Kirkland House.

## Truong new assistant director of Harvard Foundation

Loc V. Truong has recently been appointed assistant director of the Harvard Foundation. Truong, a former administrative fellow in the Office of the Associate Vice President Administrative Fellows Program (AFC), has served as assistant director of employer relations at the Harvard Graduate School of Education (HGSE) for the past three years. Truong will assist the director of the Harvard Foundation in conducting race relations programs throughout the College and will coordinate the foundation's Race Relations Advisers and Tutors program in the Harvard College Houses.

"Loc Truong comes to us with considerable experience in student affairs and a strong commitment to improving intercultural and race relations," said S. Allen Counter, director of the Harvard Foundation. "The students and faculty of the Harvard Foundation and I are delighted to have him join the foundation and its vital mission of improving intercultural and racial understanding in our community of scholars."

Truong has more than 10 years of experience working in a variety of educational settings. He has mentored teen fathers in a parenting education program, and worked as a counselor with both Upward Bound and GEAR UP, organizations that support and prepare first-generation low-income high school students for college. In 1999, as a featured guest

both for the State of the Union address and for a special event at the White House, Truong was recognized by President Clinton and first lady Hillary Clinton for his volunteer work with AmeriCorps National Service. In his previous position as assistant director of employer relations, Truong worked closely with employers in various education industries, helping them strategize re-



Truong

cruiting methods and connecting them with the GSE community. He also worked closely with graduate students and alumni, guiding them in their job searches and managing career expos. Hailing from California, Truong received his M.S. degree in school counseling from University of LaVerne and his B.S. degree in biochemistry from California Polytechnic State University.

"I am honored and excited to be joining in the work of the Harvard Foundation," Truong said. "I have a long-standing and very passionate interest in issues of educational access and diversity, and I look forward to working with Harvard students, and with Dr. Counter and other faculty, to strengthen the foundation and further its mission."

## SPORTS WRAP-UP

### Men's Basketball (9-1, 1-3 Ivy League)

L Pennsylvania	60-66
L Princeton	71-77

### Women's Basketball (10-7, 2-1 Ivy League)

W at Pennsylvania	72-63
W at Princeton	82-73

### Men's Fencing (8-5)

MIT Duals	
W Yeshiva 25-2, W Haverford 16-11,	
W Duke 15-12	

### Women's Fencing (14-1)

MIT Duals	
W Yeshiva 25-2, W Haverford 21-6,	
W Duke 18-9	

### Men's Hockey (5-12-4; 5-6-4 ECAC)

W Union	3-1
57th Men's Beanpot at TD Banknorth Garden	
L Boston University	3-4

### Women's Hockey (11-7-3; 10-4-2 ECAC)

W at Union	5-1
W at Rensselaer	5-4
31st Women's Beanpot at Northeastern	
W Boston University	8-0

### Men's Swimming (6-1, 6-1 Ivy League)

X Princeton	160-193
W Yale	251-102

### Women's Swimming (6-1, 6-1 Ivy League)

L Princeton	148.5-170.5
W Yale	232-87

### Men's Volleyball (1-1)

L Springfield	2-3
W Stevens Institute	3-1

### Wrestling (1-8)

L at Boston University	8-40
------------------------	------

## UPCOMING SCHEDULE

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

#### Friday, Feb. 6

M Basketball	<b>Yale</b>	7 p.m.
W Basketball	Yale	7 p.m.
M Hockey	Yale	7 p.m.
W Hockey	<b>Yale</b>	7 p.m.
M Volleyball	<b>NYU</b>	7 p.m.

#### Saturday, Feb. 7

M Basketball	<b>Brown</b>	7 p.m.
W Basketball	Brown	4 p.m.
W Hockey	<b>Brown</b>	4 p.m.
M Squash	Penn	1 p.m.
W Squash	Penn	1 p.m.
T & F	<b>Battle of Beantown</b>	11 a.m.
M Volleyball	<b>East Stroudsburg</b>	4 p.m.
Wrestling	Penn	noon
Wrestling	Princeton	5:30 p.m.
Ski	University of Vermont Carnival	TBA

#### Sunday, Feb. 8

M Fencing	Ivy Champ. P1: Princeton	11 a.m.
M Fencing	Ivy Champ. P1: Yale	2:45 p.m.
M Fencing	Ivy Champ. P1: Columbia	4:30 p.m.
W Fencing	Ivy Champ. P1: Princeton	11 a.m.
W Fencing	Ivy Champ. P1: Cornell	1 p.m.
W Fencing	Ivy Champ. P1: Yale	2:45 p.m.
W Fencing	Ivy Champ. P1: Columbia	4:30 p.m.
W Squash	Princeton	noon

#### Monday, Feb. 9

M Hockey	Beanpot (consolation): BC	5 p.m.
----------	---------------------------	--------

#### Tuesday, Feb. 10

W Hockey	Beanpot (champ.): BC	8 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.

Crimson junior defenseman Ian Tallett (No. 8) fends off a BU player while goaltender Matt Hoyle '12 sprawls in the crease for backup. Hoyle finished the game with 30 saves and was named the ECAC Rookie of the Week.



Jon Chase/Harvard News Office

## Beanpot semis: Deal and no deal

*Crimson men fall short; women advance to final*

By Gervis A. Menzies Jr.  
Harvard News Office

While the figures on the videoboard at the TD Banknorth Garden stood at 00:00, for a crowd of 17,565 hockey fans, time itself seemed to stand still.

The Garden was silent with anticipation, as everyone in the arena breathlessly waited to find out if Crimson junior defenseman Alex Biega's goal — which would have tied the game at four goals apiece — passed Boston University (BU) goaltender Kieran Millan before time expired. Although initially called a goal, game officials consulted with the replay booth to make sure the call should stand.

Minutes later, BU Terrier hockey players and fans burst into celebration, as Biega's goal was called off, foiling the Crimson's bid to upset the No. 1 men's hockey team in the country.

Just eight minutes and 19 seconds into the game, "Ten Thousand Men of Harvard" rang loud, proud, and in tune from the Stadium's upper balcony, courtesy of the Harvard University Band. The Harvard fight song celebrated Crimson sophomore forward Michael Biega's fourth goal of the season, and a 1-0 lead over BU, who just hours before was named the nation's new No. 1-ranked team.

The second period started with another Crimson goal, from freshman forward Alex Killorn, on a 5-on-3 power play to extend Harvard's lead to 2-0.

But determined to respond to adversity like a top-ranked team should, the Terriers barked back with two second period goals, erasing Harvard's hard-earned lead.

Continuing to play with a hot stick, BU scored again at the third period's 11:25 mark, giving the Terriers their first lead of the game. And despite Pier-Olivier Michaud '11 scoring his fourth goal of the season to tie the game once again, a crucial hooking penalty with just over two minutes remain-



Rose Lincoln/Harvard News Office

**Sarah Vaillancourt '09 slaps in one of her three goals on the evening. The Crimson forward recorded her eighth career hat trick and the second in the past four games.**

ing in the game put the Crimson down a man and vulnerable to BU's potent power play attack. The Terriers quickly converted, going up for good, 4-3.

Despite falling short against BU (20-5-1) — who owns the most tournament championships amongst the four Beanpot teams (24) — if there is such thing as a moral victory, the Crimson surely earned one.

"[BU's] a tremendous hockey team and I thought it was a great hockey game," said Harvard head coach Ted Donato. "I'm very proud of our guys. ... There were a lot of things for us to grab onto and we'll look towards the end of our year to see what we can accomplish as a team."

Alex Biega, who needed just a few more seconds to convert on the equalizer, echoed his coach's words. "That's why the Beanpot's so special, you're guaranteed to get a great game. It was close and it's tough, but I think our team really battled through it, and we took a step forward, that's for sure."

On Monday (Feb. 9) at 5 p.m., the Crimson will face the No. 12 Boston College (B.C.) Eagles (11-9-4) in the tournament consolation game. Last year the Crimson fell to the Eagles in the Beanpot Championship game 5-6 in overtime.

### Women's hockey throttles BU, 8-0

The last time the Harvard Crimson women's hockey team scored eight goals in a game, they were on a familiar stage. After

losing a triple-overtime thriller to No. 10 B.C. in the 2007 Beanpot semifinal, Harvard took out their frustration on Northeastern a week later, 8-0, in the tournament's consolation game. That season was the only year since 1996 the Crimson did not reach the Beanpot championship game.

This year, eight goals made sure the Crimson stayed out of the consolation game. In their 8-0 shutout of BU on Tuesday (Feb. 3), seniors Sarah Vaillancourt and Jenny Brine dismantled the Terriers, as both recorded hat tricks during Harvard's scoring eruption. Vaillancourt also added four assists, and finished with a season-high seven points.

"We were as good as we've been all year. We played some good hockey tonight," said Crimson head coach Katy Stone. "It doesn't matter who we're playing, we like the way we're playing right now."

Harvard now has No. 7 B.C. standing in the way of the Crimson's 13th Beanpot title — they will be facing the Eagles at Matthews Arena next Tuesday (Feb. 10) at 8 p.m. And for Vaillancourt and Brine, it will be the last time the senior co-captains will be able to play for one of the most coveted trophies in all of women's hockey.

"The senior class knows the importance of the Beanpot, the history of it with Harvard hockey, and I think it's our job as seniors to especially let the freshmen know how big of a deal this really is for us," Brine said.

## SPORTS IN BRIEF

### Leone awarded Northeast Region Coach of the Year

In just his second year as head coach of the Harvard women's soccer team, **Ray Leone** has been named the Northeast Region Coach of the Year by Soccer Buzz. Leone led the Crimson to its first Ivy League championship since 1999 and its first NCAA tournament appearance in four years. This season the Crimson finished with a 10-3-5 record (5-1-1 Ivy League), garnering six All-Ivy selections in addition to Melanie Baskind's Ivy League Rookie of the Year honor. All six of Harvard's Ivy selections will return next year as they look to add to Leone's impressive 20-9-6 overall record at Harvard.

### Delaney-Smith honored as New England sports hero

Crimson head women's basketball coach **Kathy Delaney-Smith** — the winningest coach in Ivy League history — was recently awarded the Selma Black New England Hero Award, given annually to an individual or enterprise in the New England sports community that has shown outstanding com-

mitment to promoting the positive aspects of sport through sportsmanship, community service, and/or courageous achievement.

The award was presented to Delaney-Smith by Sport in Society at the True Heroes of Sport Awards Gala on Jan. 21. As a survivor of breast cancer, Delaney-Smith has been a vocal spokesperson, volunteer, and counselor for several organizations over the past decade, including the American Cancer Society.

### Men's basketball to host Yale, Brown

This weekend, the Crimson (9-9, 1-3 Ivy) will be on a recovery mission, as the Harvard men's basketball team looks to snap its three-game skid against Yale tomorrow (Feb. 6, 7 p.m.) and Brown on Sunday (Feb. 7, 7 p.m.) at Lavietes Pavilion. Despite the Crimson's recent struggles, they have already exceeded last year's win total and look much improved from last year's 8-23 (3-11 Ivy League) team. Led by second-year head coach Tommy Amaker, the Harvard's marquee win this season has been their 82-70 road victory over then-No. 17 Boston College (Jan. 7) — giving the Crimson its first win over a ranked opponent in program history.

For a full look at the road to recovery for the men's basketball program, visit [www.news.harvard.edu/gazette/2009/02.05/99-bball.html](http://www.news.harvard.edu/gazette/2009/02.05/99-bball.html).

— Compiled by Gervis A. Menzies Jr.  
Send briefs to [gervis\\_menzies@harvard.edu](mailto:gervis_menzies@harvard.edu)

File: Jon Chase/Harvard News Office



Delaney-Smith

## HKS, Stanford collaborate on poverty project

A new collaborative effort bringing together faculty and scholars from Harvard and Stanford universities is being launched to evaluate — and develop — national policy on poverty and inequality in America. The Collaboration for Poverty Research (CPR) will tap the vast intellectual resources of both institutions, leveraging their combined power to focus attention and garner public support for new measures to attack and solve one of the most significant public problems of our time.

CPR will link Harvard Kennedy School's (HKS) multidisciplinary Program in Inequality and Social Policy (PISP) with the Stanford Center for the Study of Poverty and Inequality (CSPI). The partnership will offer a national stage for renewed awareness and action in hopes of improving the lives of the 37 million people living below the poverty line in the United States. Funding for the collaboration is provided in part by The Elfenworks Foundation, which offers resources for individuals and organizations dedicating to fighting domestic poverty.

"The tentacles of poverty and inequality reach far and deep throughout our society — from our most crowded cities to our farthest rural corners. The challenge for policymakers is to recognize the complexity of the challenge and to confront it in effective new ways," said HKS Professor of Sociology Bruce Western, director of PISP, and CPR co-director. "The collaboration is intended to help bridge the gap between theory and practice, between ideas and impact. We hope to make a significant difference in this effort."

"This initiative will help us fight a new smart war on poverty backed by the very best science," remarked David Grusky, director of Stanford's CSPI. "Good intentions alone are not enough, but when good intentions are combined with the best science, then great things can happen."

"America is in the midst of some of the most difficult financial, economic, and market conditions we have seen since the 1930s," says Elfenworks CEO Lauren Speeth. "In light of the times, I feel a profound sense of gratitude that Harvard Kennedy School and Stanford University would join together to address our country's most urgent needs with this initiative."

CPR will support four interrelated programs: national task forces to investigate pressing problems pertaining to American poverty and social inequality; a social policy laboratory that promotes science-based evaluations and policy innovations that expand economic opportunity and social mobility; a program of graduate and undergraduate internships that support the national task forces and the social policy laboratory while also training new policymakers; and a series of executive roundtables to foster exchanges between researchers, policymakers, and opinion leaders.

Those topics expected to be addressed by the work of CPR include urban violence, housing and the poor, immigration and the labor market, economic insecurity, education and the poor, democratizing political participation, unplanned pregnancies, and health care reform. Additional topics may also be developed over time.

## Arts

(Continued from page 1)

ties and the James F. Rothenberg Professor of Romance Languages and Literatures. "We have nothing against finance, the professions, or management, but it seems there are more models to be considered."

The event scales up a University-wide effort now several years old, an argument for the value of a humanistic education that trains you "to think through complex systems," said Homi Bhabha, Anne F. Rothenberg Professor of the Humanities, director of the Humanities Center at Harvard, and the University's first senior adviser on the humanities to the president and provost.

At 4:30 p.m. Friday, "Passion for the Arts" sponsors a public conversation at Sanders Theatre on life in the arts. Taking part will be Harvard president Drew Faust, Lincoln Professor of History; Stephen Greenblatt, Harvard's Cogan University Professor of the Humanities; and virtuoso cellist Yo-Yo Ma '76.

The second day features a panel on careers in the arts and humanities, with points of view from a law professor, a journalist, and a filmmaker.

During the Friday event, Faust is expected to announce the University's first action steps, based on recommendations from the Arts Task Force she created in late 2007, which was chaired by Greenblatt. Initial plans include increasing the number of visiting artists on campus, and a series of efforts designed to make cultural events more accessible to students.

Her challenge to the task force was to put the arts on equal footing at Harvard with the

sciences and the humanities.

"Graduates of this or any other institution will be prepared for the lives that await them only if the University has inspired them to use their imaginations, encouraged them to improvise, and fostered in them a spirit of creativity," said Faust, offering a glimpse of her prepared statement for Friday. "The arts can instill in us the very skills and habits of mind that we will need to find solutions to the challenges of this new age. And if we aren't providing that to our students, we are short-changing them, and we are short-changing our shared future."

One of the goals of the task force was "to give art-making a much greater presence on campus," said Greenblatt. "I can't think of a better way of doing this than listening to Yo-Yo Ma."

He added that even in the face of economic travail, "We really need to think about all the ways we can move forward." Taking action on the arts "is a push-back towards something much more important, ultimately much more long-lasting, pedagogically important, and enduring," said Greenblatt. "I'm excited about the fact that we're not simply huddling in unhappiness, but actually thinking about ways we can get going."

On Saturday at 11 a.m. in the Science Cen-



File Justin Ide/HNO

Faust

## Hasty

(Continued from page 1)

Maguire," and "Nurse Betty."

Zellweger currently stars alongside Harry Connick Jr. in "New in Town," which opened in theaters on Jan. 30. She also recently appeared in "Appaloosa" with Viggo Mortensen and Ed Harris. She will next star in "My One and Only" and has just completed production on "My Own Love Song" with Forest Whitaker.

Franco's metamorphosis into the title role of the TNT biopic "James Dean" earned him career-making reviews, as well as a Golden Globe for Best Actor in a Motion Picture Made for Television, and nominations for an Emmy and Screen Actors Guild Award for this memorable performance. He is well-known for his starring role as Harry Osborn in Sam Raimi's "Spider-Man" trilogy, and for his notable performances in such films as "An American Crime" (with Catherine Keener and Ellen Page); the naval academy drama "Annapolis"; Robert Altman's "The Company"; "City by the Sea" (opposite Robert De Niro and Frances McDormand);

and the Martin Scorsese-produced "Deuces Wild." On television, he starred in the critically acclaimed series "Freaks and Geeks."

Franco can currently be seen starring opposite Sean Penn in Gus Van Sant's "Milk." He was recently seen in David Gordon Green's "Pineapple Express" opposite Seth Rogen; in George C. Wolfe's "Nights in Rodanthe," starring

**For Woman of the Year coverage,**  
www.harvard.edu

Richard Gere and Diane Lane; and in Paul Haggis' "In the Valley of Elah," starring

Tommy Lee Jones. He has written, directed, and starred in several short plays. He adapted two of them, "Fool's Gold" and "The Ape," into feature-length films in which he produced, directed, and starred. He also wrote and directed "Good Time Max," which is currently in post-production.

The Man and Woman of the Year awards are presented annually to performers who have made a "lasting and impressive contribution to the world of entertainment." Established in 1951, the Woman of the Year

'Passion for the Arts' is sponsored by the Office of the President, Dean of Arts and Humanities, the Humanities Center at Harvard, the Advising Programs Office, the Office of Career Services, and the Office for the Arts at Harvard. For more, go to [www.fas.harvard.edu/~ofa/passion.html](http://www.fas.harvard.edu/~ofa/passion.html).

ter, three distinguished panelists will discuss their careers in the arts and humanities. Constitutional scholar Noah Feldman '92 is Bemis Professor of Law at Harvard Law School; Sally Jenkins is a sports columnist at The Washington Post; and Gary Ross is a screenwriter, director, and producer.

Jenkins and Ross have an artistic collaboration underway. Ross is at work on a screenplay "Free State of Jones," the little-known story of Civil War-era black and white radical Unionists from southern Mississippi who fought against the Confederacy. It's based on a book of the same title, which will appear this summer, co-authored by Jenkins and John Stauffer, chair of Harvard's Program in the History of American Civilization. In turn, Stauffer has served as a scholarly consultant on five of Ross's films. Sorensen said that the two days of "Passion for the Arts" is a way to tell "life stories" that illustrate career pathways illuminated by the arts and humanities.

"We'd like to share narratives about the kinds of explorations and approaches that open up interesting worlds of activity and engagement," she said, "all of which are compatible with earning a good living."

award has been granted to many notable and talented entertainers, including Meryl Streep, Katharine Hepburn, Julia Roberts, Jodie Foster, Elizabeth Taylor, and, most recently, Charlize Theron. The Man of the Year award was established in 1963. Its past recipients include Clint Eastwood, Tom Cruise, Robert De Niro, Steven Spielberg, Harrison Ford, Anthony Hopkins, Bruce Willis, and, in 2008, Christopher Walken.

To purchase tickets to "Acropolis Now," which will be performed at the New College Theatre, 12 Holyoke St, contact the HPT box office at (617) 495-5205. The show opens on Feb. 13 at the Man of the Year ceremony and continues in Cambridge until March 15. Performances will take place Wednesday through Friday at 8 p.m., Saturday at 4 and 8 p.m., and Sunday matinees are at 3 p.m. The company then travels to New York to perform at Hunter College's Kaye Playhouse on March 20 and 21 at 8 p.m. Call (212) 772-4448 for tickets. The tour continues to the Hamilton City Hall in Bermuda for performances on March 26–28.

## Shorenstein Center announces spring fellows and visiting faculty

The Joan Shorenstein Center on the Press, Politics and Public Policy at the Harvard Kennedy School (HKS), dedicated to exploring the intersection of press, politics, and public policy in theory and practice, recently announced incoming fellows and visiting faculty for the spring of 2009.

"Our fellows and visiting faculty this semester reflect the cutting edge of new media, traditional journalism, and scholarship, and will offer Harvard students a rich resource in multiple dimensions," said Alex S. Jones, director of the Shorenstein Center.

Fellows and visiting faculty include:

**James O'Shea** served as editor and executive vice president of the Los Angeles Times from 2006 to 2008. Before that, he spent time at the Chicago Tribune in many different leadership roles, culmi-

nating in the position of managing editor from 2001 to 2006. At Harvard, he will examine conflicts between editors and owners of newspapers.

**Maralee Schwartz** worked for more than two decades as a reporter and editor at The Washington Post. After spending the 2008 fall semester as Visiting Murrow Lecturer of the Practice of Press and Public Policy at HKS, this semester she will research nonprofit journalism.

**Mitchell Stephens**, a professor of journalism and mass communications at New York University, is the author of "A History of News," an extended history of journalism that was recognized as a New York Times "Notable Book of the Year." His research at the center will argue for a proposed change in the priorities of major news organizations

providing more informed analysis on major events of the day.

**Michael Traugott**, a communication studies professor at the University of Michigan, studies the mass media and its impact on American politics. Traugott has consulted with media and news organizations on their coverage of elections, including networks, newspapers, and the Voter News Service. His research will focus on polling and news making from the 2008 campaign.

**Nicco Mele**, founder and president of the Internet strategy consulting company EchoDitto, will be this semester's Visiting Murrow Lecturer, teaching a course at HKS on the Internet as a mechanism for communication, with a special emphasis on its use in politics.

# Obama administration taps faculty, gets under way

By Alvin Powell  
Harvard News Office

With his historic inauguration history itself, President Barack Obama has lost no time putting his stamp on the presidency, pushing an economic stimulus package, making overtures to the Islamic world, and ordering the closing of the detention center at Guantanamo Bay, Cuba.

He has also continued to tap Harvard's brainpower for posts within his administration, including recent picks economics professors Jeremy Stein and David Cutler and the Law School's Jody Freeman.

Stein, Cutler, and Freeman join several Harvard faculty members who have already left for Washington, D.C., including Law School Dean Elena Kagan, Heinz Professor of Environmental Policy at the Harvard Kennedy School (HKS) John Holdren, and former Harvard president and Eliot University Professor Lawrence H. Summers. See the growing list in the sidebar on this page.

It was just over two weeks ago in Washington, D.C., that the United States crossed a historic racial divide to inaugurate Obama as its first African-American president.

Before a sea of watchers arrayed before the U.S. Capitol — as many as 2 million — Obama called for “reaffirming the greatness of our nation.”

His brief address acknowledged the nation's troubles — a tangle of economic woe, war, and dysfunctional health care — but the 1991 graduate of Harvard Law School also acknowledged the lasting power of American values.

“The time has come to reaffirm our enduring spirit,” said Obama, “to choose our better history, to carry forward that precious gift, that noble idea, passed on from generation to generation — the God-given promise that all are equal, all are free, and all deserve a chance to pursue their full measure of happiness.”

The nation's 44th president took charge of a country at war and facing a global economic collapse as well as a deteriorating environment. He took office at the end of a contentious two-term presidency colored by the calamitous terror attacks of 9/11 and the subsequent war on terror. He can be assured that his every twitch will be examined by a large and enthusiastic following — both at home and abroad — with high expectations. This all takes place against the backdrop of an ever-tighter knit-world dominated economically, militarily, and culturally by the nation he will lead.

“There are events that are called ‘historic’ and ‘truly historic,’” said David King, lecturer in public policy at HKS and an expert on American elections and politics. “Obviously, this is ‘truly historic.’”

Obama, a graduate of Columbia University and Harvard Law School, is among eight U.S. presidents who have held Harvard degrees. The list includes John Adams, John Quincy Adams, Rutherford B. Hayes, Theodore Roosevelt, Franklin Delano Roosevelt, John F. Kennedy, and Obama's predecessor, George W. Bush, who graduated from Harvard Business School in 1975. While at Harvard, Obama was president of the Harvard Law Review. He graduated in 1991.

King ranked Obama's election together with just a handful of watershed presidencies in U.S. history: 1828's election of Andrew Jackson, which saw the founding of the Democratic Party and ushered in new banking, cultural, and social policy; 1856, which saw the rise of the Republican Party; 1860, which put Abraham Lincoln in the White House, marking the only time a third-party candidate became president and wiping out the second party in the process; and 1932, which made Franklin Delano Roosevelt president and brought about a new era of activist government.

“I think this is one of those moments,” King said. “Unlike



Stephanie Mitchell/Harvard News Office

The JFK Jr. Forum was just one of the sites on campus where people could watch Obama's inaugural speech.

## Appointees from Harvard

### David Barron

Professor of Law  
Harvard Law School  
**Principal deputy assistant attorney general in the Office of Legal Counsel in the Department of Justice**

### David Cutler

Professor of Economics  
Faculty of Arts and Sciences  
**Will work on health care policy**

### Jody Freeman

Professor of Law  
Harvard Law School  
**Counselor for energy and climate change**

### John P. Holdren

Teresa and John Heinz Professor of Environmental Policy  
Harvard Kennedy School  
Professor of Environmental Science and Policy  
Department of Earth and Planetary Sciences  
**Assistant to the president for science and technology**

### Elena Kagan

Dean of Harvard Law School  
**44th solicitor general of the United States**

### Daniel J. Meltzer

Story Professor of Law  
Harvard Law School  
**Principal deputy counsel to the president**

### Samantha Power

Anna Lindh Professor of Practice of Global Leadership and Public Policy  
Carr Center for Human Rights Policy  
Harvard Kennedy School  
**Senior director for multilateral affairs at the National Security Council**

### Jeremy C. Stein

Moise Y. Safra Professor of Economics  
Department of Economics  
Faculty of Arts and Sciences  
**Will serve on the National Economic Council**

### Lawrence H. Summers

Former president of Harvard University  
Charles W. Eliot University Professor  
Faculty of Arts and Sciences  
Member of Belfer Center's Board of Directors  
**Assistant to the president; director of the National Economic Council**

### Cass R. Sunstein

Felix Frankfurter Professor of Law  
Harvard Law School  
**Named to a senior post in charge of government regulation**

But some say the true significance of Obama's presidency remains to be seen.

Richard Parker, lecturer in public policy at HKS, said that though Obama's inauguration is a “break-through moment,” the day's true measure will be whether the nation undergoes deep structural change in the years to come.

Parker, an economist, said the needed change is easy to identify in the economic sphere. For 30 years, he said, the nation has been heading the wrong way on income equality, with more and more wealth concentrated among the top 1 percent, which today holds double the share of the nation's wealth it had 30 years ago. Another issue, Parker said, is a structural imbalance among the nation's industrial sectors. Health care today is a larger part of the economy than manufacturing, an indication that health care costs are too high and that manufacturing strength is

waning.

Another area in need of fundamental change, Parker noted, is the way the economy impacts the environment. New tools need to be developed to measure economic growth that takes into account environmental consequences so that the true cost of a product or service can be measured.

Obama's plate is already heaping with issues in addition to the economy, which, according to Barbara Kellerman, the James McGregor Burns Lecturer in Public Leadership at the HKS, is why it's a good thing that he's gotten started already.

Kellerman, founding executive director of the Center for Public Leadership and author of the book “Bad Leadership: What It Is, How It Happens, Why It Matters,” said

that Obama has had such an active transition that — despite assertions that the U.S. has just one president at a time — this inauguration is largely ceremonial.

Though there are major problems facing the nation — and Obama — at home, Kellerman said that the wild card in a presidency typically comes from abroad in the form of unforeseen foreign policy challenges.

Kellerman said that the significance of the Obama inauguration is as much about the American people — America's “followers” — as it is about big events and leadership.

Obama's election, Kellerman said, signals a new generation of followers flexing their electoral muscle, wielding new technologies, and harboring new expectations for their leaders.

“I make the argument that followers the world over are part of a more active and demanding generation than in the past,” Kellerman said.

Given the problems the nation faces, the electorate appears tolerant and willing to let Obama draw on their goodwill. A recent New York Times poll reported that most Americans are optimistic the new president will address the country's problems — but expect no solutions for the economy, health care, or Iraq for at least two years. But the electorate is notoriously fickle, and Obama's political enemies are real.

“People will be ready and eager to pounce on his failures,” King said.

Parker, who wrote a biography of the famed economist John Kenneth Galbraith, noted that Galbraith once said that he admired John Kennedy more than Bobby Kennedy because Jack was “cool,” while Bobby was “hot.” Obama, Parker said, has already exhibited

a suave cool similar to Jack's that assures people he's in control. The problem, Parker said, may be with his passionate followers, who are bound to be disappointed repeatedly and sometimes severely.

“I think we have Jack in the White House and Bobby in the support base,” Parker said.

— Corydon Ireland also contributed to this story.

many previous elections, this was a unifying election. ... I think this is the next Great Generation.”

King ranks just one inauguration above those in that group: the 1797 inauguration of John Adams, which marked the first peaceful transfer of power in U.S. presidential history, proving that it could be done and that the Founding Fathers had created something enduring.

## Tribe recognized by American Bar Foundation

Laurence H. Tribe, the Carl M. Loeb University Professor at Harvard Law School (HLS), is the recipient of the 2009 Outstanding Scholar Award from the Fellows of the American Bar Foundation (ABF). The annual award recognizes an individual who has engaged in outstanding scholarship in law or in the field of government.

"Laurence Tribe is one of the great constitutional scholars of our time," said ABF Director Robert L. Nelson. "His work has influenced the thinking of generations of

law students, legal scholars, and the courts. Professor Tribe has applied his considerable analytic talents through constitution writing and appellate advocacy. Because he exemplifies the highest ideals of scholarship and public service in the legal academy, he is a wonderful choice for this prestigious award."

Tribe will be presented the award and will deliver the keynote address at the 53rd Annual Awards Reception and Banquet during the American Bar Association

Midyear Meeting on Feb. 14. The ceremony will take place at the Fairmont Copley Plaza Hotel in Boston.

Tribe, a noted constitutional scholar, has published more than 100 books and articles including "American Constitutional Law," which has been cited more often than any other post-1950 legal text. He has argued more than 35 cases before the U.S. Supreme Court and has frequently testified before Congress on a broad range of constitutional issues.



Photo by Steve Gilbert

Julio Frenk, dean of the Harvard School of Public Health.

## Howell Jackson named acting dean of Law School

Howell Jackson has agreed to serve as the acting dean of Harvard Law School (HLS), subject to the U.S. Senate's confirmation of Dean Elena Kagan's nomination to serve as U.S. solicitor general. Jackson, the James S. Reid Jr. Professor of Law, served as the School's vice dean for budget from 2003 to 2006.

"Howell Jackson is a first-rate scholar and teacher who has been a core member of the Law School's leadership team in recent years," said Harvard President Drew Faust in her announcement. "Especially at this moment in the life of the Law School and the University, we are fortunate to be able to turn to a prospective acting dean who not only is a distinguished academic, but also has deep experience with the School's administrative and financial matters and a close working knowledge of the ambitious initiatives the School has been pursuing. I'm very grateful to Howell for his readiness to take on this interim role."

"I am honored that President Faust has asked me to be available to serve the Law School and its extraordinary community of faculty, students, and staff during this transitional time," said Jackson. "Elena Kagan's leadership over the past five years has transformed the Law School, energizing its faculty and inspiring its student body. I look forward to working closely with colleagues

to sustain the School's momentum in the months to come."

A member of the HLS faculty since 1989, Jackson served from 2001 to 2003 as associate dean for research and research programs during the deanship of Robert C. Clark, before taking on the role of vice dean for budget when Kagan became dean in 2003. He has taught courses on the regulation of financial institutions, securities regulation, pension law, international finance, the federal budget process, and analytical methods for lawyers. His research deals with financial regulation, international finance, consumer protection, federal budget policy, and entitlement reform.

The author of numerous scholarly books and articles, Jackson has served as a consultant to the United States Treasury Department, the United Nations Development Program, and the World Bank/International Monetary Fund. He is a member of the National Academy on Social Insurance, a trustee of the College Retirement Equities Fund (CREF) and its affiliated TIAA-CREF investment companies, a member of the panel of outside scholars for the NBER Retirement Research Center,



Jackson

and a senior editor for Cambridge University Press Series on international corporate law and financial regulation. He received his B.A. from Brown University in 1976 and his J.D. and M.B.A. degrees from Harvard in 1982. Before joining the HLS faculty, he practiced law in Washington, D.C., and was a law clerk for Judge Jon O. Newman of the U.S. Court of Appeals for the Second Circuit and for Justice Thurgood Marshall of the U.S. Supreme Court. He joined the HLS faculty as an assistant professor of law in 1989, became professor of law in 1994, was named Finn M.W. Caspersen and Household International Professor of Law in 1999, and has served as Reid Professor of Law since 2004.

Faust said that the prospect and precise timing of Jackson's anticipated service will depend on the course of the Senate proceedings on Kagan's nomination to become solicitor general, and that she would have more to say in due course about the expected dean search. "I envision a full and open search for a long-term dean," she said, "and I expect to solicit advice from across the HLS community on potential candidates from both within the School and beyond." She added that she has moved quickly to identify a prospective acting dean because the hearings on Kagan's nomination may well occur soon and Kagan would likely need to take up her new duties very shortly after confirmation.

## Tobey named senior fellow at Belfer Center

William H. Tobey, deputy administrator for Defense Nuclear Nonproliferation at the Department of Energy's National Nuclear Security Administration (NNSA) from 2006 to 2009, was named a senior fellow at the Harvard Kennedy School's (HKS) Belfer Center for Science and International Affairs. There he will work with the center's nuclear team.

Tobey '84, an HKS graduate with a master's degree in public policy, served as deputy administrator for Defense Nuclear Nonproliferation at NNSA. In that position he led a team of 400 employees

and worked with more than 100 countries to prevent nuclear proliferation and terrorism by detecting, securing, and disposing of dangerous nuclear materials. Tobey also managed NNSA's \$2 billion comprehensive nonproliferation and threat reduction programs to secure nuclear and radiological materials, prevent the smuggling of nuclear material across borders and through seaports, halt the flow of nuclear expertise and technology to terrorist organizations or rogue states, and eliminate inventories of surplus nuclear material. He was also responsible for

overseeing policy formulation and implementation governing U.S. export controls on nuclear material and technology.

At the Belfer Center, Tobey will contribute to the center's initiative to reduce the dangers posed by the current unraveling of the global nuclear order and will help advance work begun by the Commission of Eminent Persons to find ways to maximize contributions of nuclear technologies to human well-being while minimizing the risks of nuclear weapon proliferation and nuclear terrorist attacks.

## Tueni Human Rights Fellowship created

The Carr Center for Human Rights Policy at Harvard's Kennedy School (HKS) and the Hariri Foundation-USA have announced the creation of the Gebran G. Tueni Human Rights Fellowship Program.

The gift of \$330,000 establishing the program comes from the Hariri Foundation-USA in honor of Gebran Ghassan Tueni, a politician, journalist, and editor of the daily newspaper An-Nahar in Beirut, Lebanon, who came to international prominence in March 2000 when he forcefully advocated a Lebanon free from the control of outside

forces. His call for tolerance between Muslims and Christians and his denunciation of crimes against humanity cost him his life: Tueni was assassinated by a car bomb in December 2005. Tueni was one of more than 15 journalists, activists, and members of parliament who were assassinated or targeted since the February 2005 assassination of former Prime Minister Rafik Hariri.

Tueni's famous phrase, "In the name of God, we, Muslims and Christians, pledge that united we shall remain to the end of time to defend our Lebanon," has been his

best-known epitaph.

"Gebran Tueni represents the values and goals which we are trying to promote through this fellowship," said Carr Center Director Rory Stewart.

Beginning in September 2009, the Hariri Foundation gift will support two 10-month fellowships per year during a three-year period for scholars, journalists, writers, and human rights activists from Lebanon or Iraq to conduct research in residence at the Carr Center. In the event that eligible candidates from Lebanon or Iraq cannot be identified, fellowships may be awarded to candidates from other Middle Eastern countries.

## Julio Frenk sees HSPH as 'first' in 21st century

By Christina Roache  
HSPH Communications

In his first address as dean of the Harvard School of Public Health (HSPH), Julio Frenk described what he called his ambition for the School: to become the "first school of public health of the 21st century."

Frenk made his remarks to more than 300 HSPH members in the Kresge cafeteria on Jan. 8.

His predecessor, Barry Bloom, introduced Frenk as a "hero in a very short pantheon of my personal heroes." In a lighthearted exchange, Bloom transferred the "symbols of power" to Frenk: a "greatly besmirched tie" handed down from previous deans; a copy of a book called "The Golden Cane" signed by every dean since 1922; and a gavel.

"So, with that, I can only wish you as much joy and happiness as I've had and as rewarding a career," said Bloom, who is Harvard University Distinguished Service Professor and Joan L. and Julius H. Jacobson Professor of Public Health. A tuberculosis expert, Bloom will maintain a laboratory at the School.

Frenk, an eminent authority on global health who served as the Minister of Health of Mexico from 2000 to 2006 and is the T & G Angelopoulos Professor of Public Health and International Development, said his ambition is for HSPH "to be the first school of public health of the 21st century. 'First' in the two meanings of the word — first in time and first in quality."

What does that mean?

"It means a global outlook," Frenk said, adding, "Global is not the opposite of domestic." It includes "understanding both the way in which this country receives the influence of the rest of the world, positive and negative, and also the way in which events happen in this country" that have repercussions around the globe.

The importance of investing in future generations was another key part of Frenk's talk. HSPH needs to make more financial assistance available in order to keep attracting the best students, he said. "And that will be a challenge in this economic environment, but it's something that I pledge to make my top priority." Frenk also made a commitment to attracting top-flight junior faculty.

Frenk said he hoped to convene retreats during which these and other goals can be explored. He noted that a potential presence of HSPH on the Harvard campus in Allston will continue to be addressed. He expressed his excitement at the prospect of intellectually engaging with the HSPH faculty, and he acknowledged his role as a steward of the School's financial and management activities. He also said that he will chair a planned international commission examining leadership development in public health.

# \$100 million gift to launch innovative search for AIDS vaccine

Medical School Professor Bruce Walker has been selected as the founding director of a unique new \$100 million effort to finally develop a vaccine that can halt the global HIV/AIDS pandemic that, if it continues unchecked, is predicted to claim an additional 70 million lives by 2020.

The Ragon Institute of MGH, MIT and Harvard is being established at Massachusetts General Hospital (MGH) with a gift of \$10 million per year for the next 10 years by philanthropists Phillip T. (Terry) Ragon and

Susan M. Ragon. The institute will bring together the intellectual power of clinicians and scientists at MGH, Harvard, the Massachusetts Institute of Technology (MIT), and other institutions around the world in what Harvard President Drew Faust described Feb. 4 as “an HIV/AIDS Apollo Project,” a reference to the intensely focused, highly collaborative, generously funded U.S. effort in the 1960s that resulted in man’s first landing on the moon.

Speaking at a Cambridge event an-

nouncing the establishment of the Ragon Institute, Faust praised the Ragons for exhibiting “a level of understanding — and even daring — that is too rare in the world of philanthropy. I say this because it is the rare individual who understands how knowledge is the greatest of all gifts, for knowledge is the foundation for progress in every field of human endeavor. And not only will the Ragon Institute increase and strengthen the foundation of knowledge upon which treatments for infectious diseases are based, it

will hasten the development of that knowledge by bringing together the very best minds, giving them the resources they need, multiplying and magnifying their efforts.

“Like the Broad Institute before it,” Faust continued, “the Ragon Institute will bring together intellectual and clinical resources from across Harvard, MIT, Mass General, and Broad communities. It will bring together Boston and Cambridge’s best minds

(See *Gift*, next page)

Steven Leer said that coal is a vital part of the nation’s energy mix and that clean coal technology must be developed if the atmosphere is to stop warming.



Stephanie Mitchell/Harvard News Office

## Mining exec: Coal vital to energy mix

By Alvin Powell  
Harvard News Office

The leader of one of the nation’s largest coal mining companies said Tuesday (Feb. 3) that coal is a vital part of the nation’s energy mix and that clean coal technology must be developed if the atmosphere is to stop warming.

Arch Coal Inc. chairman and chief executive officer Steven Leer said that though renewable energy technology is poised for growth, it makes up such a small part of the nation’s energy supply today that coal and natural gas will generate much of the nation’s electricity for the foreseeable future.

Further, Leer said, since it is unlikely clean coal technology will be developed by India, China, and other developing nations, and since those nations are rapidly building coal-fired plants, the only way to control the release of carbon dioxide into the atmosphere from those plants will be for industrialized nations to develop the technology and deploy it around the world.

“Those countries are going to use coal because that’s what they have,” Leer said. “We have to develop carbon capture and sequestration.”

Carbon capture and sequestration refers to technology being developed that removes carbon dioxide from coal and other fossil fuels before it is released into the environment and then injects it underground to keep it permanently away from the atmosphere.

Leer was the initial spring term speaker in the Harvard University Center for the Environment’s “Future of Energy” lecture series. Leer was introduced by the center’s director, Daniel Schrag, Sturgis Hooper Professor of Geology and professor of environmental science and engineering, who said

Arch Coal is among a group of coal producers that are thinking about climate change and ways to use coal responsibly as an energy source.

Leer’s presentation, called “The Vital Role of Clean Coal in Securing our Energy Future,” was met by a handful of protesters, who handed out fliers at the door and unfurled a banner at the end of the presentation protesting the company’s activities.

Though burning coal is considered one of the most polluting ways to generate energy, Leer said the industry has already created clean technology once, reducing sulfur dioxide, particulate matter, and nitrogen oxides in emissions dramatically since the 1970s.

It is not only possible to do it again, Leer said, it is essential, because coal provides such a large part of the energy mix, it’s unlikely a new cleaner technology will come along to replace it.

Part of the reason for that, Leer said, is human population growth. With the global population heading toward 9 billion before it is projected to level off, the world will have more people who need power. Even before all those 9 billion are born, however, many of the two billion people living without electricity today would like power — and those in developing nations want to increase their standards of living, which would take still more power.

“It’s driven by people,” Leer said. “Think about the developing world. Two billion people don’t have electricity and they’re demanding it.... They’re going to be using more energy, and the predominant part of that energy is going to be coming from coal.”

Coal generates 49 percent of the electricity in the United States today, he said. Not only is future demand likely to increase, other sources don’t seem to be likely candidates to meet that demand. Nuclear power, which provides 19 percent of the nation’s

power today, is unlikely to undergo a building boom, meaning the proportion of the nation’s power it provides is likely to shrink. Hydropower, while a clean energy source, is also unlikely to increase, because there are no more dams being built. Renewable sources will almost certainly increase but the growth of wind power — the most promising renewable technology — is hampered by the scarcity of power lines in the places where it is windiest. Significant growth in that technology awaits building out the power grid to take advantage of it. Solar, while promising, remains five times too expensive to be competitive, Leer said.

That leaves coal — of which the United States has an abundant supply — and natural gas, which generates 20 percent of the nation’s energy and which Leer said will grow enough to maintain that share despite increased demand.

Leer said the silver lining of the current financial crisis is that economic activity has slowed around the globe. While that has slowed global power consumption, Leer said the long-term effect is transitory and won’t really change the trends of more people demanding more power around the world in coming decades.

“The trends are unstoppable. The question is how we meet our energy demands. I think we will need all our energy sources,” Leer said.

Leer said a cap-and-trade regulatory system to control carbon dioxide emissions would, in effect, be a tax increasing the cost of energy for the consumer and the economy at large. He said he’d like to see some of the money raised by the regulatory system used to fund research into clean coal technology.

“The enabling technology for stabilizing carbon dioxide levels in the atmosphere is carbon capture and sequestration. There is not another option,” Leer said.

## NEWSMAKERS

### Manela AAAS visiting scholar

Erez Manela, Harvard’s Dunwalke Associate Professor of American History, is among eight individuals who have been awarded fellowships as part of the American Academy of Arts and Sciences’ (AAAS) Visiting Scholars Program for 2009. The fellowship program supports scholars and practitioners in the early stages of their careers who show leadership potential in the humanities, policy studies, and social sciences.

“Fellowships in the humanities and social sciences are limited,” noted AAAS CEO Leslie Berlowitz. “Our experience shows that these types of fellowships can be a significant factor in developing the careers of new scholars.”

During his residency in Cambridge,

Manela will work on a project titled

“The Eradication of Smallpox: An International History,” a study of the World Health Organization’s Global Smallpox Eradication Program. The project provides insight into the history of the Cold War, postcolonial international relations, the role of transnational organizations in globalization, and the development of modern medicine and international public health.

Manela directs Harvard undergraduate programs at the Weatherhead Center for International Affairs and authored “The Wilsonian Moment: Self-Determination and the International Origins of Anticolonial Nationalism” (Oxford University Press, 2007).

### Eggan recognized by president

Harvard Stem Cell Institute (HSCI) scientist Kevin Eggan was cited by President George W. Bush for his work in advancing the field of stem cell science on both scientific and educational levels.

Eggan received a Presidential Early Career Award for Science and Engineering (PECASE) “... for developing new approaches for reprogramming of patient cells into pluripotent stem cells and for developing and teaching new undergraduate curriculum in stem cell science.”

The assistant professor in Harvard’s Department of Stem Cell and Regenerative Biology and HSCI principal faculty member received the award from Bush in a Dec. 19 ceremony in the Eisenhower Executive Building, next door to the White House.

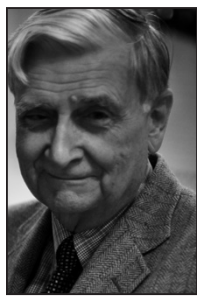
The award extends Eggan’s current National Institutes of Health (NIH) grant for an additional five years, which will provide his lab with approximately \$1 million in funding over that period. Eggan was one of 68 scientists from around the nation named to receive a PECASE award.

To see full story, go to [www.harvard-science.harvard.edu/foundations/articles/stem-cell-researcher-honored-president-george-w-bush](http://www.harvard-science.harvard.edu/foundations/articles/stem-cell-researcher-honored-president-george-w-bush).

# Wilson receives NCSE's Lifetime Achievement Award

Harvard professor Edward O. Wilson is the recipient of a Lifetime Achievement Award from the National Council for Science and the Environment (NCSE). The award, "For a Distinguished Career as an Innovative Leader Advancing Scientific and Public Understanding and Conservation of Biological Diversity," was presented at a special ceremony during the ninth National Conference on Science, Policy, and the Environment: "Biodiversity in a Rapidly Changing World," held on Dec. 8 in Washington, D.C.

Pellegrino University Professor *Emeritus* and honorary curator of entomology in the Museum of Comparative Zoology, Wilson is world-renowned for his research on ants and on big questions of science and society. The recipient of many honors, including the Na-



Wilson

tional Medal of Science, the International Prize for Biology, the gold medal of the World Wildlife Fund, the Distinguished Humanist Award from the American Humanist Association, and the Crafoord Prize from the Swedish Academy of Sciences (which is ecology's approximation of the Nobel Prize), Wilson is also a Pulitzer

Prize-winning author. He won in 1979 for his book "On Human Nature" and again in 1991 for "The Ants." Some of his other works include "Sociobiology: The New Synthesis," "The Biophilia Hypothesis," "Consilience: The Unity of Knowledge," and "The Future of Life."

NCSE Senior Scientist David Blockstein

noted, "E.O. Wilson is an iconic figure in science and conservation whose impact is almost impossible to overstate. Yet, he remains a humble individual. He brought the biodiversity crisis to the public attention and made it legitimate for basic scientists to be involved in conservation issues. Now he is trying to bring the forces of science and religion together in a holy crusade to save life on Earth."

Wilson received his award alongside fellow biodiversity pioneers George Rabb and Peter Raven. Rita Colwell, former director of the National Science Foundation, moderated a conversation, "Looking Forward, Looking Backward," with the awardees. The award presentations were preceded by a special posthumous recognition of the late congressman James H. Scheuer (D-N.Y.), author of the National Biodiversity Conservation

and Environmental Research Act introduced in Congress in 1988. Following the ceremony for the NCSE Lifetime Achievement Award, genomic research pioneer J. Craig Venter presented the ninth John H. Chafee Memorial Lecture on Science and the Environment, "A Genomic View of Life."

NCSE is a nongovernmental organization dedicated to improving the scientific basis for environmental decision-making by bridging the gap between the scientific knowledge required to resolve environmental problems and the process of implementing viable solutions. NCSE seeks to accomplish this objective by creating innovative multi-stakeholder networks that link this scientific knowledge to the decision-making process in government and business on both the national and international levels. For more information on NCSE, visit [www.NCSEonline.org](http://www.NCSEonline.org).

## Neural mapping paints a haphazard picture of odor receptors

By Steve Bradt  
FAS Communications

Despite the striking aromatic differences between coffee, peppermint, and pine, a new mapping of the nose's neural circuitry suggests a haphazard patchwork where the receptors for such disparate scents are as likely as not to be neighbors.

Inexplicably, this seemingly random arrangement is faithfully preserved across individuals and even species, with cells that process the same scent located in precisely the same location on the olfactory bulb, the brain's first processing station for odors.

The crazy-quilt map of odor-processing neurons on the front lines of the olfactory system is described by Harvard University neuroscientists in the February issue of the journal *Nature Neuroscience*.

"It had been thought that the layout of the olfactory bulb was variable from individual to individual, but followed a chemotopic order where cells handling similar odor responses are near each other," says Markus Meister, the Jeff C. Tarr Professor of Molecular and Cellular Biology in Harvard's Faculty of Arts and Sciences. "Here we show that the layout is actually very precise — the same from animal to animal — but doesn't appear to follow any chemotopic order whatsoever."

Working with mice and rats, Meister and colleague Venkatesh N. Murthy recorded neural responses to several hundred distinct odors, including anise, beer, cloves, coffee, ginger, lemon, orange, peppermint, pine, rose, and even fox pheromones. The neuroscientists found that across individuals and even across the two species, bundles of neurons from a given type of odor receptor — known as glomeruli — were found in almost exactly the same spot on the olfactory bulb, a sensory structure measuring some 4 to 5 millimeters across and located at the very front of the brain.

"Glomeruli from different receptors line the surface of the olfactory bulb like an array of close-packed marbles," says Murthy, professor of molecular and cellular biology at Harvard. "Across individuals the location of a given glomerulus varies by only one array position. Compared to the size of the map, this represents a remarkable developmental precision of one part in 1,000."

Meister and Murthy then analyzed whether nearby glomeruli detect similar odors, such as those with similar chemical structures. Neuroscientists have previously hypothesized axes of similarities along which odors might be classified.

"One might expect that nearby glomeruli should have similar odor sensitivities," Meister says, "but we were surprised to find this was not the case. The

odor response spectra of two neighboring glomeruli were as dissimilar as those of distant glomeruli."

This seemingly haphazard layout of sensory properties stands in marked contrast to other brain maps, such as those governing vision, touch, and hearing. In these three cases, our brains represent the outside world using ordered maps — such as when neighboring points in visual space activate neighboring points on the retina.

"That sort of arrangement makes sense, since most brain computation is local, relying on short connections between nearby cells," Murthy says. "This is necessary because the connections between neurons occupy most of the volume available to the brain, and long-distance connections require more of this volume."

Meister and Murthy suspect that the deliberate randomness in rodents' odor maps is likely also found in humans, which have only one-third as many receptors but are capable, in some extreme cases, of discerning tens of thousands of distinct smells.

Meister and Murthy's co-authors on the *Nature Neuroscience* paper are Edward R. Soucy, Dinu F. Albeanu, and Antoniu L. Fantana, all of Harvard's Department of Molecular and Cellular Biology and Center for Brain Science. Their work was funded by Harvard University.



Meister

File Rose Lincoln/HNO



Murthy

File Matt Craig/HNO

## Gift

(Continued from previous page)

in basic biology, infectious disease treatment, bioengineering, vaccine delivery, and related fields — and it will reach out to experts in those fields around the world. It will accelerate the discovery process, and it will reduce the time it takes to get those discoveries to the people whose lives they can save, and those whose burden of illness they can reduce."

Walker said that the new institute, which will administratively be part of MGH (where Walker's laboratory is located), "offers an incredible opportunity to transform academic research by integrating fields with tremendous potential synergies that have been separated by traditional boundaries between disciplines, and by rapidly funding the most promising ideas.

"Recent scientific advances have brought us closer to the elusive goal of an AIDS vaccine, but reaching that goal will require broad collaboration to adapt breakthroughs in the physical sciences and engineering to our understanding of interactions between viruses and the immune system," Walker continued.

"This institute will let top researchers from some of the best institutions in the

world apply their full creative potential to problems of tremendous global importance."

A leading AIDS researcher, Walker is a Howard Hughes Medical Institute investigator, and has been the director of the Partners AIDS Research Center, which is being incorporated within the Ragon Institute.

Terry Ragon explained the decision to launch the institute, saying that "by providing flexible funding and by connecting science and engineering at MIT and Harvard with the research and clinical resources of MGH, we intend to empower many of the world's best researchers to focus on what they view as the most promising research.

"We hope to engage them in a multidisciplinary collaborative effort for which there may be no greater benefit — curing the ill and saving lives," said Ragon, founder, owner, and chief executive officer of InterSystems Corp., a multinational software company based in Cambridge.

InterSystems provides high-performance database and integration technologies along with hospital information systems and national health record systems. Susan Ragon is vice president of finance and administration at InterSystems.

The Ragon Institute will link clinicians

and scientists with patients to ensure that the research remains highly relevant to human disease. The Ragon donation — the largest in MGH history — will provide a multidisciplinary team of world-class researchers with support that bypasses the wait time involved in traditional grant funding.

An initial focus will be identifying the effective immune responses in the small but extraordinary group of HIV-infected persons who are able to keep the virus in check without medications, and then designing strategies that can induce those responses.

Knowledge gained in this search for a vaccine and other immune-based strategies against HIV/AIDS will eventually be applied against other intractable infectious diseases and disorders of the immune system.

The Ragon Institute has several unique features. It is mission-oriented — distinct from the typical academic approach in which individual scientists work independently — and it includes engineering disciplines, both to facilitate novel experimental approaches and to incorporate fresh ways of viewing complex biological systems. The institute's members hope that this new approach, combined with flexible funding, will rapidly advance innovative, interdisciplinary

research and help to revolutionize the field of immunology.

One of the Ragon Institute's key collaborating organizations is the International AIDS Vaccine Initiative (IAVI). The scientific director of the IAVI Neutralizing Antibody Consortium, Dennis R. Burton of the Scripps Research Institute in California, said, "The Scripps Research Institute is honored to have the opportunity to collaborate with the Ragon Institute, and I am delighted that my laboratory is seen as an integral part of the institute. The Ragons' commitment and generosity will provide a huge impetus to the challenging effort to develop an AIDS vaccine."

Added Seth Berkley, president and CEO of IAVI, "Scientists do their best work addressing major challenges like developing a vaccine against HIV when they have secure, long-term, and flexible financial support that lets them focus on science, work with different disciplines, and quickly change course when science dictates they should. These critical elements form the basis for the generous and far-sighted gift the Ragons have made, and we at IAVI look forward to working together with them and with Bruce Walker and all of his team of collaborators on this very difficult path."

# Isolating creativity in the brain

By Lesley Bannatyne

Music Department Communications

How — exactly — does improvisation happen? What's involved when a musician sits down at the piano and plays flurries of notes in a free fall, without a score, without knowing much about what will happen moment to moment? Is it possible to find the sources of a creative process?

Aaron Berkowitz, a graduate student in ethnomusicology at Harvard, and Daniel Ansari, a professor in the psychology department of the University of Western Ontario, recently collaborated on an experiment designed to study brain activity during musical improvisation in order to get closer to answering these questions. The Harvard Mind/Brain/Behavior Initiative awarded the collaborators a grant to look at musical improvisation in trained musicians, utilizing brain scans done with functional magnetic resonance imaging (fMRI) technology. Their paper, "Generation of Novel Motor Sequences: The Neural Correlates of Musical Improvisation," was published in the journal *NeuroImage*, and received the journal's 2008 Editor's Choice Award in Systems Neuroscience.

"There are essentially two basic questions in music cognition," says Berkowitz. "First, how does the brain 'do' music? That is, what parts of the brain are involved, and how do they interact, when people listen to or perform music? Second, what can studying music tell us about the brain? When music is heard or played, the brain calls on many more general cognitive processes, for example, perceiving patterns in sounds or converting visual information [in a musical score] to auditory or motor information."

The perception and performance of music have been studied by scientists; most famously, looking at what listening to classical music — like Mozart — can do to the developing brain.

But looking at brain activity during the process of music improvisation is new.

Improvisation is not exclusive to music, says Berkowitz. Nor is it a pure flight of invention. "It's spontaneity within a set of constraints," Berkowitz explains. "Imagine: You slip on ice, and you do a sort of little dance to regain your balance — maybe in a way you've never 'danced' before; but though the sequence of movements might be novel, it's made up of the individual movements that are possible given what the body can do and where it is in space." Musical improvisers also work within constraints. "Those bebop players play what sounds like 70 notes within a few seconds. There's no time to think of each individual note. They have some patterns in their toolbox," says Berkowitz.

Berkowitz and Ansari were interested in the brain regions that underlie improvisation. The team used 12 classically trained pianists in their 20s with an average of around 13 years of piano training as subjects for the study.

Since the brain is active, even at rest, Berkowitz and Ansari first needed to design a way to subtract out brain activity common to hearing or producing music so they could isolate the neural substrates of the spontaneous creative aspect of improvisation. "If you were to put someone in an fMRI scanner and have them improvise, nearly the whole brain would likely be involved. We needed a way of isolating what is unique to improvising, namely, spontaneous novel action sequences."

They needed control conditions for comparison.

Ansari and Berkowitz designed a series of four activities. In the two general types of tasks, they had sub-

jects either improvise melodies or play pre-learned patterns. Comparing brain activity in these two situations allowed Berkowitz and Ansari to focus on melodic improvisation. Subjects did each of these two general tasks either with or without a metronome. When there was no metronome marking time, subjects improvised their own rhythms. Comparing conditions with and without metronome allowed Berkowitz and Ansari to look at rhythmic improvisation. A key point is that when the subjects played patterns (instead of improvised melodies), they could choose to play them in any order. "The idea," says Berkowitz, "was that there would still be some spontaneity in decision making here, but the choices would be more limited than when they were improvising."

"We were trying to isolate creativity — or novelty," explains Berkowitz. "It's not that we expected to uncover some region of the brain nobody had ever noticed before and call it 'the improvisation area.' We wanted to see which brain areas were involved in improvisation. This tells us something about what these



Stephanie Mitchell/Harvard News Office

Graduate student Aaron Berkowitz (above) worked on an experiment designed to study brain activity during musical improvisation.

regions might be doing in improvisation, and it could even shed new light on these areas, since we would be showing that they are involved in improvisation."

Ansari and Berkowitz discovered an overlap between melodic improvisation and rhythmic improvisation in three areas of the brain: the dorsal premotor cortex (dPMC), the anterior cingulate (ACC), and the inferior frontal gyrus/ventral premotor cortex (IFG/vPMC).

"The dPMC takes information about where the body is in space, makes a motor plan, and sends it to the motor cortex to execute the plan. The fact [that] it's involved in improvisation is not surprising, since it is a motor activity. The ACC is a part of the brain that appears to be involved in conflict monitoring — when you're trying to sort out two conflicting possibilities, like when you try to read the word BLUE when it's printed in the color red. It's involved with decision making, which also makes sense — improvisation is decision making, deciding what to play and how to play it." The IFG/vPMC is perhaps one of the most interesting findings of their study. "This area is known to be involved when people speak and understand language. It's also active when people hear and understand music. What we've shown is that it's involved when people create music."

Improvising, from a neurobiological perspective, involves generating, selecting, and executing musical-motor sequences, something that wouldn't surprise musicians. But in terms of brain research, it's a new piece of information. And each new study contributes to understanding different regions of the brain and the networks they make up, ultimately moving our understanding that much further.

# Art and science: Healing in harmony

By Michèle Stanners

Weatherhead Center for International Affairs

What do Julie Andrews and Mozart have in common? And what links Hillary Clinton, Che Guevara, and Cameron Diaz? The former have absolute or perfect pitch; the latter are tone-deaf. How our brains differ to create these disparities was one of the subjects of "Crossing the Corpus Callosum," a first-of-its-kind symposium held Jan. 10 at the Merck Research Laboratories-Boston.

More than 200 guests from various disciplines in the medical professions gathered to "traverse the pathway that connects the right and left cerebral hemispheres" of the brain and explore the interconnected worlds of neuroscience, healing, and the arts. The event was designed and hosted by the Longwood Symphony Orchestra (LSO), the orchestra of medical professionals based in Harvard's Longwood Medical Area.

This unique musical ensemble has bridged concert performance with community service in the Boston area for more than 25 years. The members are predominantly health professionals, scientists, and students. Most of them will attest that their passion for music has made them better observers, healers, and practitioners.

In his presentation, Tom Sheldon, chairman of radiation oncology at Concord Hospital, explained how errors of medical diagnosis can occur without keen assessment skills. "The doctors look but don't see; listen but don't hear; or touch, but don't feel as well as they might. Nothing trains the senses better than the arts." Countless hours depressing oboe keys and adjusting reeds sensitize his fingers — and also enable him to better detect concealed lumps or tumors.

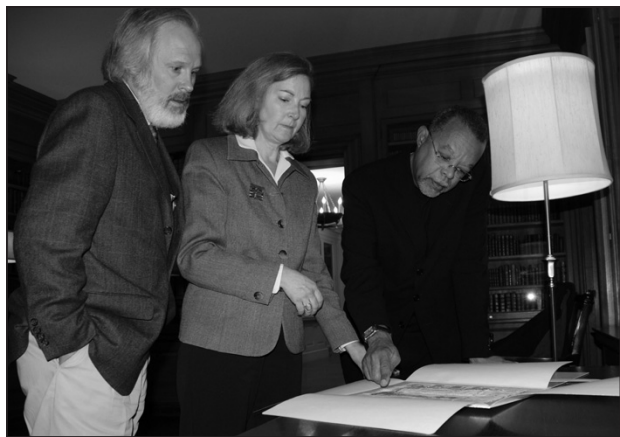
At Harvard Medical School (HMS), a course offered by Shahram Khoshbin and Joel Katz of Brigham & Women's Hospital, helps doctors see patients through a new lens. The two explained to the audience that art appreciation, like the practice of medicine, is inherently ambiguous and forces one to work with an incomplete data set. They teamed up with curator Alexa Miller and others from the Davis Museum at Wellesley College to develop a curriculum based on visual thinking strategies. By understanding the rudiments of art and through observation exercises, students improve their visual literacy and formulate better diagnoses.

In her talk, dancer and president of the Brooklyn Parkinson Group Olie Westheimer described the similarities between the mechanics of ballet and struggles facing patients with Parkinson's disease. Through a strategic collaboration, people living with Parkinson's disease in Brooklyn, N.Y., now enjoy weekly therapy sessions led by dancers from the famous Mark Morris Dance Group.

Certain stroke victims who have difficulty saying their name can still sing "Happy Birthday" perfectly, explained Gottfried Schlaug, director of the Music and Neuroimaging Laboratory at the Beth Israel Deaconess Medical Center (BIDMC). This is usually the result of injury to the left side of the brain, which houses the language center, leaving the right side of the brain, which influences singing, intact. At BIDMC, Psyche Loui and neuroscientists with a background in music discovered a process that employs musical note passages to recruit neurons on the functioning side of the brain to improve speech. The discovery helps stroke victims recover by singing.

"We are all ill-equipped for the journey of Alzheimer's," acknowledged the last presenter, John Zeisel, president and co-founder of Hearthstone Alzheimer Care. While a string quartet of the LSO joined him onstage to perform carefully selected compositions reflecting the four phases of Alzheimer's — anxiety, agitation, aggression, and apathy — projected on the screen behind him were paintings by people living with dementias, reminding the crowd of the life and creativity still within them. The process of letting go of a loved one with dementia requires embracing their new way of life and love and expression. "The ultimate gift," Zeisel said simply, "is the opportunity to turn life's tragedy into something beautiful."

The day's closing remarks were delivered by Lisa Wong '79, president of the LSO, a violinist, a clinical associate in pediatrics at HMS, and the real brain behind the symposium. "We recognize that the arts and sciences have somehow become disconnected in society," she concluded. "Just as the brain recruits healthy neurons to restore speech through song, so we in the arts and sciences community must recruit each other to heal this rift."



Peter Reuell/Harvard College Library  
**Houghton Library Associate Librarian for Collections Tom Horrocks (left), curator Leslie Morris, and Henry Louis Gates Jr. examine a rare document Gates recently gave to Houghton Library.**

## Du Bois Institute gives Houghton Library Masonic certificate

By Peter Reuell  
*HCL Communications*

The W.E.B. Du Bois Institute at Harvard University recently gave a Masonic membership certificate signed by Prince Hall, a minister, abolitionist, and civil rights activist known as the father of Black Freemasonry in the United States, to Houghton Library. Presented by Henry Louis Gates Jr., the Alphonse Fletcher Jr. University Professor and director of the W.E.B. Du Bois Institute, this document is the latest in a series of gifts from the institute to Houghton intended to strengthen the library's increasingly significant research resources for African and African-American history and literature.

### To see the document, 'The Father of Black Freemasonry,'

<http://blogs.law.harvard.edu/houghtonmodern/2008/11/07/the-father-of-black-freemasonry/>

Modern Books and Manuscripts at Houghton. "Prince Hall is an iconic figure in black history for which very, very little survives. I've been amazed how quickly knowledge of the document has spread, and how much we ourselves have learned about it from the discussions."

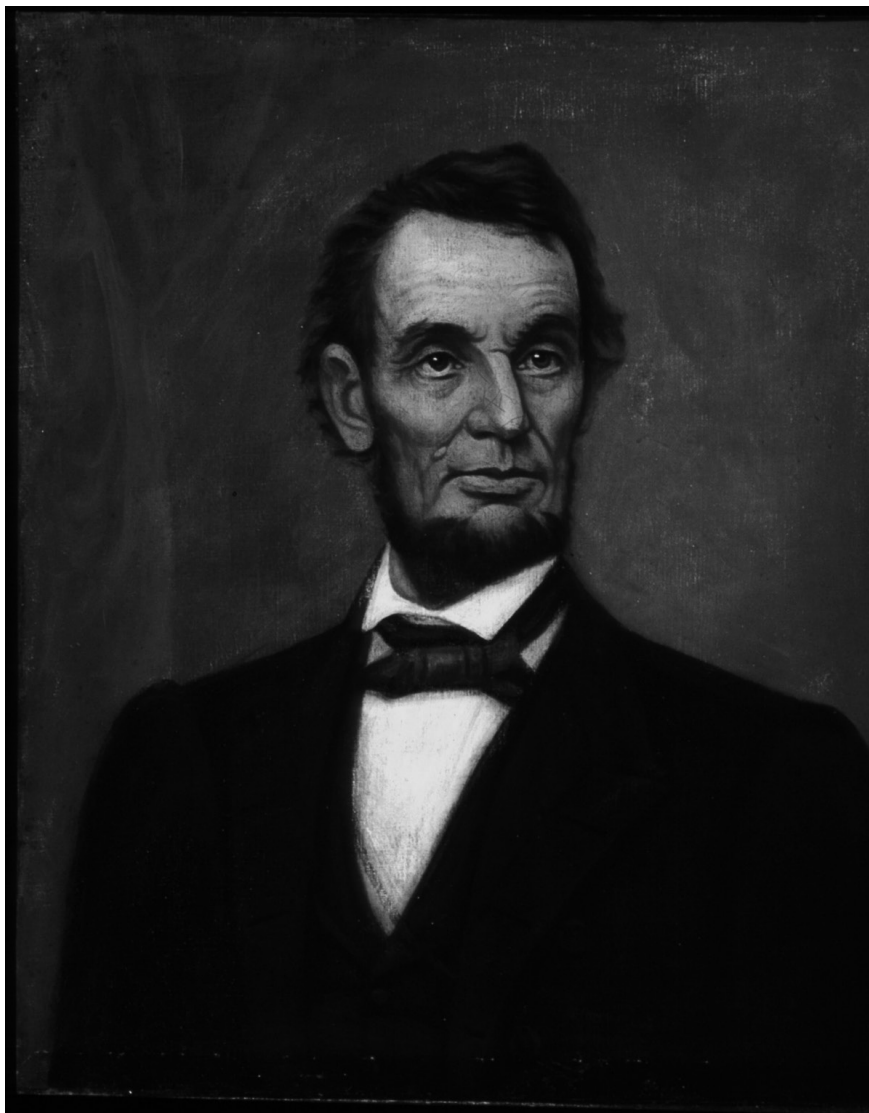
Dated June 23, 1799, the certificate initiates abolitionist Richard P.G. Wright into the African Lodge No. 459, the first lodge formed by African Americans, which Hall co-founded. Though Hall had been initiated into Military Lodge No. 441 in Boston in 1775, following the Revolutionary War, black Masons began to face discrimination in the lodges and urged the formation of a separate organization. Hall and 13 other blacks formed African Lodge No. 459 in 1784, and Hall was elected the first grand master. The lodge was later renamed in his honor.

A leader in the African-American community, Hall came to Boston in 1765 and worked as a minister, early civil rights activist, and proponent of education for black children. Though conflicting accounts of Hall's early life exist, he may have been born a slave in Barbados in about 1735.

Past gifts to Houghton Library have included the papers of playwright Suzan-Lori Parks, a beautifully illuminated 17th century Ethiopian manuscript prayer book, the unique first issue of Fortune's Freeman, and numerous other rare books and recordings.

Joint purchases have included the papers of Nobel Prize laureate Wole Soyinka, novelists Chinua Achebe and John Edgar Wideman, and writer Albert Murray, including his correspondence with Ralph Ellison. Several smaller collections are also located at Houghton, while the June Jordan papers and the Shirley Graham Du Bois papers are available at Schlesinger Library.

"The library has been working in concert with Professor Gates over the last 15 years to strengthen our manuscript collections to support more in-depth research by students and faculty in African-American and African history," said Leslie Morris, curator of



**'Abraham Lincoln at 200: New Perspectives on His Life and Legacy':** Exhibit through April 25, Houghton Library, symposium April 24-25.

**'Diaghilev's Ballets Russes: Twenty Years That Changed the World of Art':** Exhibit April 15-Aug. 28, Pusey Library, symposium April 15-17.

**'Ever Westward: Sir Arthur Conan Doyle and American Culture':** Exhibit May 5-Aug. 8, Houghton Library, symposium May 7-9.

**'Johnson at 300':** Exhibit Aug. 26-Nov. 14, Houghton Library, symposium Aug. 27-29.

**A portrait of Abraham Lincoln, artist unknown, from the late 19th or early 20th century. The portrait, which was given to Harvard as a bequest from William Whiting Nolen, Class of 1884, is included in the Houghton Library Lincoln exhibition.**

## Houghton to host four major symposia

By Peter Reuell  
*HCL Communications*

The year 2009 marks the 200th anniversary of the birth of Abraham Lincoln, the 100th anniversary of the founding of the Ballets Russes, the 150th anniversary of the birth of Sir Arthur Conan Doyle, and the 300th anniversary of the birth of Samuel Johnson — and all four will be celebrated at Houghton Library.

Scholars from around the world will gather at the library this year for four major exhibitions and symposia dedicated to Lincoln's life and legacy, the artistic impact of the Ballets Russes, a re-examination of Doyle's place in literary history, and a comprehensive examination of Johnson's intellectual and creative productions.

"It just so happens that 2009 marks a significant milestone for four of our collections, and we plan to celebrate each fully," said Tom Horrocks, associate librarian for collections at Houghton Library.

Two of the events — the Ballets Russes and the Samuel Johnson exhibitions and symposia — will highlight collections that are among the most extensive in the world. While the Lincoln and Doyle events "highlight collections that people do not normally associate with Houghton," Horrocks said.

Curated by Horrocks, the Lincoln exhibition and symposium, "Abraham Lincoln at 200: New Perspectives on His Life and Legacy," opened Jan. 20 at Houghton Library and runs through April 25. The symposium, held April 24-25, will focus on several aspects of Lincoln's career, such as his views on race and slavery, his role as commander-in-chief, his use of the press to shape public opinion, his relationship with Congress and his influence on the legislative process, and his

role as a politician and party leader.

Among the prominent Lincoln and Civil War scholars who will participate are Harvard University President Drew Faust, Jean H. Baker, Michael Beschloss, Gabor Boritt, Brian Dirck, David Herbert Donald, Doris Kearns Goodwin, Richard W. Fox, Harold Holzer, John Marszalek, James McPherson, Edna Greene Medford, Matthew Pinsker, Gerald J. Prokopowicz, Barry Schwartz, John Stauffer, Craig Symonds, Thomas Turner, Michael Vorenberg, and Frank J. Williams.

The Ballets Russes symposium and exhibition, "Diaghilev's Ballets Russes: Twenty Years That Changed the World of Art," is curated by Fredric Woodbridge Wilson of the Harvard Theatre Collection. The exhibition will open April 15 at Pusey Library and run through Aug. 28. The symposium will run from April 15 to 17, and will focus on the influence of the Ballets Russes on contemporary artistic culture.

Among the prominent scholars who will take part are Joan Acocella, dance and arts critic for *The New Yorker*; Alexander Schouvaloff, retired curator of the theater collection at the Victoria and Albert Museum in London; Joy Melville, author of several biographies; and Edith Craig, who most recently authored a biography of Diaghilev. Also participating are Harvard professors Thomas Forrest Kelly from the Music Department and John Malmstad from the Slavic Languages and Literatures Department; Toni Bentley, author of "Sisters of Salome" and other books on dance; and Charles Joseph, author of several books on Igor Stravinsky and George Balanchine.

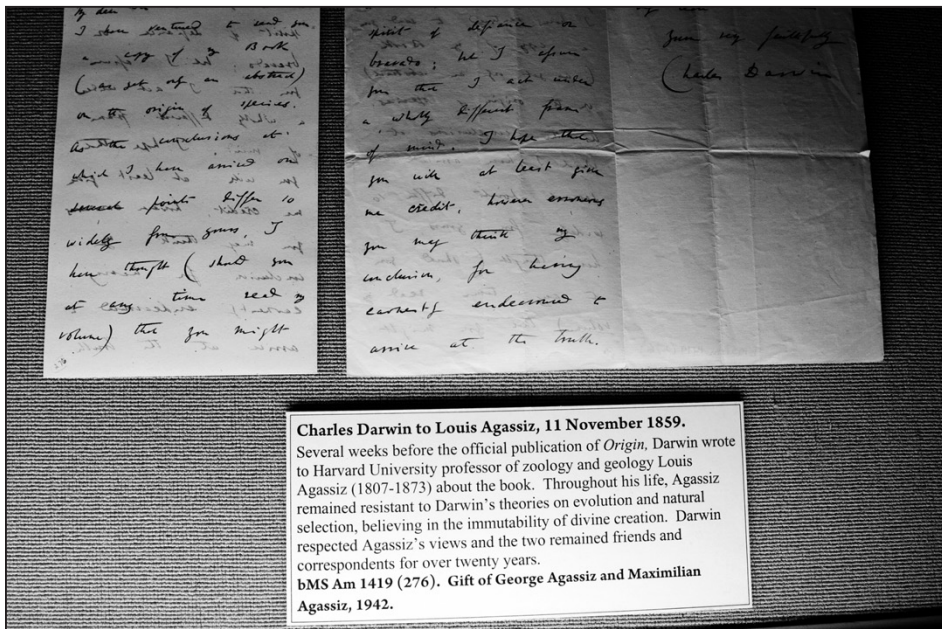
Houghton Library Coordinator of Program Peter Accardo will serve as curator for the Doyle exhibition and symposium, titled "Ever Westward: Sir Arthur Conan Doyle and American Cul-

ture." The exhibition will open May 5 at Houghton Library and run through Aug. 8. The symposium will run from May 7 to 9, and will seek to broaden the understanding of Doyle by examining new biographical studies, exploring the enduring popularity of his canon and revisiting his noncanonical fiction, and historical and social writings, and witnessing Doyle's literacy legacy as promoted by literary societies and through teaching.

Among the Doyle scholars who will take part are John Bergquist, Peter E. Blau, Giles Constable, John Constable, Thomas Francis, Thomas A. Horrocks, Leslie S. Klinger, Andrew Lycett, Eve Mayer, Julie McKuras, Glen Miranker, Richard Olken, Daniel Posnansky, Constantine Rossakis, Steven Rothman, Charles J. Rzepka, Daniel Stashower, Randall Stock, William P. Stoneman, and Michael Whelan.

The Johnson exhibition will open Aug. 26 at Houghton Library and run through Nov. 14. The exhibition, curated by John Overholt, assistant curator of the Hyde Collection of Dr. Samuel Johnson and Early Modern Books and Manuscripts at Houghton, will then go on display at the Grolier Club in New York, from Dec. 15, 2009 through Feb. 6, 2010. The symposium will run from Aug. 27 to 29, and will address such topics as Johnson and gender, Johnson and the periodical essay, Johnson and modern scholarship, Johnson and the arts, Johnson and 18th century intellectual history, Johnson and biography, Johnson and literary theory and criticism, Johnson and slavery, and Johnson and his dictionary.

Among the Johnson scholars who will take part are James Basker, O.M. Brack, Greg Clingham, Robert DeMaria, Helen Deutsch, Stephen Fix, Isobel Grundy, Jack Lynch, Anne McDermott, Allen Reddick, Bruce Redford, Michael Suarez, Gordon Turnbull, and Richard Wendorf.



**Charles Darwin to Louis Agassiz, 11 November 1859.**  
Several weeks before the official publication of *Origin*, Darwin wrote to Harvard University professor of zoology and geology Louis Agassiz (1807-1873) about the book. Throughout his life, Agassiz remained resistant to Darwin's theories on evolution and natural selection, believing in the immutability of divine creation. Darwin respected Agassiz's views and the two remained friends and correspondents for over twenty years.  
BMS Am 1419 (276). Gift of George Agassiz and Maximilian Agassiz, 1942.

Photos Rose Lincoln/Harvard News Office

An 1859 letter to Harvard naturalist Louis Agassiz, presumably accompanying a copy of 'The Origin of Species,' tries to appease this famous opponent of the idea of natural selection.

## Two reasons to fete Darwin

Houghton and Cabot mark anniversaries with exhibits

By Corydon Ireland  
Harvard News Office

Small is beautiful. Small may also be powerful. Judging from a copy on display at Harvard's Houghton Library, the book that changed the world is only 8 inches high and 5 1/2 inches wide.

The first edition of what is now known as "The Origin of Species" appeared in 1859, dressed in a deep green cloth binding and printed on pulp paper. But its London publisher issued only 1,250 copies, little knowing that Charles Darwin's book would go on to reshape science, challenge organized religion, and set off worldwide cultural tremors still being felt today.

If human evolution had included tortoise-type old age, Darwin would turn 200 years old this month, on Feb. 12. And 150 years ago this year appeared what Darwin called his "big book." (His first few were on geological formations and his last on earthworms.)

The first five editions of "The Origin of Species" bore a more euphonious and revealing title: "On the Origin of Species By Means of Natural Selection, or the Preservation of Favoured Races in the Struggle for Life."

With both a Darwin bicentennial and sesquicentennial at hand in 2009, there is double reason to celebrate the English naturalist whose idea of natural selection provided a unifying explanation for the diversity of life.

Events are planned worldwide throughout the year, including a British fundraiser to replicate the H.M.S. Beagle, on which the young Darwin served — formatively — as a naturalist from 1831 to 1836. On Feb. 12 Harvard will do its part in celebrating Darwin, with a symposium, lecture, party, and a read-a-thon of all 502 pages of "The Origin of Species."

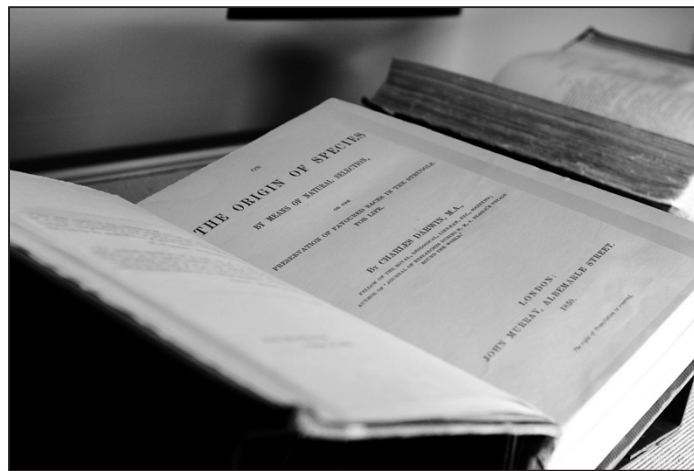
In the meantime, Harvard ID holders are invited to peruse two exhibits celebrating Darwin the writer, scientist, and cultural icon.

In the Houghton's second-floor Amy Lowell Room through March 28 is "There is grandeur in this view of life": The Origin of Species at 150." The display of 10 items —

books, pamphlets, and letters — shows the evolution of the big book's first six editions, and includes documents hinting at how Darwin's ideas resonated at a 19th century Harvard.

On the first floor of the Cabot Science Library through May 22 is "Rethinking the Darwinian Revolution," a wall of themed displays illustrating how the idea of Darwin has changed in the past 50 years.

The Cabot exhibit, organized by graduate students in the history of science, contains not only scholarly books, a looped movie, skulls, and somber bird specimens, but a



An early edition of the book that changed the world.

Charles Darwin bobblehead. Next to it is an original bubble-wrapped Evolving Darwin Play Set — "From Fish-Man to 'Genius' in only 380 million years!"

Earlier this week, Janet Browne, Harvard's Aramont Professor of the History of Science, dropped in at Cabot looking for a prized artifact she had lent the exhibit: a baseball cap with the legend "Voyage of the Beagle."

Scouring archival nooks at Harvard for evidence is not the easiest assignment, she said of her students from a seminar last fall. "It's been a steep learning experience for them."

Browne, a biographer of the young Darwin and a world authority on 19th century biology, will deliver a Feb. 12 lecture looking back at Darwin commemorations in 1909 and 1959. It will show, in part, she said, "how Darwin became a celebrity."

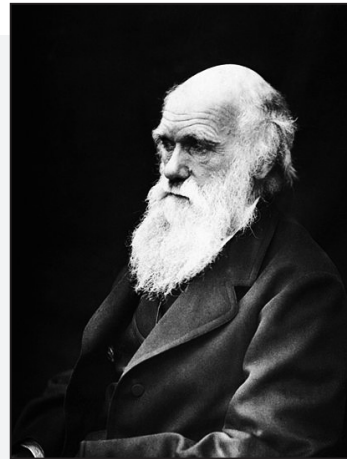


Photo of Darwin by J. Cameron

For a look at 'Darwin Day' events at Harvard through March 5, go to <http://darwin-day.fas.harvard.edu/>. The Harvard Museum of Natural History is sponsoring a series of Darwin-related lectures and special events, including Janet Browne's Feb. 12 lecture, 'Darwin at 200: Rethinking the Revolution,' starting at 6 p.m. in the Geological Lecture Hall, 24 Oxford St. For a complete list, go to [www.hmnh.harvard.edu/](http://www.hmnh.harvard.edu/).

At Houghton's Darwin exhibit, scholarly sobriety is the rule of the day. Yet the printed documents on view are a briefly intimate look at the shy Englishman whose "Origin of Species" remains a model of explanatory science and memorable literary style.

"There is grandeur in this view of life," the book's final passage begins. Darwin evokes the natural world as "an entangled bank" teeming with bird, plant, and insect life — all interconnected, interdependent, and gloriously varietal. In the book's last words, he marvels that "from so simple a beginning endless forms most beautiful and most wonderful have been, and are being, evolved."

At Houghton, viewers can see an original manuscript page from "The Origin of Species," in Darwin's small, feathery, wide-spaced script. The page is nearly clear of editing, a sign of his confidence in material he had been working on for over a decade.

The exhibit also displays evidence of Darwin's connection to Harvard thinkers. An 1859 letter to naturalist Louis Agassiz, presumably accompanying a copy of the new book, tries to appease this famous opponent of the idea of natural selection. An 1861 treatise written by Harvard professor of natural science Asa Gray argues that natural selection is compatible with Christian theology.

Exhibit curator Heather G. Cole, Houghton's assistant curator of modern books and manuscripts, began investigating the library's Darwin material last year. She chose to display copies of four of the six editions of "The Origin of Species" that appeared in Darwin's lifetime. The fifth edition, published in 1869, is the last to use the original long title and the first to include the resonant and durable phrase "survival of the fittest."

In poring through Houghton's Darwin-related letters, pictures, pamphlets, and books, Cole came to appreciate "the evolution of his ideas," beginning with an 1842 essay, as well as the cultural furor that Darwin set in motion 150 years ago. "Everyone," she said, "was reading this book."

## AAAS honors seven Harvard faculty with title of 'fellow'

The American Association for the Advancement of Science (AAAS) — the world's largest general scientific society and publisher of the journal *Science* — has awarded seven Harvard professors the distinction of AAAS fellow.

In all, 486 members were named this year for efforts toward advancing science applications that are deemed scientifically or socially distinguished. The 2008-09 fellows will be honored at Fellows Forum, part of AAAS's annual meeting in Chicago on Feb. 14. Fellows will be presented with an official certificate and a gold or blue rosette pin (representing science and engineering, respectively). This year's fellows were announced in the AAAS News & Notes section of *Science* on Dec. 19.

Fellows were nominated by steering groups of the association's 24 sections; by any three fellows who are AAAS members; or by the chief executive officer.

### Harvard's AAAS Fellows

The section on astronomy elected **Charles Alcock**, professor of astronomy and director of the Center for Astrophysics, for pioneering research using microlensing to probe the dark matter halo of the Milky Way galaxy as well as for outstanding leadership of the Harvard-Smithsonian Center for Astrophysics.

The section on biological sciences elected four fellows, all from Harvard Medical School: **Norbert Perrimon**, professor of genetics, for distinguished contributions to the field of developmental biology, particularly for studies of signaling pathways in *drosophila*; **Anjana Rao**, professor of pathology, for distinguished contributions to the field of immunology, particularly for advances concerning signaling pathways and transcriptional control; Marion V. Nelson Professor of Cell Biology **Joan Ruderman** for seminal studies of the molecular mechanisms that regulate progression through the cell division cycle in vertebrate cells; **Johannes Walter**, associate professor of biological chemistry and molecular pharmacology, for elucidating molecular events underlying eukaryotic replication initiation and identifying mechanisms that limit DNA replication to a single round per cell cycle.

The section on chemistry elected Theodore William Richards Professor of Chemistry **Cynthia M. Friend**. Friend was elected for advancement in understanding complex surface chemistry and catalytic processes, for exemplary scientific leadership that has promoted diversity, and for innovative education of young scientists.

The section on information, computing, and communication elected **Leslie G. Valiant**, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics. Valiant was named fellow for distinguished contributions to theoretical computer science, in particular computational complexity theory and computational learning theory.

## Innovative filmmaking marks VES program

By Sarah Sweeney  
Harvard News Office

An intimate relationship between the residents of Harbin city in northeastern China and their mother river, the Songhua.

A revealing insight into the personal struggles and national identity of Sudanese potters on the banks of the White Nile. These are the subjects of two ethnographic films premiering Feb. 11 at the Peabody Museum of Archaeology and Ethnography.

The program, "Sensory Ethnography: New Harvard Student Ethnographic Works," features films about experience, culture, and nature by Harvard's Visual and Environmental Studies (VES) and anthropology students. The films, "Songhua" by J.P. Sniadecki and "Mud Missive" by Fatin Abbas, are part of a VES/anthropology course that challenges students to bypass traditional forms of ethnographic filmmaking and engage both familiar and unfamiliar cultural phenomena with fresh eyes and ears.

"Both 'Mud Missive' and 'Songhua' exemplify innovative ethnographic filmmaking—where the filmmakers retain a patient and unwavering gaze upon their subjects going about their daily lives," says the Peabody Museum's Associate Curator of Visual Anthropology Iliisa Barbash, explaining that when most people consider ethnographic filmmaking, they imagine a National Geographic-type documentary. "In contrast," she says, "these films are slices of life, portraits of individual people in a particular time and place. Any narration is personal, and the editing is comprised of long, patient takes." This approach allows the audience to enter the sensory worlds of the film subjects in an intimate way, she explains. "The focus on minutiae invites the audience to contemplate these activities in a larger global and political context."

"'Songhua' is the first visual work I've made in China," says Sniadecki, a doctoral candidate in social anthropology. "It's also the first time I've explored a sense of place through the lens of a camera and the electronic signal of a microphone." While studying film as an undergraduate in Michigan, Sniadecki spent his junior year learning Mandarin in Shanghai. His interest in Chinese society and media anthropology eventually led him back to China to film "Songhua" and his most recent project, "Demolition." Both screened internationally.

"This is my first film," says Abbas, a doctoral candidate in the Department of Literature and Comparative Studies. "It's kind of scary in some ways." Scary, surely, judging from the intimate nature of "Mud Missive," which reflects not just on the people of Sudan, but on Abbas' own life as a Sudanese expatriate. By interweaving the materials and activities of Sudanese potters, Abbas delves into the issue of identity—through her subjects, herself, and a Sudanese nation in conflict with itself.

"It's also very exciting, too," she is quick to add.

Sniadecki agrees. "I am grateful to share this piece with the Harvard community, and am continually amazed that, no matter where it is shown, viewers find within it a range of significance which cannot be reduced to a single interpretation."

After the screening, the filmmakers will partake in a discussion moderated by Barbash, who welcomes Sniadecki and Abbas to the legion of filmmakers who have received critical support from the Peabody Museum. "The Peabody Museum's involvement in ethnographic film projects is over half a century old," says Barbash. "It was the birthplace of Harvard's Film Study Center in the 1950s, which has produced some of the most important and seminal ethnographic films of the 20th century."

'Songhua' (below) by J.P. Sniadecki is an ethnographic look at the Chinese city of Harbin.



The Peabody Museum presents 'Sensory Ethnography: New Harvard Student Ethnographic Works' in Sherman Fairchild Auditorium, 7 Divinity Ave., at 5:30 p.m. on Feb. 11. For more information, call (617) 496-1027.

The Carpenter Center features student-selected work in the exhibit 'Students Choose: Work from VES Courses,' which runs through Feb. 13. A reception for the artists will be held Feb. 12 at 5:30 p.m. For more information, visit [www.ves.fas.harvard.edu/VESstudent\\_exhib.html](http://www.ves.fas.harvard.edu/VESstudent_exhib.html).

### video

'Filming by feel'  
[www.hno.harvard.edu/multimedia/flash/vid\\_ethnology.swf](http://www.hno.harvard.edu/multimedia/flash/vid_ethnology.swf)



Harvard Art Museum, Arthur M. Sackler Museum, bequest of the Hofer Collection of the Arts of Asia, 1985. Photo by Katya Kallsen © President and Fellows of Harvard College

A small-format scroll (left), 'Tale of the Rat (Nezumi soshi emaki),' Late 15th century. One handscroll; ink, color, and gold on paper, 16.7 x 431 cm. Below is the cover of McCormick's book.

## Vivid scrolls from Japan tell timeless stories

Medieval Japan comes to colorful life in ko-e, miniature hand scrolls

By Emily T. Simon  
FAS Communications

For nearly a decade, Melissa McCormick, John L. Loeb Associate Professor of the Humanities, has been absorbed in the study of elaborate works of fiction. The themes she encounters—love, temptation, even family drama—are timeless. The format—narrow horizontal scrolls of mulberry paper, with hand-painted images and columns of calligraphy—places her project squarely in late medieval Japan.

The horizontal picture scroll, or *emaki*, was the most prestigious form of literature in Japan during the premodern era. Such scrolls, which typically measured about 30 centimeters in height, were unrolled and read from right to left. Complete examples survive from as early as the 12th century.

In the mid-15th century, a smaller format of scrolls emerged in Japanese culture. Known as *ko-e*, they measured just half the height of traditional hand scrolls. Though *ko-e* mark a key development in the history of Japanese art and visual culture, they have not garnered much scholarly attention.

This spring, McCormick brings *ko-e* into the spotlight with a new, beautifully illustrated book titled "Tosa Mitsunobu and the Small Scroll in Medieval Japan" (University of Washington Press). Her work, the first book-length study devoted exclusively to small scrolls, reveals the history of the genre, its cultural context, and the pictorial qualities that set *ko-e* apart from traditional hand scrolls. In particular, McCormick argues that the format offered viewers an intimate reading experience closely associated with modern notions of literature.

McCormick's study is focused on the works of Tosa Mitsunobu, an imperial court painter (active circa 1469-1522) and the courtier-scholar Sanjonishi Sanetaka (1455-1537).

"Because the scrolls are diminutive and because the stories are brief, scholars assumed that *ko-e* were 'children's literature,' in a pejorative sense," says McCormick. "But these are sophisticated and elaborate works of art, created for significant figures at the highest level of Japanese aristocracy."

The city of Kyoto was the center of *ko-e* production. Aristocrats commissioned the elaborate scrolls, selecting the finest authors and the most accomplished artists to write and illustrate the stories. Rare pigments and other precious materials were often used.

"Patronage of the scrolls reflected a desire among Kyoto aristocrats to serve as dynamic curators of the court's cultural heritage," McCormick says. "Many aristocrats took a proactive role in commissioning stories, offering their own libraries as references for the artists. It is fascinating to find traces of a patron's sensibility in a scroll."

McCormick explains that although *ko-e* could be made for many different types of audiences—young and old, male and female—most were produced with a specific reader in mind. Recovering the identities and historical contexts of these readers represents an important component of her research.

Most *ko-e* are short stories that can be read in a single sitting. Many examples focus on an individual protagonist and have a single plotline, often based on a tale of personal transformation.

"*Ko-e* are deceptively simple because they tend to follow the same pattern. Typically the protagonist comes to a realization about him or herself by the end of the tale," McCormick says. "That awareness is often related to Buddhist principles, in particular the illusory quality of earthly desires. But a great deal of literary tradition is folded into this basic template in allusive and subtle ways."

The pictures of *ko-e*, like most Japanese scrolls, were predicated on the idea that the painting surface would constantly be unscrolled leftward.

"The horizontality and perpetual motion of hand scrolls engendered an array of unique pictorial techniques that assumed a continuously unfurling visual field. Small-format scrolls further refined and distilled these techniques, and in many cases conceived of new forms of pictorial representation better suited to the small scale of *ko-e* and the rich, allusive nature of their stories," says McCormick. "They were not just miniature versions of larger scrolls, but a new genre that invited a different kind of engagement from the viewer."

In McCormick's view, works by the painter Mitsunobu represent some of Kyoto's finest *ko-e*.

"He was head of the official Painting Bureau and the leading artist of classical imagery in his generation," she says.

Mitsunobu collaborated for several decades with the courtier Sanjonishi Sanetaka, a leading literary scholar and calligrapher. Their partnership, McCormick argues, was essential to the development of the new format.

Sanetaka's diary, which he wrote in faithfully every day for more than 60 years, provides detailed information



Rose Lincoln/Harvard News Office

Melissa McCormick describes the visual language of a *ko-e*, a small format Japanese scroll.

about their collaboration and the effort required to complete a scroll.

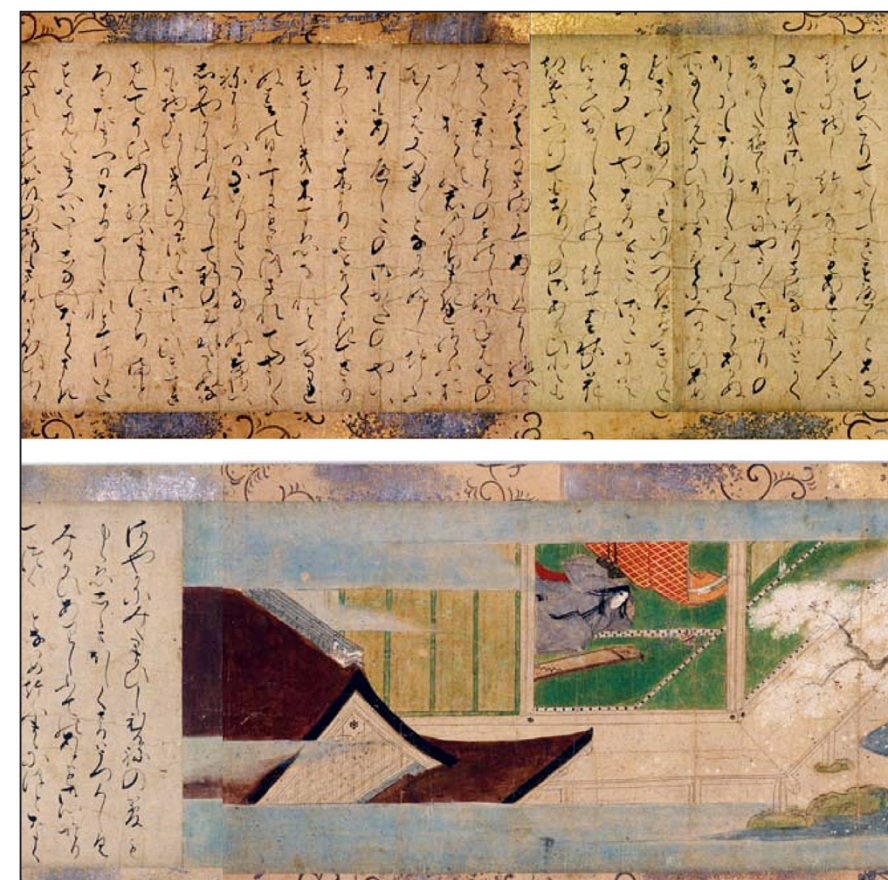
"The diary is an excellent resource for exploring the cultural and artistic life of late medieval Kyoto," McCormick says. "It also provides rare insight into the contingencies of painting production by a court artist 500 years ago."

Together, Mitsunobu and Sanetaka collaborated on a dozen painting projects. McCormick surveys many of these in her book, singling out three particularly revealing small-format scrolls for

detailed literary and pictorial analysis. "A Wakeful Sleep," for example, recounts the tale of a woman who falls in love with a man she has met only in dreams. She goes to a temple, miraculously discovers him there and they are united.

"Many of these tales appear straightforwardly didactic," says McCormick. "But close readings bring out countless idiosyncracies and even elements subversive of their own message. In doing so, they speak to the complexity of social customs and religious influences that pervaded Kyoto in the late 15th century. I hope the book will bring the visuality and color of medieval Japan to life for the reader."

Tosa Mitsunobu, 'A Wakeful Sleep (Utatane soshi emaki)' (left). Late 15th to early 16th century. One handscroll; ink, color, and gold on paper, 16.5-929.6 cm. National Museum of Japanese History, Chiba Prefecture.



## José Ortiz new deputy director of Art Museum

The Harvard Art Museum announced the appointment of José Ortiz as deputy director, effective March 2, 2009. Ortiz is currently deputy director/chief of finance and administration at the Smithsonian Institution's Hirshhorn Museum and Sculpture Garden in Washington, D.C. A skilled and innovative administrator, Ortiz has a strong record of managing world-class cultural institutions, combined with considerable business and private sector experience, including 13 years in financial services management.

"I am delighted to have José join our staff, and we are fortunate to gain someone with such a range of skills and talent at this crucial time in our planning for the future," said Thomas W. Lentz, Elizabeth and John Moors Cabot Director of the Harvard Art Museum, in the December announcement. "As we prepare for the renovation of our building on Quincy Street and begin to relocate a large part our staff and collections, José will play a key role in managing the logistics and enormous operational challenges that come with those projects. He also shares in the vision we have for enhancing our teaching and research mission by increasing access to our collections, expanding our audience, and creating a larger role for the Art Museum in Harvard's educational curriculum."

In June 2008, the Art Museum's building at 32 Quincy St., formerly the home of the Fogg and Busch-Reisinger museums, closed to prepare for a major renovation designed by renowned architect Renzo Piano. During this renovation, the Arthur M. Sackler Museum at 485 Broadway remains open and has been reinstalled with some of the finest works representing the collections of all three museums. When complete, the renovated historic building at 32 Quincy St. will house the three museums in a single, state-of-the-art facility.



Ortiz

"It is a time of great change and great promise for the Harvard Art Museum, and I am excited to be part of the team that will help realize the creation of a new central home for the Fogg, Busch-Reisinger, and Sackler museums," said Ortiz. "I also look forward to helping make the museums and their great collections even more accessible to a wider range of visitors, both at Harvard and beyond."

As deputy director/chief of finance and administration at the Hirshhorn, a position he has held since 2005, Ortiz oversees the daily operations and fiscal planning of the Smithsonian's museum dedicated to modern and contemporary art.

Ortiz also serves as project manager for all capital projects and space planning initiatives at the Hirshhorn. He has presided over improvements to the envelope of the museum's building (constructed in 1974), the renovation and expansion of the loading dock to accommodate contemporary works of art, and a redesign of the lobby and gift shop to improve the visitor experience. As a key component of the Hirshhorn's strategic plan, the initiative evaluated and addressed wayfinding, docent services, interpretive guides, and other communications tools to make the museum more accessible to a wider audience.

From 1996 to 2005, Ortiz served as manager for administration at The Cloisters in New York, managing the daily operations and administration of the branch of the Metropolitan Museum of Art dedicated to the art and architecture of medieval Europe. Prior to that, Ortiz held administrative positions at the Smithsonian Institution's Anacostia Museum in Washington, D.C., and the Museum of Television and Radio in New York (now the Paley Center for Media).

Ortiz is a graduate of Pace University and completed a graduate program with a master of arts degree in liberal studies and museum studies at New York University in 1994. He served two terms on the board of directors of the American National Committee of the International Council of Museums (ICOM-US) and presently serves as a board member on ICOM's International Management Committee (INTERCOM) and is a member of ICOM's Finance and Resources Standing Committee. Ortiz is a regular lecturer and panelist at national and international universities, museums, and conferences, particularly on the subjects of museum administration, leadership development, and management during times of change and transition.

# 'Symbiotic' Web archive launched

*Bernstein material available for first time*

By Lesley Bannatyne

*Music Department Communications*

A new Web archive created by faculty, students, and librarians at Harvard brings original research on Leonard Bernstein and his Boston roots to the public for the first time. The material, which went live on the Web on Jan. 23, was collected during undergraduate seminars and over the course of an international Bernstein Festival at Harvard.

The archive, which was supported by the Academic Technology Group, includes items as wide-ranging as the discovery of an alternate Bernstein arrangement of "Rhapsody in Blue" to interviews with individuals who performed in the teenaged Bernstein's backyard theatrical productions. The

bulk of material consists of student-conducted video interviews with Bernstein colleagues and family members, including the maestro's children, brother, and childhood friend and orchestrator for "West Side Story" Sid Ramin. What makes the effort unique is that the seminar's original work—done collaboratively by under-

graduate and graduate students supervised by faculty—has now been stored in a permanent research repository and can be used to inform future scholarship.

Its symbiosis of pedagogy and research is also unique. "As a child of Ukrainian Jewish immigrants to the Boston area, Bernstein offered students an extraordinary opportunity for hands-on exploration of how music interacts with diverse yet interconnected communities," says G. Gordon Watts Professor of Music and Professor of African and African American Studies Kay Kaufman Shelemay, one of the leaders of the seminar. Her collaborator in the project, William Powell Mason Professor of Music Carol J. Oja, adds: "For me, one of the most exciting aspects of this course was the degree to which students could experience palpable connections between the present and the past, especially

through work that we did at Bernstein's family synagogue, Congregation Mishkan Tefila, now located in Chestnut Hill."

The project emerged from the course "Before West Side Story: Leonard Bernstein's Boston," taught by Oja and Shelemay in spring 2006. Working in teams, students fused ethnography and archival research to explore the interlinking communities and institutions (Congregation Mishkan Tefila, Boston Latin High School, Harvard Class of '39, and the Boston Symphony Orchestra, among others) that shaped Bernstein's formative years. Students unearthed a wealth of materials now available on the Web site, some of which will be published in a special issue of the *Journal of the Society for American Music* (January 2009).

The seminar was timed to precede "Leonard Bernstein — Boston to Broadway," a major international festival and conference about Bernstein,

which was co-directed by Oja and Judith Clurman, a leader in the field of choral music. The festival took place at Harvard in October 2006. A second round of interviews was completed during the festival (as part of a fall 2006 Harvard seminar on American Musical Theater led by Oja), when students had focused conversations with some of the major luminaries in Bernstein's career including director and producer Hal Prince, and biographer Humphrey Burton.

These interviews, now archived on the Web site both on video and as transcripts, include information on many facets of Bernstein's life. His daughter Jamie talks about growing up in the Bernstein home; Ricky Leacock, Bernstein's Harvard classmate, shares memories about mounting productions of "Peace" and "The Cradle Will Rock"; and director Harold Prince reminisces about Bernstein's role as a teacher, mentor, and conductor, among many others.

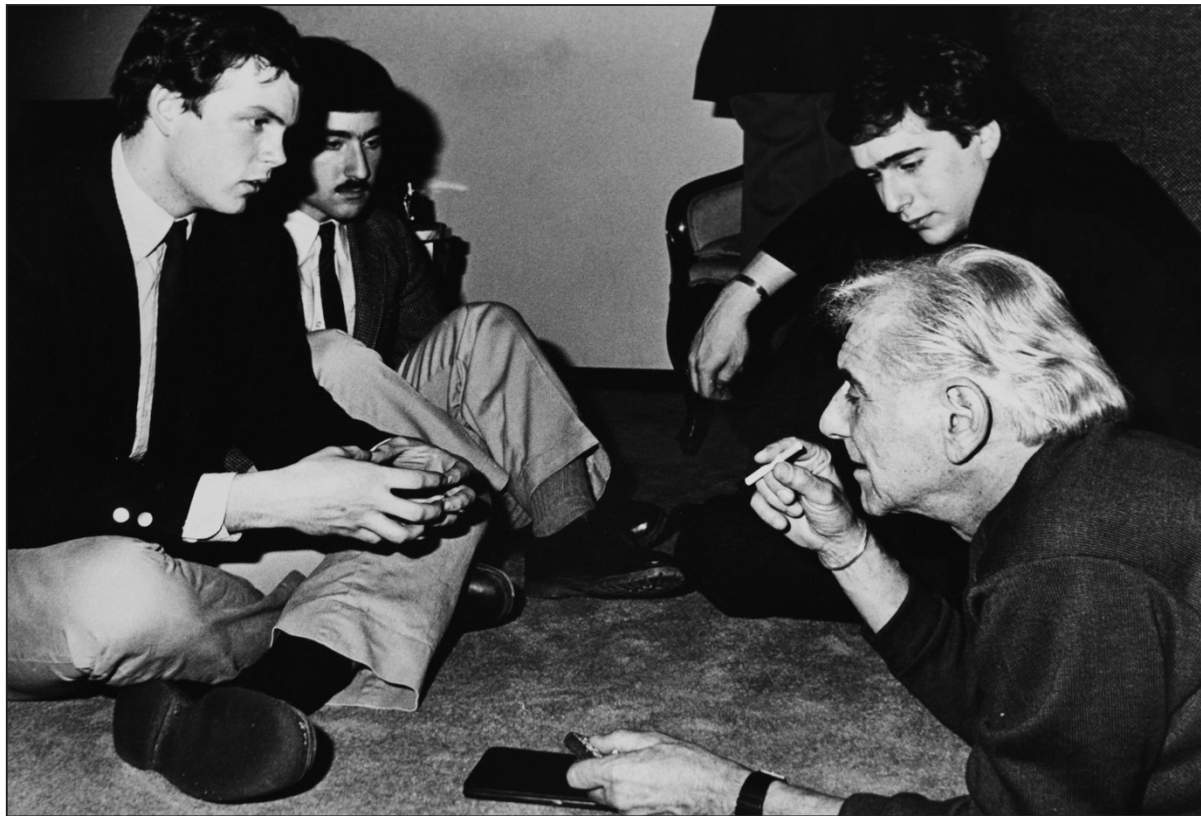
## video

Leonard Bernstein a cappella

[www.hno.harvard.edu/multimedia/videos.html](http://www.hno.harvard.edu/multimedia/videos.html)

## web archive

<http://my.harvard.edu/icb/icb.do?keyword=bernstein>



File photo/Harvard News Office

One of the photographs from the new Web archive on the great Leonard Bernstein (above right) shows him with members of the a cappella group, the Krokodiloes.

# Rubén Blades donates papers, recordings

By Peter Reuell

*HCL Communications*

He's attained fame as an award-winning actor and musician, founded a political party and run for president of his native Panama and served as the Panamanian minister of tourism, but now Rubén Blades LL.M. '85 will add another credit to his resume: Harvard College Library benefactor.

In December, Blades agreed to give his personal papers, including rare recordings of rehearsals and concerts, interviews and films, books, and other material to the Eda Kuhn Loeb Music Library.

"There aren't many archives for Latin American popular musicians," said Virginia Danielson, Richard F. French Librarian. "The arrival of the archive marks the opening of a whole new vein of intellectual pursuit and a new opportunity for study of Latin American popular culture. This is a big event for us, and, we hope, for the Latin American community."

"Rubén Blades has been a compelling presence, not just as a superstar singer-songwriter in multiple domains of Latin jazz and popular music, but also as an individual deeply engaged with the most pressing legal and political issues of our time," said Kay Kaufman Shelemay, the G. Gordon Watts Professor of Music. "Future researchers will no doubt seek

out the Rubén Blades Archive for the insights it offers into the relationship of music to the wider world."

The arrival of the archive at Loeb Music Library, Danielson said, is largely the result of the work of two people, José Massó, host of the popular radio program *iCon Salsa!* at WBUR, and Allison Weinstock, a Blades fan, who created *maestravida.com*, an online discography and song reference guide dedicated to Blades' career.

"José and Allison approached the Latin American, Spanish, and Portuguese Division of Widener Library Collection Development with the idea of giving the material they had amassed to Harvard," Danielson said. "Rubén liked the idea, and agreed to give his own material as well. When we looked at the contents of the collection, although it isn't all music, a lot of it is, so we decided to bring it to the Music Library. The papers that are particular to his role as an official in Panama probably will stay in Panama, but the Harvard collection will include documents associated with Blades' political interests alongside his musical work."

Among the items that will eventually be collected at Loeb: a complete collection of all LPs, CDs, and liner notes for Blades' recorded music, concert and rehearsal audio and video recordings, sheet music and arrangements, lyrics and translations, magazine and

newspaper interviews, clippings, photos and mementos.

"This collection will come to us gradually, over a period of years," Danielson said. "Right now, the material that's come in is mostly commercial productions, but the next things we'll get are unique video and audio recordings. That'll be the really interesting phase. It would be fair to say we expect the archive to entail hundreds of recordings, both commercially produced and unique. I think it will be the work of three to five years to collect it all and catalog it all."

"We're at the very beginning of this project now," Danielson added. "We expect the first components of the collection to be available in mid- to late-2009. The archive will be cataloged in HOLLIS, and we will probably handle this material with a finding aid in OASIS. Once we have a reasonable representation, we would probably announce the existence of the cataloging, with links so people could see how to get to the archive."

And considering Blades' wide-ranging impact on both popular culture and social issues, Danielson said she expects the archive to become the focus of a great deal of scholarship.

The collection is a sign of the College Li-



Peter Reuell/Harvard College Library

Donna Guerra, curatorial assistant in the archive of world music at Loeb Music Library, looks over a portion of the material donated by Rubén Blades.

brary's growing interest in popular culture, particularly popular culture in Spanish-speaking America. Considering Blades' popularity in the United States as well as Panama and Central America, the archive also raises questions for scholars related to issues like transnationalism and diaspora, Danielson said.

"Associate Librarian of Harvard College for Collection Development Dan Hazen and Lynn Shirey, the librarian for Latin America, Spain, and Portugal in Widener Library, have led a[n] ... acquisitions program in the Spanish-speaking world in recent years," she said. "It's not just normal books and serious journals, but newspapers and popular media. The music library very much wants to be part of the development of a good Hispanic collection, period."



Justin Ide/Harvard News Office

Justin Aikens (left) and Chris McEvoy of Lighthouse Electric install six wind turbines on the roof of Holyoke Center. The small-scale turbines are designed to harness energy from both lateral gusts and from wind drafts that climb the building's walls.

# Harvard turns wind into power

*Commitment to green energy continues with turbines on top of Holyoke Center*

By **Corydon Ireland**  
*Harvard News Office*

Watch your footing on those slippery winter sidewalks in Cambridge. But if you're at the corner of Dunster and Mt. Auburn streets, take a minute to look up.

About a hundred feet above is a glimpse of Harvard's green energy future: six small-scale wind turbines on the roof of the Holyoke Center — turning, turning, turning out a little power, thanks to nature.

As of late December, Harvard's 1960s-era office building on Massachusetts Avenue — 10 energy-hungry stories of glass and slab — is home to six rooftop AeroVironment (AV) wind turbines. Designed to generate a modest 1 kilowatt each, the 90-pound units make only enough juice to power 30 computers a day. (One kilowatt, equal to 1,000 watts, will keep 10 100-watt light bulbs burning.)

But the curvilinear turbines, spinning starlike at Holyoke's southwest corner, are an outward sign of Harvard's commitment to green power.

"Having wind turbines on Harvard's flagship office building is a major statement about Harvard's commitment to renewable energy," said James W. Gray, associate vice president at Harvard Real Estate Services (HRES). The group manages more than a quarter of the University's commercial and residential properties.

But Gray is quick to point out that the Holyoke wind project is not just symbolic. "You're offsetting expensive power here," he said, describing the New England region as "a high-cost electricity location."

The renewable power spun from the Holyoke turbines, modest as it is, still means Harvard draws that much less from a conventional power grid run large-

ly on fossil fuels. Gray said every little bit helps the University meet the ambitious sustainability goal it announced last summer: Reduce greenhouse gas emissions 30 percent below 2006 levels by 2016.

The Holyoke turbines, each about 6 feet tall and mounted on the roof's parapet, are designed to harness energy from both lateral gusts and from wind drafts

## Green Commitment,

[www.hno.harvard.edu/gazette/2008/10.23/99-gore.html](http://www.hno.harvard.edu/gazette/2008/10.23/99-gore.html)

that climb the building's walls. In search of peak winds, each turbine can track 30 degrees right and left, said HRES project manager Gregory Synnott.

The power they make is direct current, he said, which is then run through an inverter. From there, AC power feeds directly into the building's power grid.

The low-noise, low-vibration units allow the 3-foot blades to turn in winds as low as 4 mph.

AeroVironment, a California-based manufacturer specializing in efficient electrical energy systems and sleek unmanned aircraft, claims the units are not a hazard to passing birds or bats. The Holyoke turbines were also vetted and approved by the city of Cambridge for zoning and for aesthetic impact.

The turbines are part of an AV line called "architectural wind" systems: small, modular, visible, and designed to take advantage of wind dynamics at the edge of building rooftops.

Holyoke's wind-catching blades are one of two current HRES wind projects. The real estate management arm has plans to install a pair of slender pole-mounted wind turbines on the roof of Harvard's Soldiers Field Parking Garage. They're rated at a potent 10 kilowatts each. From 400 feet away on Western Av-

enue, the two Bergey Windpower Co. units will look like hovering dragonflies.

"Both of these installations are test installations," said Gray, and will be studied for operating efficiency and payback intervals.

Both wind projects are experimental, too, he said. The Holyoke units will test the efficacy of small-scale wind generation. The Soldiers Field project will test how well mid-size turbines work in a University context.

The two wind power sites are the only ones so far for HRES. In the meantime, the management unit is also drafting a "50-Plus" energy conservation plan: a list of "a hundred different things, big and little," said Gray — 50 for HRES residential properties and 50 for commercial properties.

The plan will roll out this year, mandating energy conservation and other sustainability measures. Low-flow water systems, for instance, have already been installed in 2,900 HRES-run graduate student apartments. The move is expected to cut 2009 water usage by 20 percent.

Tapping into wind, solar, geothermal, and energy conservation makes sense for HRES. About 21 percent of Harvard's energy costs come from properties managed by the Harvard real estate group, said Joseph Gregory, the HRES assistant director of sustainability. The 50-Plus program, he added, "includes a zealous pursuit of renewables."

HRES already manages three properties heated and cooled by geothermal energy, and later this year hopes to announce a large-scale solar project.

In pursuit of reducing greenhouse gases by 2016, said Gray, "we're going to be doing some renewable things at the same time we cut demand."

"It's going to take a lot of everything," he said, "to get to this bold goal."

## Global temp analysis clarifies warming details

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

An analysis of global temperatures between 1850 and 2007 has illuminated some climate change details, showing that winter temperatures have risen more rapidly than summer temperatures and that the seasons are coming nearly two days earlier than they were 50 years ago.

Perhaps most worrisome, however, is that none of the dozens of computerized climate models used by the Intergovernmental Panel on Climate Change — the globe-spanning collaboration of scientists that analyzes climate change scenarios — had predicted the earlier seasons.

"We're talking about over 60 different models and variants that are sometimes interpreted as showing the range of possibilities. It indicates the models are missing some important process," said Peter Huybers, assistant professor of earth and planetary sciences at Harvard who worked on the research. "There could still be surprises."

The research, conducted by Huybers and by colleagues at the University of California, Berkeley, Alexander Stine and Inez Fung, was published Jan. 21 in the journal *Nature*.

**environment** The study examined global temperature measurements compiled by the University of East Anglia's Climate Research Unit for variation in the annual temperature cycle.

Monthly temperatures rise and fall along a regular curve, with peak temperatures typically lagging peak solar radiation by about 30 days over land and 60 days over the ocean, because it takes more energy to heat the ocean than it does the land. The researchers found that the seasons are coming an average of 1.7 days earlier over land than they were 50 years ago.

The records also showed that during the last 50 years winter temperatures have risen nearly twice as fast as summer temperatures: 1.8 degrees Celsius in winter compared with a 1 degree Celsius increase in summer temperatures.

"We see 100 years where there is a seemingly natural pattern of variability and then we see a large departure from that pattern at the same time as global mean temperatures start increasing, which makes us suspect that there's a human role here," Stine said.

Biologists have also noticed large changes in the arrival time of many signs of spring over the same decades. Buds have been seen to pop open earlier, birds migrate earlier, snow melts earlier, and sea ice breaks up earlier. These changes, however, have been explained simply by the fact that the Earth is warming — the assumption being that the temperature in any given month has increased. In contrast, however, this new study finds that individual months have been warming at different rates, and that as a result, the peak summer temperature and bottom winter temperature now both come earlier in the calendar year.

Researchers examined possible mechanisms for the shifting seasons and found a relationship with a pattern of atmospheric circulation called the Northern Annular Mode, though this seems to explain only part of the shift. They are now looking for other mechanisms, including a hypothesized drying of the global soils, which would cause the land surface to respond more quickly to the sun, and changes in the amount of solar energy absorbed by the atmosphere due to industrial pollution.

"While the two-day shift toward earlier seasons is small compared to year-to-year changes at any one place, the average taken over many years and locations shows a distinct shift in the seasonal cycle by which we set so much of our lives," Huybers said. "This looks to be yet one more component of climate change."

# Harvard infuses local economy with jobs, funds, talent

*Research shows University creates jobs, attracts investors, boosts business*

By Colleen Walsh  
Harvard News Office

Amid a steady stream of dire economic news, new research released Jan. 15 shows that Harvard University continues to be a strong stabilizing force for the local economy.

The study by Applesseed, a New York-based research firm, found that Harvard's impact is as varied as it is vast, attracting hundreds of millions of research dollars to the region, generating thousands of local jobs, and infusing the local economy with \$4.8 billion last year alone.

"Harvard, like many of the area's re-

**For a pdf of the full report,**

<http://www.hno.harvard.edu/gazette/2009/02.05/99-jobs.html>

search institutions, serves as a powerful engine of innovation," said Harvard President Drew Faust, who offered a preview of the report's findings on Jan. 13 at a meeting of a group comprised of key business, labor, and civic leaders at the Federal Reserve.

"We are meeting in the midst of an economic crisis that is challenging the relationships between government, business, and labor in ways we have not contemplated before," Faust said. "I know that if we anchor our efforts in an understanding that our futures are intertwined, we can emerge from this turbulent time with a stronger foundation that will serve the people of Massachusetts and the country well for years to come."

Applesseed last studied Harvard's place in the local economy in 2004. Since then, the University has maintained its place as one of the largest private employers in Greater Boston, second only to Massachusetts General Hospital, and it continues to drive innovation, research, employment, and economic growth.

"The scale of Harvard's investment in research, innovation and quality of life makes it a particularly valuable asset, and provides a competitive advantage for Greater Boston that few other regions, in the U.S. or elsewhere, can match," said Hugh O'Neill, author of the report.

Between 2003 and 2008, employment at Harvard grew by 4.8 percent and today, the University directly employs 18,750 full- and part-time workers. In addition, Harvard's

role as a leading consumer of goods and services in the area supported the equivalent of 9,125 full-time jobs through Harvard suppliers and contractors in fiscal 2008. Overall, the report found more than 51,000 jobs with ties to Harvard.

While approximately 90 percent of Harvard's \$3.5 billion annual operating budget comes from sources outside the Boston area, two-thirds of the University's budget, or \$2.6 billion, is spent locally, the report found. Additionally, through its creation of jobs, spending on purchasing, construction, goods, and services, the spending of students and visitors drawn to the area, and the activities of businesses with roots at Harvard, the University's overall impact to the local economy in 2008 was \$4.8 billion.

"In a global economy it's increasingly important that a world-class institution like Harvard maintain its role as a major economic engine for the area, creating jobs, providing education, and generating critical research, which can then be commercialized for the regional economy," said Paul Guzzi, president and CEO of the Greater Boston Chamber of Commerce.

Harvard's role as a center for groundbreaking study and research continues to infuse the local economy with a wealth of

knowledge, talent, and funding, the report said.

In fiscal year 2008 Harvard spent \$660 million on research, almost all of which was funded by the federal government and other resources outside the region. In addition, such research often lays the foundation for the creation of new companies, another important source of revenue and talent for the area.

"In the last two years alone, two dozen new Boston-area companies with roots at Harvard have secured more than \$280 million in venture capital and other private equity financing," said Faust.

Because of the region's robust higher-education sector, Faust said, there is a prevalent "culture of innovation" that acts as "an incubator for future waves of ingenuity."

"Some of the leading companies we are all familiar with in these [tech and bio-tech] industries — like Biogen Idec and Akamai — can trace their roots to Harvard, MIT, and other Boston universities," she added.

As one of the world's top universities, Harvard significantly contributes to the growth of the region's human capital, each year bringing thousands of outstanding students to the area for undergraduate, graduate, and professional programs. Many of

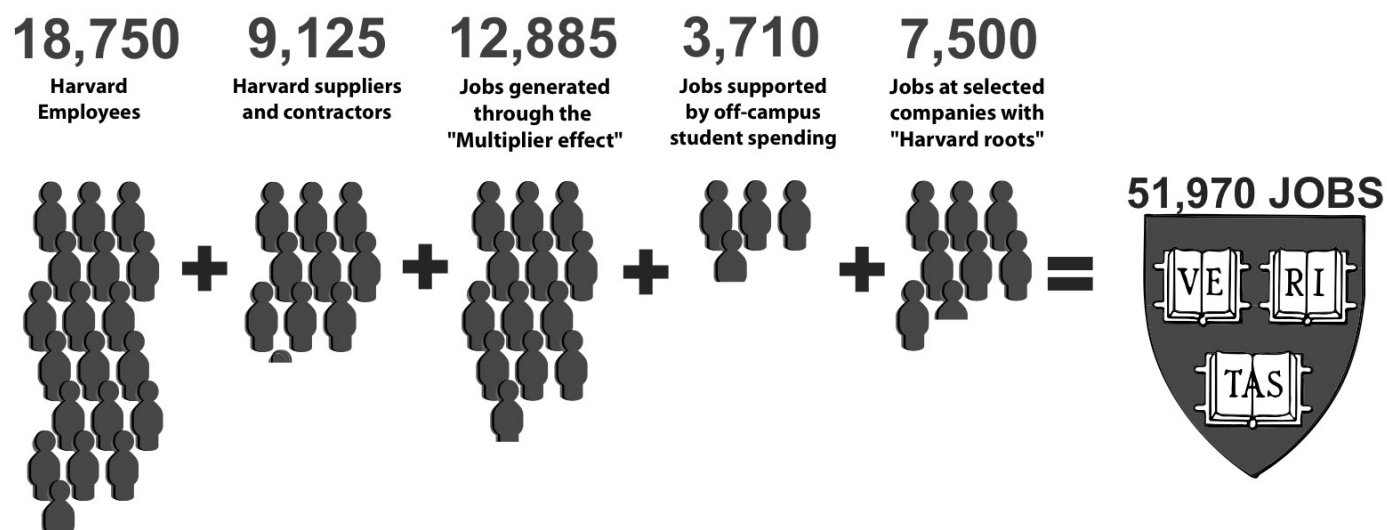
these graduates choose to remain in the area when they begin their careers.

In the fall of 2007, the report said, more than 20,000 students were enrolled in Harvard's undergraduate and graduate programs. The University's graduate and professional programs have grown in recent years, with total enrollment increasing by 12.5 percent between 1997 and 2007.

Harvard also supports area elementary and high school students through initiatives such as the Harvard Crimson Summer Academy, a program for high-performing, low-income high school students from Boston and Cambridge. The program brings students to the campus to engage in classes, field trips, recreational activities, and mentoring relationships to help prepare them for a college career. In addition, Harvard students perform hundreds of thousands of hours of community service in the neighborhoods of Boston and Cambridge every year, according to the report.

"The Boston area's colleges and universities are among the region's most valuable resources," said O'Neill. "They are an anchor of economic stability and a vital source of the new talent, new knowledge, new ideas, and new businesses that drive the growth of the Boston-area economy."

## Harvard's total employment impact in the Boston area, 2008



Gervis A. Menzies Jr./Harvard News Office

## Foundation gives \$10M gift for cancer vaccine research and life sciences

The Blavatnik Family Foundation, headed by Len Blavatnik M.B.A. '89, has given Harvard University two gifts totaling \$10 million in support of its scientific and technological research. Half the gift will go to the Eli and Edythe L. Broad Institute of Harvard and MIT to support cancer vaccine research, and half will go to the Harvard University Technology Development Accelerator Fund, which seeds highly promising early-stage research in the life sciences.

"We are deeply grateful to the Blavatnik Family for their support of these powerful avenues for transformative scientific progress," said Harvard University Provost Steven Hyman. "As one of the world's foremost research universities, Harvard has a special obligation to foster the development and translation of scientific insights that could benefit the public and society as a

whole. These generous gifts will allow us to continue to fulfill that obligation."

These two gifts from the Blavatnik Foundation strengthen Harvard University's commitment to advancing innovative scientific research that serves the public interest. The foundation's \$5 million gift to the Broad Institute will support the research of Professors Nir Hacohen and Catherine Wu of the Department of Medicine at Harvard Medical School. Hacohen and Wu are working to develop personalized cancer vaccines using genome-based identification of mutated tumor proteins (neoantigens). The goal of their research is to direct a patient's own immune system to attack and eradicate a tumor based on the presence of these foreign neoantigens that are present only in the cancer cells. If successful, the development of personalized cancer vaccines will trans-

form the way we treat cancer.

The Blavatnik Foundation's \$5 million gift to the Harvard University Technology Development Accelerator Fund will further the development of early-stage technologies that support progress in the life sciences — ultimately benefiting the public at large. The Accelerator Fund helps bridge the funding gap that leaves many promising technologies sitting on laboratory shelves, providing funding to move discoveries to the stage where traditional venture capital funds and industry might invest in them and develop their life-saving potential.

"I am proud to support Harvard University's visionary activities in the realm of scientific and technological research," said Blavatnik. "Harvard is consistently in the forefront of health and life science discoveries and I am very hopeful that these two

significant grants by the Blavatnik Family Foundation will help to facilitate further breakthroughs benefiting all mankind."

Launched in 2004, the Broad Institute is a scientific community of celebrated faculty, professional staff, and students from Harvard, the Massachusetts Institute of Technology, and other organizations working together to reach new scientific frontiers in genomic medicine.

Managed by the Office of Technology Development, the Harvard University Technology Development Accelerator Fund supports early-stage research in nascent technologies that have commercial potential and support public interest. Award recipients are chosen on scientific merit and the technology transfer potential of their proposals. In 2008, a total of nine projects were funded at \$1.51 million.

# Gene therapy demonstrates benefit in patients with rheumatoid arthritis

Researchers have reported the first clinical evidence that gene therapy reduces symptoms in patients with rheumatoid arthritis (RA), an important milestone for this promising treatment. Described in the February issue of the journal *Human Gene Therapy*, the findings stem from a study of two patients with severe rheumatoid arthritis conducted in Germany and led by an investigator at Beth Israel Deaconess Medical Center (BIDMC).

“This study helps extend gene therapy research to nongenetic, nonlethal diseases,” ex-

plains principal investigator Christopher Evans, director of the Center for Advanced Orthopaedic Studies at BIDMC. “Rheumatoid arthritis is an extremely painful condition affecting multiple joints throughout the body. Arthritis is a good target for this treatment because the joint is a closed space into which we can inject genes.” Evans is also the Maurice Müller Professor of Orthopaedic Surgery at Harvard Medical School.

A classic autoimmune disease, RA develops when, for unknown reasons, the body’s immune system turns against itself, causing joints to become swollen and inflamed. Al-

though anti-inflammatory agents and biologics can help to mitigate symptoms, there is no cure for the condition, which affects millions of individuals.

Evans has spent many years studying the molecules responsible for the breakdown of cartilage in patients with arthritis, identifying interleukin-1 as a good target. But, he says, once he had this answer, another question was not far behind: How could he effectively reach the joints to block the actions of this protein?

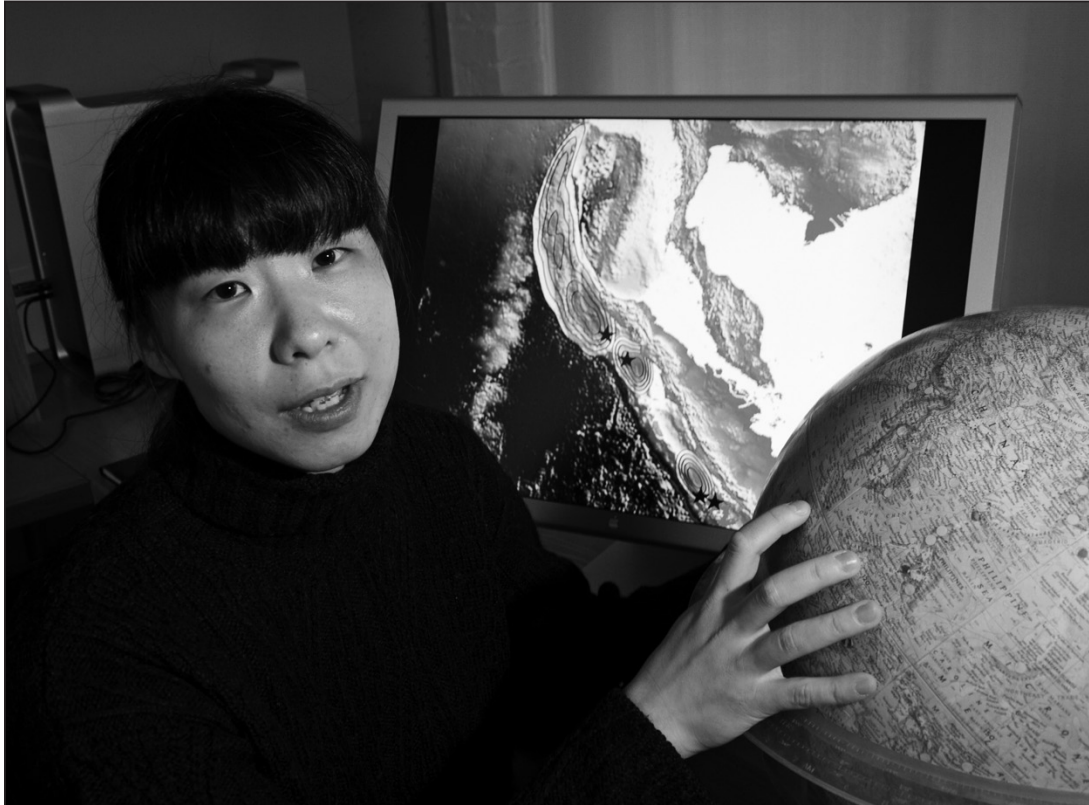
Gene therapy provided the answer.

By implanting a gene in the affected joint,

Evans was able to stimulate production of a human interleukin-1 receptor antagonist protein, which serves to block actions of the interleukin-1 protein.

“The idea is that by remaining in place, the new gene can continuously block the action of the interleukin-1 within the joints,” he says. “In essence, the gene becomes its own little factory, continuously working to alleviate pain and swelling.”

“This paper,” Evans adds, “provides us with the first real evidence that painful symptoms can indeed be lessened through gene therapy.”



Jon Chase/Harvard News Office

Through her research, Miaki Ishii, an assistant professor of earth and planetary sciences, is hoping to shed light on the composition of the Earth’s mantle — the thick layer that makes up most of the planet’s bulk, which lies between the thin, geologically active crust and the Earth’s core.

## The Earth tide also rises — and recedes

*Miaki Ishii rides and reads the Earth tide to learn about the planet’s internal structure*

By Alvin Powell  
Harvard News Office

Once a day, Miaki Ishii rides the Earth tide, rising slowly — along with her desk, chair, and entire office — 20 to 30 centimeters before sinking back again.

Ishii isn’t alone on her little journey. She makes it with the rest of us, together with our desks and chairs, houses and office buildings, rising in concert as the solid earth responds to the tug of the moon and the sun.

The Earth tide is a little-known daily event, similar to the oceans’ more familiar tides. But the sun and moon’s gravity doesn’t just pull on water, it deforms the Earth itself, causing the ground beneath us to bulge toward the pulling heavenly body.

Of course, the change is so gradual and occurs across such a large portion of the Earth’s surface that it’s imperceptible to us.

But Ishii isn’t just along for the ride. An assistant professor of earth and planetary sciences, Ishii is reading the Earth tide for what it can tell her about Earth’s internal structure. Together with Jim Davis at the Harvard-Smithsonian Center for Astro-

physics, Ishii is using the global positioning system (GPS) network to search for lumps and bumps and deformities and comparing them with what would happen to a hypothetically uniform Earth.

Ishii is hoping to shed light on the composition of the Earth’s mantle — the thick layer that makes up most of the planet’s bulk, which lies between the thin, geologically active crust and the Earth’s core. Geologists believe the mantle is alive: its rocks and minerals, made plastic by the enormous heat and pressure, move in huge, slow convection cycles that Ishii likened to the slow-moving blobs of a lava lamp. Ishii is seeking to understand those cycles and the structures within the mantle, looking for enormous, continent-sized blocks that migrate upward and then cycle back down over long reaches of time.

Parsing the Earth tide for what it can tell her about the mantle’s structure is just one of Ishii’s research directions. Another major focus has the potential to one day lead to more effective earthquake detection and warning systems.

Ishii is working on a better, faster way to locate and characterize earthquakes through back projection of the enormous

seismic waves a quake generates. With this method, Ishii hopes that early warnings can be faster and more accurate than they are now. She uses one of the most dramatic recent examples to illustrate what’s at stake: the 2004 Sumatran earthquake that generated a devastating tsunami in the Indian Ocean basin.

Early estimates of that earthquake’s size were conflicting, with some as low as 6.2 and others over 8.0. It was 19 hours after the quake when the first estimate of 9.0 was made and another month before an estimate of 9.2, which is accepted as the quake’s actual strength, Ishii said. That means that tsunami warnings, when they went out, didn’t accurately predict the wave’s size. Though it’s questionable whether even an accurate warning would have helped mitigate the extreme devastation caused by the waves, it’s possible some lives might have been saved.

“Seismic waves propagate like they would if you threw a pebble in a pond,” Ishii said. “You get ripples propagating away from the stone. If you look at it, you know almost immediately where the stone was thrown. With seismic waves, we back-pro-

(See *Ishii*, next page)

## RESEARCH IN BRIEF

### Milky Way bigger than thought

Our own Milky Way galaxy, long considered a “little sister” to the larger Andromeda Galaxy, is all grown-up, according to new research. The findings, presented at a Jan. 5 meeting of the American Astronomical Society in Long Beach, Calif., by Harvard-Smithsonian Center for Astrophysics (CfA) researchers, show that the galaxy has about 50 percent more mass — about the same as Andromeda — and is rotating about 100,000 mph faster than previously thought.

The larger stature has a downside, however. With greater mass, our galaxy exerts greater gravitational pull, which increases the likelihood of collisions with the Andromeda galaxy or smaller nearby galaxies.

Harvard-Smithsonian researchers also presented new findings on star and planet formation at the meeting. New research led by Thayne Currie of the CfA shows that giant planets like Jupiter must form relatively quickly out of the material surrounding a new star because that material is all but exhausted in 5 million years.

For full story, [www.harvardscience.harvard.edu/foundations/articles/milky-way-bigger-faster-previously-thought](http://www.harvardscience.harvard.edu/foundations/articles/milky-way-bigger-faster-previously-thought)

### Exotic force seen for first time

For the first time, researchers have measured a long-theorized force that operates at distances so tiny they’re measured in billionths of a meter, which may have important applications in nanotechnology as scientists and engineers seek new ways to create devices too small for the eye to see.

The advance, by researchers from Harvard University and the National Institutes of Health (NIH), used a novel combination of materials to create a repulsive Casimir force, which pushes apart certain materials when separated by distances so tiny — between 20 nanometers and 100 nanometers — that they’re nearly touching.

The force, which decreases in strength as the distance between the two materials increases, may provide a new means to build ultra-low friction and other nanoscale devices, such as new types of compasses, accelerometers, and gyroscopes.

“Repulsive Casimir forces are of great interest since they can be used in new ultra-sensitive force and torque sensors to levitate an object immersed in a fluid at nanometric distances above a surface,” said Federico Capasso, Robert L. Wallace Professor of Applied Physics at Harvard’s School of Engineering and Applied Sciences (SEAS), who led the study. “Further, these objects are free to rotate or translate relative to each other with minimal static friction because their surfaces never come into direct contact.”

For full story, [www.harvardscience.harvard.edu/foundations/articles/researchers-see-exotic-force-first-time](http://www.harvardscience.harvard.edu/foundations/articles/researchers-see-exotic-force-first-time)

# HGSE professor appointed to Gates Foundation

Harvard Graduate School of Education (HGSE) Professor Thomas J. Kane has been appointed deputy director of education for the U.S. Programs division at The Bill & Melinda Gates Foundation. Kane will remain on faculty at the HGSE, where he has been a professor and faculty director of the Project for Policy Innovation in Education since 2005.

A nationally recognized education policy expert, Kane will lead the foundation's research efforts to help ensure that all students graduate high school ready for the challenges of college and the workplace.

"Tom is uniquely suited to assist the Gates Foundation as they develop a strate-

gy for investments in education research," said HGSE Dean Kathleen McCartney. "His work in the field has greatly influenced America's efforts to strengthen education policy."

Kane and his colleagues have collaborated with school districts around the country, using data to evaluate hiring and certification policies for teachers, public school choice systems, and effects of charter and pilot schools on student outcomes. In his work at the foundation, he hopes to build on that experience, encouraging more districts and states to use data to evaluate programs and policies.

"The stockpile of student achievement data...is a valuable national resource, one that

holds promise for reinventing the way education research is done," said Kane. "The Gates Foundation is committed to using those data to learn what's working and what's not. We cannot make the rapid progress we seek without continuously learning from our efforts."

"Tom's work and his leadership in education have helped transform America's mindset when it comes to improving our schools, supporting teachers, and raising student achievement," said Vicki L. Phillips, director of the foundation's education division. "He'll make sure we're getting our facts right, asking the right questions, and taking the right steps to put all students on the path to success."

## The genes in your congeniality

*Researchers identify genetic influence in social networks*

By Amy Lavoie  
*FAS Communications*

Can't help being the life of the party? Maybe you were just born that way. Researchers from Harvard University and the University of California, San Diego, have found that our place in a social network is influenced in part by our genes, according to new findings published in the Proceedings of the National Academy of Sciences.

This is the first study to examine the inherited characteristics of social networks and to establish a genetic role in the formation and configuration of these networks.

The research was conducted by Nicholas Christakis of Harvard, who is professor of sociology in the Faculty of Arts and Sciences and professor of medical sociology at Harvard Medical School, and Christopher Dawes and James Fowler, both of UC San Diego.

"We were able to show that our particular location in vast social networks has a genetic basis," says Christakis. "In fact, the beautiful and complicated pattern of human connection depends on our genes to a significant measure."

While it might be expected that genes affect personality, these findings go further, and illustrate a genetic influence on the structure and formation of an individual's social group.

The researchers found that popularity, or the number of times an individual was named as a friend, and the likelihood that those friends know one another, were both strongly heritable. Additionally, location within the network, or the tendency to be at the center or on the edges of the group, was also genetically linked. However, the researchers were surprised to learn that the number of people named as a friend by an individual did not appear to be inherited.

The study included national data (from the National Longitudinal Study of Adolescent Health) for the social networks of 1,110

adolescent twins, both fraternal and identical. The researchers compared the social networks of the identical twins to those of the fraternal twins, and found greater similarity between the identical twins' social network structure than the fraternal twins' networks.

There may be an evolutionary explanation for this genetic influence and the tendency for some people to be at the center while others are at the edges of the group, according to the researchers. If a deadly germ is spreading through a community, individuals at the edges are least likely to be exposed. However, to gain access to important information about a food source, being in the center of the group has a distinct benefit.

"One of the things that the study tells us is that social networks are likely to be a fundamental part of our genetic heritage," says Fowler, associate professor of political science at UC San Diego. "It may be that natural selection is acting on not just things like whether or not we can resist the common cold, but also who it is that we are going to come into contact with."

The findings also illuminate a previously unknown limitation of existing social network models, which had assumed that all members behave as interchangeable cogs.

To address these intrinsic differences in human beings that contribute to the formation of social networks, the researchers have created a new mathematical model, called the "attract and introduce" model, which is also explained in this paper and supports the genetic variation of members.

This model creates networks that very closely simulate actual human social networks, and, using this model, they found that when someone was placed in any virtual network, they gravitated toward the same place within the network. Because both health behaviors and germs spread through social networks, understanding how contagions flow through social networks has the potential to improve strategies for addressing public health concerns such as obesity or the flu.

"I think that going forward, we are going to find that social networks are a critical conduit between our genes and important health outcomes," says Fowler. Fowler and Christakis have also published on other aspects of social networks, such as the spread of obesity, smoking, and happiness.

The research was funded by the National Institute on Aging and the National Science Foundation.

*amy.lavoie@harvard.edu*

## Ishii

*(Continued from previous page)*

ject the curvature of the ripples to see where the ripples started. If you can get the data in real time, this is a quick and easy method to get the magnitude."

Jim Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics, who also conducts work on earthquakes, said that Ishii's back projection methods are groundbreaking. They rely on dense networks of seismic instruments, such as those that exist in Japan and which are under construction in the United States. By analyzing when earthquake waves arrive at different instruments, she can map out the wave and its source.

"This is really remarkable work," Rice said.

The new method, which Ishii estimates is still a year from completion, could also be useful for researchers seeking to create more complete catalogs of earthquakes around the world. Though the U.S. catalogue of earthquakes is complete down to magnitude 3, Ishii said the catalogs in many countries include only the stronger quakes, magnitude 5.5 or above. By being able to back-project earthquakes to accurately determine their strength and location, researchers will have a tool to better understand the occurrence of earthquakes around the world.

"If you have a better catalog, you can understand earthquakes better and understand what sorts of quakes to expect in the future," Ishii said.

The third avenue of research being pursued by Ishii also depends on earthquakes, though this time as measuring tools, rather than study subjects. Ishii is using the seismic waves created by stronger quakes to understand the Earth's structure. During her doctoral work at Harvard earlier this decade, Ishii and Adam Dziewonski, the Frank B. Baird Jr. Professor of Science, examined the records of hundreds of thousands of earthquake waves and detected a new region, thought to be just 360 miles in diameter, at the Earth's center.

In similar work, Ishii is monitoring the waves from stronger earthquakes — magnitude 5.5 or 6 or stronger, watching to see whether and where they slow down and speed up as they pass through the Earth.

Though the work is dependent on earthquakes strong enough so their waves pass through the Earth's core, Ishii said those stronger earthquakes are surprisingly common. There's an earthquake of 6.0 magnitude somewhere on Earth roughly once a week, while as many as 10 5.5 magnitude quakes occur in a week. Despite their size, we don't hear about them because most occur far from civilization, in remote continental locations or along mid-ocean ridges deep under the sea.

One area of focus is subduction zones, where continental plates dive below each other, creating ridges of volcanoes fed by the melting rock below. Ishii described the zones as places of intense geologic activity, with different chemistry, different materials, and different dynamics than other places, all resulting in the Earth itself being recycled. The areas are also rife with earthquakes, Ishii said, so the waves generated by those quakes can be studied.

"There are lots of things going down and also coming up through volcanoes, so there's lots of information. The goal is to come up with a better view of a subduction zone from a seismic point of view," Ishii said. "It is actually an Earth factory."



File Dominick Reuter/Harvard News Office

**Nicholas Christakis, professor of sociology in the Faculty of Arts and Sciences: 'We were able to show that our particular location in vast social networks has a genetic basis. In fact, the beautiful and complicated pattern of human connection depends on our genes to a significant measure.'**

# Calendar

Events for February 5-19, 2009



Photo by Eric Antoniou

The Dance Program at the Office for the Arts presents 'Boston Ballet Dance Talks: Kylián's Black and White Ballets' today (Feb. 5). A discussion of the innovative Czech choreographer Jiri Kylián with guest speaker Roslyn Anderson, stager for the Kylián Foundation, will take place at the Harvard Dance Center, 60 Garden St., at 7 p.m. Boston Ballet dancers will perform selections from the repertoire. Tickets are \$10 general, free for Harvard students (one per ID), and are available through the Harvard Box Office (617) 496-2222. See also [www.fas.harvard.edu/dance](http://www.fas.harvard.edu/dance).

ABOVE: Boston Ballet performing Jiri Kylián's 'Falling Angels'

## concerts

Sat., Feb. 7—"The Pusey Room Recital Series." (The Memorial Church) Shiau-uen Ding, pianist, plays music of the 20th and 21st centuries. Pusey Room, the Memorial Church, 3 p.m. Free and open to the public. [carson\\_cooman@harvard.edu](mailto:carson_cooman@harvard.edu).

Sat., Feb. 7—"Ladysmith Black Mambazo." (Harvard Box Office) Ladysmith Black Mambazo performs *mbube*, South African a cappella singing. Sanders Theatre, 8 p.m. Tickets are \$40/\$32/\$28 general. Harvard Box Office (617) 496-2222.

Sat., Feb. 7—"Abhyasa." (Harvard College Sangeet) South Asian music by the Harvard College Sangeet. Tickets are \$7 general; \$3 Harvard students (2 tickets per ID). Lowell Lecture Hall, 17 Kirkland St., 7 p.m.

Fri., Feb. 13—"Brad Mehdau, Anne Sofie von Otter, & Bengt Forsberg." (Harvard Box Office) Pianists Mehdau and Forsberg with mezzo-soprano von Otter. Sanders Theatre, 8 p.m. Tickets are \$55/\$45/\$35. Harvard Box Office (617) 496-2222.

Sat., Feb. 14—"That's (J) Amore!" (Harvard Din & Tonics, Harvard-Radcliffe Veritones) Concert with Din & Tonics and Veritones. Sanders Theatre,

8 p.m. Tickets are \$10 general; \$7 students/senior citizens. Harvard Box Office (617) 496-2222.

Thu., Feb. 19—"Ligeti, Lutoslawski, Rachmaninoff." (Harvard Box Office) The Boston Philharmonic Orchestra conducted by Benjamin Zander. Sanders Theatre, 7:30 p.m. Tickets are \$70/\$55/\$40/\$15 general; \$5 off students/senior citizens/Coolidge Corner Theatre; half-price, MTA; O&A 20 percent off; \$8 RUSH tickets, cash only, available 90 min. prior to concert (2 per ID for students, 1 per person for senior citizens). Harvard Box Office (617) 496-2222.

Thu., Feb. 19—"Pope.L Public Lecture and Performance Piece." (Carpenter Center, OfA, Du Bois Institute) Lecture and performance piece by William Pope.L, famed multimedia and performance artist. Featuring the Corbu Pop Singers, a group of undergraduate entertainers dressed in "Le Corbusier" outfits, chosen to sing and compose under the tutelage of Pope.L. Main gallery, lecture hall, Carpenter Center, 24 Quincy St., 6 p.m. A reception and performance piece to follow lecture. (617) 495-3251, [tblanch@fas.harvard.edu](mailto:tblanch@fas.harvard.edu), [www.ves.fas.harvard.edu](http://www.ves.fas.harvard.edu).

## dance

Thu., Feb. 5—"Boston Ballet Dance Talks: Kylián's Black and White

**Ballets.** (Dance, OfA) A discussion of the innovative Czech choreographer Jiri Kylián and his "Black and White" ballets, with guest speaker Roslyn Anderson, stager for the Kylián Foundation. Boston Ballet dancers will perform selections from the repertoire. Harvard Dance Center, 60 Garden St., 7 p.m. Tickets are \$10 general; free for Harvard students (1 per ID). Harvard Box Office (617) 496-2222. [www.fas.harvard.edu/dance](http://www.fas.harvard.edu/dance).

## opera

**Dunster House Opera Society** Fri., Feb. 6-Sat., Feb. 14—"The Rake's Progress," Stravinsky's classic Faustian story, follows Tom Rakewell, who deserts his true love for the enticing delights of London and the mysterious Nick Shadow. Performed by an all-undergraduate cast and orchestra. Music directed by Yuga Cohler '11; stage directed by Victoria Crutchfield '10; produced by Clara Kim '09 and Matthew Bird '10. —Performances take place in Dunster House Dining Hall, 8:30 p.m. Tickets are \$20 general; \$15 senior citizens; \$10 students; \$8 Dunster residents. Tickets are available through the Harvard Box Office (617) 496-2222.

## theater

**Agassiz Theatre** Thu., Feb. 12-Fri., Feb. 13—"Vagina

**Monologues** is Eve Ensler's funny and poignant show that dives into the mystery, humor, pain, power, wisdom, outrage, and excitement buried in women's experiences. This is a complete and utter celebration of being female and of female sexuality, as well as a plea to stop violence against women. —Performances take place at Agassiz Theatre, 10 Garden St., Radcliffe Yard, 8 p.m. Tickets are \$12 general; \$8 students/Harvard ID holders/senior citizens. Tickets are available through the Harvard Box Office (617) 496-2222.

**American Repertory Theatre** Fri., Feb. 6-Sat., Feb. 14—"Aloha, Say the Pretty Girls" is Naomi Iizuka's hilarious romp that follows young Generation X-ers in their quest for love and identity. Strangers, friends, lovers, and acquaintances travel the globe from Alaska to Hawaii and from NYC to Inner Borneo in this wild comedy. Directed by Lindsay Albaugh. Presented by the A.R.T./MXAT Institute for Advanced Theatre Training. —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).

Sat., Feb. 14-Sun., March 15—"Endgame" is Samuel Beckett's spare,

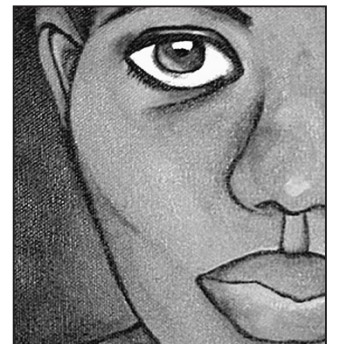
enigmatic, and absurdly funny drama — one of the greatest of the modern age. An existential comedy and a domestic tragedy, it charts a day in the life of a family fallen on mysteriously hard times. Directed by Marcus Stern.

Thu., Feb. 19—"Under 35 Night." 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. 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).

## film

Wed., Feb. 11—"Meet the Filmmakers. Sensory Ethnography: New Harvard Student Ethnographic Works." (Peabody Museum) Screening of "Songhua" by J.P. Sniadecki and "Mud Missive" by Fatin Abbas. Discussion to follow. Auditorium, Fairchild Building, 7 Divinity Ave., 5:30 p.m.

## Inside



### Am I blue?

Artist explores blueness, blackness, and Irishness

Page 27

### Brazil Studies Program, DRCLAS

Film screenings take place in Tsai Auditorium, CGIS South, 1730 Cambridge St.

Tue., Feb. 17—Barreto's "O Que E Isso, Companheiro?" (1997) 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., Feb. 5—No screenings  
Fri., Feb. 6—"The Nervous Art of Ken Jacobs" at 7 p.m. Director Ken Jacobs in person.

Sat., Feb. 7—Jacobs' "Nervous Magic Lantern Slide Performance" at 7 p.m., followed by "Capitalism: Child Labor." Director in person.

Sun., Feb. 8—Jacobs' "Razzle Dazzle" at 3 p.m. Ophuls' "Letter from an Unknown Woman" at 7 p.m., followed by "From Mayerling to Sarajevo" at 9:30 p.m.

Mon., Feb. 9—Ophuls' "The Reckless Moment" at 7 p.m., followed by "The Exile" at 8:45 p.m.

Tue., Feb. 10—Free VES screening: "In the Mood for Love" (2000) at 7 p.m.

Wed., Feb. 11—Free VES screening: "Germany Year Zero" (1946) at 7 p.m.

Thu., Feb. 12—No screenings  
Fri., Feb. 13—Friedkin's "The Exorcist" and "Linda Blair Screen Tests" at 7 p.m., followed by "To Live and Die in L.A." at 9:30 p.m.

Sat., Feb. 14—Friedkin's "Cruising" at 7 p.m., followed by "The Boys in the Band."

Sun., Feb. 15—Friedkin's "The

(Continued on next page)

(Continued from previous page)

**“Birthday Party”** at 3 p.m., followed by **“Knight’s Honor”** at 7 p.m. Director in person.

Mon., Feb. 16—Serra’s **“Birdsong”** and **“Waiting for Sancho”** at 7 p.m. Director in person.

Tue., Feb. 17—Free VES screening: **“2046”** (2004) at 7 p.m.

Wed., Feb. 18—Free VES screening: **“Battleship Potemkin”** (1925) at 7 p.m. Thu., Feb. 19—No screenings

Fri., Feb. 20—Friedkin’s **“The French Connection”** and **“The People vs. Paul Crump”** at 7 p.m. Director in person.

#### 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](http://www.realcolegiocomplutense.harvard.edu).

Fri., Feb. 6—Fernández’s **“Oscar, una pasión surrealista”** (2008) at 7:30 p.m.

Fri., Feb. 13—Gutiérrez’s **“3 días”**

## 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:**  
Calendar editor  
Harvard Gazette  
1350 Massachusetts Avenue  
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.

(2008) at 7:30 p.m.

Fri., Feb. 20—Bardem’s **“Muerte de un ciclista”** (1955) 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](mailto:mail@whrb.org), [www.whrb.org](http://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](mailto:loe@npr.org), [www.loe.org](http://www.loe.org).

## exhibitions

#### Arnold Arboretum

##### “Interpreting an Urban Wild:

**Illustrations by Anne Parker Schmalz”** features illustrated interpretive signs that encourage travelers in Bussey Brook Meadow to look closely at this unique urban wild within the Arnold Arboretum. These precise illustrations, rendered in ink and delicate watercolor pencil, serve equally well as works of art and educational tools. (Through March 22)

—*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](http://www.arboretum.harvard.edu).

**“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](http://www.arboretum.harvard.edu).

#### Cabot Science Library

**“Rethinking the Darwinian Revolution”** explores the Darwinian revolution and why Darwin still packs such a punch today. Open to the students from Janet Browne’s history of science class. (Through May 22)  
—*Main floor, Cabot Science Library.* (617) 496-5534.

#### Carpenter Center

**“Students Choose”** features work chosen from classes in the Department of Visual and Environmental Studies. A reception for the artists will be held on Thu., Feb. 12, 5:30 p.m. (Through Feb. 13)  
—*Sert 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](mailto:tblanch@fas.harvard.edu), [www.ves.fas.harvard.edu](http://www.ves.fas.harvard.edu).

**“Corbu Pops”** is famed multimedia and performance artist William Pope.L’s investigation of modernism, utopia, nonsense, blackness, purity, and factory production. There will be a public lecture and performance piece on Thu., Feb. 19, at 6 p.m. in the lecture hall and main gallery featuring the Corbu Pop Singers, a group of undergraduate entertainers dressed in “Le Corbusier” outfits, chosen to sing and compose under the tutelage of Pope.L. A reception will follow. Sponsored in part by Learning from Performers, OfA, and the Du Bois Institute. (Through April 5)  
—*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](mailto:tblanch@fas.harvard.edu), [www.ves.fas.harvard.edu](http://www.ves.fas.harvard.edu).

#### Center for Government and International Studies

**“Sufism: Mystical Ecumenism”** features

photography from the heartlands of Muslim mysticism by Iason Athanasiadis, photojournalist and 2008 Nieman Fellow. The exhibit is a visual journey through Bilad ash-Sham, Khorassan, and the Punjab chronicling the movement and rhythm of zikr, the ecstatic ceremony practiced by Sufi orders around the Muslim world. There will be an opening reception Thu., Feb. 5, 5-7 p.m. featuring a sit-down concert of mystical melodies performed by the DUNYA Ensemble at 6:30 p.m. in Tsai Auditorium. Free admission. (Feb. 5-March 31)  
—*CGIS South, 1730 Cambridge St.*

#### 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

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

**“Rotimi Fani-Kayode (1955-1989): Photographs”** is a retrospective of large-scale color and black-and-white photographs from the estate of Fani-Kayode, including archival works exhibited here for the first time. Produced in the 1980s in a career spanning only six years, Fani-Kayode’s photographic scenarios constitute a profound narrative of African sexual and cultural difference, seminal in their exploration of complex notions of identity, spirituality, and diaspora and the black male body as a subject of desire. (Through May 15)  
—*Neil L. and Angelica Zander Rudenstine Gallery, Du Bois Institute, 104 Mt. Auburn St., 3R.* (617) 495-8508, [www.dubois.fas.harvard.edu](http://www.dubois.fas.harvard.edu).

#### Graduate School of Education

**“Endangered Canyons of Utah”** features Harvey Halpern’s dramatic photos of canyons and wilderness landscapes in southern Utah. (Through Feb. 13)  
—*Gutman Library, HGSE.* [www.gse.harvard.edu/library/index.html](http://www.gse.harvard.edu/library/index.html).

#### 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](http://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 Divinity School

**“Faces of Buddha”** features work by Virginia Peck. Meet the artist Tue., Feb. 10, 5:30 p.m. (Through May 2009)  
—*Andover Chapel, HDS.* 5:30 p.m. (617) 384-7571.

#### 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)

**“Darwin Gallery Exploration.”** Explore the museum through Darwin’s eyes. Find the animals mentioned in “On the Origin of Species” and learn what Darwin wrote about them. (Feb. 14-27)

**“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)

**“Egg & Nest: Photographs by Rosamond Purcell”** features photographs of exquisitely elegant eggs and remarkable nests that present an artist’s view of natural history. (Feb. 12-March 15)

**“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)

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

**“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](http://www.hmn.harvard.edu).

#### Harvard Neighbors

**“Art show”** features the paintings of Al Shapiro and Elaine Schaffner, and the installations of Wen Xiong Lin. Opening reception on Thu., Feb. 12, 5:30 p.m. (Through March 5)  
—*Loeb House, 17 Quincy St. Call for hours.* (617) 495-4313, [neighbors@harvard.edu](mailto:neighbors@harvard.edu).

## 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	BDS
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	WCfIA

### Holyoke Center

“Seven” features paintings and mixed media works created between 2002 and 2009 by Keina Davis Elswick. The exhibit explores several themes — from the color blue and traveling ancestor spirits in the fictitious world of “Sivad” to historical and contemporary ties between black & Irish culture. (Feb. 6-March 4) —*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

“Harvard’s Lincoln” celebrates the Lincoln bicentennial with an exhibition of books, manuscripts, broadsides, prints, ephemera, and artifacts from Harvard’s Lincoln collection. Opening reception Thu., Feb. 12, 5:30 p.m. (Through April 25) —*Edison and Newman Room, Houghton Library. (617) 496-4027.*

“There is grandeur in this view of life: ‘The Origin of Species’ at 150” examines the publishing history of Darwin’s controversial 1859 treatise, along with some contemporary reactions to his revolutionary theory of natural selection. (Through March 28) —*Amy Lowell Room, Houghton Library. (617) 495-2449.*

### 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.*

“Harvard College Annual International Photo Contest” displays photos taken by Harvard students who have studied, worked, interned, or performed research abroad during the past year. (Through June 30) —*Level B and first floor, Lamont Library. (617) 495-2455.*

### Loeb Music Library

“Nadia Boulanger and Her American Composition Students” focuses on Nadia Boulanger, one of the foremost composition teachers of the 20th century, especially her American ties and her influence on generations of American composers. [www.crosscurrents08-09.org](http://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)

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

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

“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](http://www.peabody.harvard.edu).*

### Pusey Library

“Family Gallery” features portraits of Theodore Roosevelt’s wives, children, and himself as a father, paterfamilias, and grandfather, while “Pilgrimage to a Refuge” displays Roosevelt’s photographs, ocean charts, and his published account of his 1915 trip to the bird refuges at the mouth of the Mississippi. (Through June 30) —*Roosevelt Gallery, Pusey Library. (617) 384-7938.*

“Taking the Measure of Rhode Island: A Cartographical Tour” examines the cartographical history of the small, enigmatic state. From the Colonial period to the early 20th century, this exhibit features examples of boundary surveys, state maps, nautical charts, town plans, city and state atlases, topographical and geological maps, road guides, and bird’s eye views. (Feb. 11-June 12) —*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.” (Through March 6) —*Schlesinger Library, Radcliffe Yard, 10 Garden St. (617) 495-8647.*

### Semitic Museum

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

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

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

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

### Tozzer Library

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

## lectures

### art/design

Fri., Feb. 6—“Art and Justice: The Art of the Constitutional Court of South Africa.” (GSD) Albie Sachs, justice, Constitutional Court of South Africa. GSD, 48 Quincy St., 6 p.m. Free and open to the public. [events@gsd.harvard.edu](mailto:events@gsd.harvard.edu).

Fri., Feb. 6—“Light in Architecture: Preliminary Thoughts on 21st Century Churches.” (St. Paul Parish) Pedro Joaquin Mendoza Miranda, architect. St. Paul Parish, 29 Mt. Auburn St., 7:30 p.m. A reception to follow. (781) 235-1942, [www.saintpaulcsc.org](http://www.saintpaulcsc.org).

Tue., Feb. 10—“Faces of Buddha.” (HDS) Meet artist Virginia Peck, whose exhibit “Faces of Buddha” is showing at Andover Chapel. Andover Chapel, HDS, 5:30 p.m. (617) 384-7571.



Sijmons

Tue., Feb. 10—“From a Reflective Toward a Responsive Plague Organism: Remarks on Landscape Urbanism.” (GSD) Dirk Sijmons, Technical University of Delft. Piper Auditorium, GSD, 48 Quincy St., 6:30 p.m. Free and open to the public. [events@gsd.harvard.edu](mailto:events@gsd.harvard.edu).

Thu., Feb. 12—“Bernini’s ‘Modello of Saint Longinus’: The Genesis of a Baroque Colossus.” (HAM) Frank Fehrenbach, Harvard University, and Tony Sigel, conservator, HAM. Sackler Museum, 485 Broadway, 3:30 p.m. Free with the price of admission. Limited to 30 participants; please arrive early. (617) 495-9400, [www.harvardartmuseum.org](http://www.harvardartmuseum.org).

Tue., Feb. 17—“Networks and Spheres: Two Ways to Reinterpret Globalization.” (GSD) Bruno Latour, Sciences Po, and Peter Sloterdijk, Karlsruhe University of Arts and Design. Piper Auditorium, GSD, 48 Quincy St., 6:30 p.m. Free and open to the public. [events@gsd.harvard.edu](mailto:events@gsd.harvard.edu).

Wed., Feb. 18—“Syracuse: Land of Art, Myth, and Culture.” (HAM) Part of the “Cities: Their Art and Architecture” series. Danielle Carrabino, HAM. Sackler Museum, 485 Broadway, 6:30 p.m. Lecture cost is \$18; members \$12. Space is limited; registration required at (617) 495-4544. If available, tickets will be sold at the door. Participants may dine at the Harvard Faculty Club, 20 Quincy St., following each lecture, where a dish inspired by the cuisine of the city being presented will be served. Reservations are required at (617) 495-5758. [www.harvardartmuseum.org](http://www.harvardartmuseum.org).

Thu., Feb. 19—“Pope.L Public Lecture and Performance Piece.” (Carpenter Center, OfA, Du Bois Institute) Lecture and performance piece by William Pope.L, famed multimedia and performance artist. Featuring the Corbu Pop Singers, a group of undergraduate entertainers dressed in “Le Corbusier” outfits, chosen to sing and compose under the tutelage of Pope.L. Main gallery, lec-

ture hall, Carpenter Center, 24 Quincy St., 6 p.m. A reception and performance piece to follow lecture. (617) 495-3251, [tblanch@fas.harvard.edu](mailto:tblanch@fas.harvard.edu), [www.ves.fas.harvard.edu](http://www.ves.fas.harvard.edu).

Mon., March 9—“Renzo Piano.” (HAM) Architect Renzo Piano will discuss the renovation of the Harvard Art Museum’s building. Free admission, tickets are required. Sanders Theatre, Memorial Hall, 45 Quincy St., 6 p.m. Tickets on sale Feb. 10, for Harvard community; Feb. 17, general public. Remaining tickets available at the door on a first-come, first-served basis. Harvard Box Office (617) 496-2222.

### business/law

Thu., Feb. 5—“Investing in a Volatile Market: What To Do Now?” (HMS) Financial forum featuring representatives from Cambridge Savings Bank, Citizens Bank, Sovereign Bank, and many others. Ground level, Joseph B. Martin Conference Center, HMS, 77 Avenue Louis Pasteur, various times. This workshop will be presented at 9:15 a.m., 10:15 a.m., 11:15 a.m., and 12:15 p.m., with a Q&A period to follow each session. Open to Harvard faculty and staff only; no RSVP necessary; walk-ins welcome.

Thu., Feb. 5—“NGO Leaders in Humanitarian Aid and Development Seminar Series.” (Hauser Center) Nancy Lindborg, president, Mercy Corps. NYE-A, Taubman, HKS, 11:30 a.m. Light refreshments served. Free and open to the public. [www.hks.harvard.edu/hauser/engage/humanitarianorganizations/ngoleadersseminarseries/](http://www.hks.harvard.edu/hauser/engage/humanitarianorganizations/ngoleadersseminarseries/).

Thu., Feb. 5—“The Employee Free Choice Act and the Future of the U.S. Labor Movement.” (HLS, Labor & Worklife Program) Gregory Junemann, president, International Federation of Professional & Technical Engineers. Langdell South, HLS, 1545 Mass. Ave., 4 p.m. Free and open to the public. (617) 495-9265, [john\\_trumpbour@harvard.edu](mailto:john_trumpbour@harvard.edu).

Thu., Feb. 5—“Pioneering Sustainable Healthcare in India and Bolivia.” (HBS) N. Krishna Reddy, CEO, CARE Hospitals; Rajiv Vasudevan, CEO, AyurVAID; Rosario Perez, CEO, Pro Mujer; and (moderator) Michael Chu, HBS. Hawes 203, HBS, 4:30 p.m. Free and open to the public.

Thu., Feb. 5—“Towards a Characterization of Business English for the Translation of Economic Texts (English-Spanish).” (Real Colegio Complutense) Talk by Jorge Leiva Rojo. Conference room, RCC, 26 Trowbridge St., 7:30 p.m. Free and open to the public. [www.realcolegiocomplutense.harvard.edu](http://www.realcolegiocomplutense.harvard.edu).

Thu., Feb. 12—“The Big Squeeze: Tough Times for the American Worker.” (HLS, Labor & Worklife Program) Steven Greenhouse, The New York Times. Langdell South, HLS, 1545 Mass. Ave., 4 p.m. Free and open to the public. (617) 495-9265, [john\\_trumpbour@harvard.edu](mailto:john_trumpbour@harvard.edu).

Wed., Feb. 18—“Entrepreneurship in Russia and China: The Impact of Formal Institutional Voids.” (Davis Center) Daniel McCarthy and Sheila Puffer, Northeastern University. Third floor, room S354, 1730 Cambridge St., 12:30 p.m.

Wed., Feb. 18—“The Written Culture of Early Islamic Law.” (HLS, Islamic Legal Studies Program) Ahmed El Shamsy, visiting fellow, ILSP. Pound 213, HLS, 5 p.m. Refreshments to follow. (617) 496-3941.

### conferences

Thu., Feb. 12—“Conference on Inequality and Segregation in Large European Cities.” (CES) Edmond Préteceille, CES. Lower level conference room, CES, 27 Kirkland St., 9 a.m. Program available online at [www.ces.fas.harvard.edu/conferences/Conf\\_Ineq\\_Seg\\_Program.pdf](http://www.ces.fas.harvard.edu/conferences/Conf_Ineq_Seg_Program.pdf). [beerman@fas.harvard.edu](mailto:beerman@fas.harvard.edu).

Fri., Feb. 13—“11th Annual Kokkalis Graduate Student Workshop on

“Southeastern Europe.” (CES, Kokkalis Program) Elaine Papoulias, director, Kokkalis Program; Elizabeth Prodromou, Boston University; Aida Vidan, Harvard University. Lower level conference room, CES, 9:45 a.m. Free and open to the public; no registration necessary. For program: [www.ces.fas.harvard.edu/conferences/Kokkalis\\_program\\_2009.pdf](http://www.ces.fas.harvard.edu/conferences/Kokkalis_program_2009.pdf). [ilyana\\_sawka@ksg.harvard.edu](mailto:ilyana_sawka@ksg.harvard.edu).

Thu., Feb. 19-Fri., Feb. 20—“Conference on Germany in the Modern World.” (Harvard Faculty Club) Under the motto “Division and Unity,” this student-organized conference brings together students, scholars, and the interested public to discuss the central issues of society, economy and business, politics, and foreign policy. Harvard Faculty Club, 20 Quincy St., 2 p.m. start time on Thu.; 4:30 p.m. on Fri. Register online at [www.germanconference.org/2009/register.php](http://www.germanconference.org/2009/register.php), or e-mail [germanconference@gmail.com](mailto:germanconference@gmail.com).

### environmental sciences

Thu., Feb. 12—“God and Global Warming: Scientists’ and Evangelicals’ Common Voice.” (Center for Health and the Global Environment, HMS) Eric Chivian, director, Center for Health and the Global Environment, and Rev. Richard Cizik, National Association of Evangelicals. Sperry Room, Andover Hall, HDS, 45 Francis Ave., 5 p.m. (617) 384-8533, [margaret\\_thomsen@hms.harvard.edu](mailto:margaret_thomsen@hms.harvard.edu).

### health sciences

#### Medical School

Mon., Feb. 9—“Navigating the Past: Confronting Universities’ Historical Relationship to Slavery.” (HMS) Black History Month Forum with James T. Campbell. Room 250, Tosteson Medical Education Center, HMS, 12:45 p.m. RSVP by Feb. 5 to (617) 432-4698 or [melissa\\_alexis@hms.harvard.edu](mailto:melissa_alexis@hms.harvard.edu).

Tue., Feb. 10—“Metagenomics: From Corals to Cystic Fibrosis Lungs.” (Microbiology & Molecular Genetics) Forest Rohwer, San Diego State University. Room 341, Warren Alpert Building, HMS, 12:30 p.m. Coffee is served prior to event at 12:15 outside the room. [shannon@hms.harvard.edu](mailto:shannon@hms.harvard.edu).

Tue., Feb. 10—“Mini Brains — Mega Tasks: The Desert Ant’s Navigational Toolkit.” (HMS) Rüdiger Wehner, University of Zurich. Armenise Amphitheater, HMS, 200 Longwood Ave., 4 p.m. (617) 432-1772, [william\\_helmrath@hms.harvard.edu](mailto:william_helmrath@hms.harvard.edu).

Wed., Feb. 11—“Bridging the Valley of Death, Medical Genetics 2.0, and Other Tales of Translational Genomics Research.” (HMS) Dietrich A. Stephan, Translational Genomics Research Institute. Fifth floor, Minot Room, Center for Biomedical Informatics, Countway Library, 10 Shattuck St., 4 p.m. [rvogel@hms.harvard.edu](mailto:rvogel@hms.harvard.edu).

Fri., Feb. 13—“Big Pharma as a Catalyst for Change.” (HMS, Department of Health Care Policy) Andrew Witty, CEO, GlaxoSmithKline. Waterhouse Room, Gordon Hall, HMS, 1 p.m. All Harvard faculty, students, and staff are welcome to attend. RSVP by Feb. 4 to [craw@hcp.med.harvard.edu](mailto:craw@hcp.med.harvard.edu).

Tue., Feb. 17—“The Secret Life of Actin.” (Microbiology & Molecular Genetics) Dyche Mullins, UC San Francisco. Room 341, Warren Alpert Building, HMS, 12:30 p.m. Coffee is served prior to event at 12:15 outside the room. [shannon@hms.harvard.edu](mailto:shannon@hms.harvard.edu).

### humanities

Thu., Feb. 5—“Oral/Aural Community: Language Play and Gramophone in Colonial Korea.” (Korea Institute) Se-Mi Oh, Korea Institute. Porté Room S250, CGIS South, 1730 Cambridge St., 4 p.m.

Thu., Feb. 5—“Rethinking Moral Dilemmas in the Indian Epics.” (HDS) Emily T. Hudson, Harvard University. Kresge Room, Barker Center, 12 Quincy St., 7:30 p.m. Light refreshments served. (617) 495-4486.

(Continued on next page)

(Continued from previous page)

Fri., Feb. 6—**“Poetry, Gender, and Ethnicity: Manchu and Mongol Women Writers in Qing-Dynasty Beijing.”** (Fairbank Center) Wilt Idema, Harvard University. Room S153, CGIS South, Fairbank Center, 1730 Cambridge St., 4 p.m. (617) 495-4046, fairbank@fas.harvard.edu.

Mon., Feb. 9—**“Navigating the Past: Confronting Universities’ Historical Relationship to Slavery.”** (HMS) Black History Month Forum with James T. Campbell. Room 250, Tosteson Medical Education Center, HMS, 12:45 p.m. RSVP by Feb. 5 to (617) 432-4698 or melissa\_alexis@hms.harvard.edu.

Mon., Feb. 9—**“Empire, Capital, and the Credit Frontier: Winfield, Kansas, 1876-Santo Domingo, D.R., 1913.”** (Warren Center, Political Economy Workshop) Peter Hudson, SUNY Buffalo. First floor, History Library, Robinson Hall, 4 p.m. Pre-circulated paper at www.fas.harvard.edu/~polecon/.

Mon., Feb. 9—**“Liu Zhi: A Chinese Muslim Thinker in the Eighteenth Century.”** (Fairbank Center) Wei-ming Tu, Harvard University, Sachiko Murata and William Chittick, SUNY Stony Brook. Room S020, CGIS South, 1730 Cambridge St., 4 p.m.

Tue., Feb. 10—**“Serving Three Masters: Church, Academy, and the Left.”** (HDS) Dan McKanan, HDS. Common room, CSWR, 42 Francis Ave., noon. Soup provided; bring your own beverage. (617) 384-7571.

Tue., Feb. 10—**“Faces of Buddha.”** (HDS) Meet artist Virginia Peck, whose exhibit “Faces of Buddha” is showing at Andover Chapel. Andover Chapel, HDS, 5:30 p.m. (617) 384-7571.

Thu., Feb. 12—**“Lunch with Langston: Racial Identity and Religion.”** (HDS) Brown bag lunch conversation about racial and religious identity, highlighting the poetry of Langston Hughes. Room 116, Rockefeller Hall, HDS, noon.

Thu., Feb. 12—**“Contemporary Challenges to Afro-Brazilian Religions.”** (Brazil Studies Program, DRCLAS) *Conversa* with J. Lorand Matory, Harvard University, and Vagner Gonçalves da Silva, fellow, Du Bois Institute. CGIS S050, 1730 Cambridge St., 12:15 p.m.

Thu., Feb. 12—**“God and Global Warming: Scientists’ and Evangelicals’ Common Voice.”** (Center for Health and the Global Environment, HMS) Eric Chivian, director, Center for Health and the Global Environment, and Rev. Richard Cizik, National Association of Evangelicals. Sperry Room, Andover Hall, HDS, 45 Francis Ave., 5 p.m. (617) 384-8533, margaret\_thomsen@hms.harvard.edu.

Thu., Feb. 12—**“Master Class with Claire Messud.”** (Humanities Center) Messud, author and senior fellow, Humanities Center, discusses Thomas Bernhard’s “The Loser.” Thompson Room, Barker Center, 12 Quincy St., 6 p.m. Seating is limited.

Fri., Feb. 13—**“The Case of a Flying Palanquin: Crowds, Complicity, and Sincerity in Taiwanese Religious Practice.”** (Fairbank Center) DJ Hatfield, Berklee College of Music. Room S153, CGIS South, 1730 Cambridge St., 12:15 p.m.

Fri., Feb. 13—**“Handwriting on the Wall: Traces of Novgorod in the Golden Hall Mural Inscriptions.”** (Davis Center) Michael Flier, Harvard University. Third floor, room S354, 1730 Cambridge St., 12:15 p.m. (617) 495-4037, www.davis-center.fas.harvard.edu.

Fri., Feb. 13—**“The Favelas of Rio de Janeiro Yesterday and Today: Poverty, Urban Reform, and Music.”** (Brazil Studies Program, DRCLAS, Romance Languages and Literature) Licia Valladares, University of Lille, France, and Bruno Carvalho, Harvard University. CGIS S250, 1730 Cambridge St., 1 p.m.

Sat., Feb. 14—**“Malayalam Language and Literature.”** (Sanskrit and Indian

Studies) P.M. John, retired professor, Westfield State College. Hall A, Science Center, 1 Oxford St., 3 p.m.

Wed., Feb. 18—**“The Passover Rite of the Kaifeng Chinese Jewish Community.”** (CMES) Dalia Yasharpour, Harvard University. Room 102, 38 Kirkland St., 12:30 p.m. Free and open to the public. <http://cmes.hmdc.harvard.edu>.

Wed., Feb. 18—**“Syracuse: Land of Art, Myth, and Culture.”** (HAM) Part of the “Cities: Their Art and Architecture” series. Danielle Carrabino, HAM. Sackler Museum, 485 Broadway, 6:30 p.m. Lecture cost is \$18; members \$12. Space is limited; registration required at (617) 495-4544. If available, tickets will be sold at the door. Participants may dine at the Harvard Faculty Club, 20 Quincy St., following each lecture, where a dish inspired by the cuisine of the city being presented will be served. Reservations are required at (617) 495-5758. [www.harvardartmuseum.org](http://www.harvardartmuseum.org).

Mon., March 9—**“Renzo Piano.”** (HAM) Architect Renzo Piano will discuss the renovation of the Harvard Art Museum’s building. Free admission, tickets are required. Sanders Theatre, Memorial Hall, 45 Quincy St., 6 p.m. Tickets on sale Feb. 10, for Harvard community; Feb. 17, general public. Remaining tickets available at the door on a first-come, first-served basis. Harvard Box Office (617) 496-2222.

## information technology

Wed., Feb. 11—**“Finding What You Seek: How Google Users Think About Search (And How They Actually Search).”** (IIC) Daniel Russell, Google. Room 330, 60 Oxford St., 4 p.m. <http://iic.harvard.edu/>.

## poetry/prose

Thu., Feb. 19—**“The First Annual Briggs-Copeland Poetry Reading.”** (English) Joanna Klink and Peter Richards, Harvard University. Edison-Newman Room, Houghton Library, 6 p.m. Free and open to the public. Members of the public are asked to present a valid photo ID.

## science

Thu., Feb. 5—**“Viral Capsids and Other Self-Assembled Protein Cage Architectures: Supra Molecular Templates for Molecular and Materials Encapsulation.”** (Chemistry, Woodward Lectures in the Chemical Sciences, Physical Chemistry Seminar) Trevor Douglas, University of Montana. Mallinckrodt Labs, Pfizer Lecture Hall, 12 Oxford St., 4 p.m.

Mon., Feb. 9—**“Personalized Energy: A Carbon-Neutral Energy for 1 (x6 Billion).”** (Chemistry, Woodward Lectures in the Chemical Sciences, Organic Chemistry Seminar) Daniel Nocera, MIT. Mallinckrodt Labs, Pfizer Lecture Hall, 12 Oxford St., 4 p.m.

Wed., Feb. 11—**“The Evolutionary Mechanics of Movement and Communication in the Sea.”** (Radcliffe Institute) Sheila Patek, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 3:30 p.m. (617) 495-8212, [www.radcliffe.edu](http://www.radcliffe.edu).

Wed., Feb. 11—**“Photochemical CO2 Reduction: A Daunting Challenge.”** (Chemistry, Woodward Lectures in the Chemical Sciences, Harvard/MIT Inorganic Chemistry Seminar) Etsuko Fujita, Brookhaven National Laboratory. Mallinckrodt Labs, Pfizer Lecture Hall, 12 Oxford St., 4 p.m.

Thu., Feb. 12—**“Darwin and Me.”** (Harvard Undergraduate Biological Sciences Society) Mini-symposium with Janet Browne, Steven Pinker, Marc Hauser, Hopi Hoekstra, and Arkhat Abzhanov. Biolabs 1068, 1 p.m. See <http://darwinday.fas.harvard.edu> for details.

Thu., Feb. 12—**“How Do Enzymes Really Work and How They Do Not Work: What Has Been Learnt.”** (Chemistry, Woodward Lectures in the Chemical Sciences, Physical Chemistry Seminar) Arieh Warshel, University of

Southern California. Mallinckrodt Labs, Pfizer Lecture Hall, 12 Oxford St., 4 p.m.

Thu., Feb. 12—**“God and Global Warming: Scientists’ and Evangelicals’ Common Voice.”** (Center for Health and the Global Environment, HMS) Eric Chivian, director, Center for Health and the Global Environment, and Rev. Richard Cizik, National Association of Evangelicals. Sperry Room, Andover Hall, HDS, 45 Francis Ave., 5 p.m. (617) 384-8533, margaret\_thomsen@hms.harvard.edu.

Thu., Feb. 12—**“Darwin at 200: Rethinking the Revolution.”** (HMNH) Janet Browne, Harvard University. Geological lecture hall, HMNH, 24 Oxford St., 6 p.m. Free and open to the public. [www.hmnh.harvard.edu](http://www.hmnh.harvard.edu).

Sat., Feb. 14—**“One Beetle Too Many: The Extraordinary Adventures of Charles Darwin.”** (HMNH) Family program and booksigning with Kathryn Lasky and artist Matthew Trueman. HMNH, 24 Oxford St., 2 p.m. Free with museum admission. [www.hmnh.harvard.edu](http://www.hmnh.harvard.edu).

Sun., Feb. 15—**“An Afternoon With Charles Darwin.”** (HMNH) Family program with Andrew Berry. HMNH, 24 Oxford St., 2 p.m. Free with museum admission. [www.hmnh.harvard.edu](http://www.hmnh.harvard.edu).

Thu., Feb. 19—**“Galileo Opens the Door.”** (CfA) Owen Gingerich, CfA. Phillips Auditorium, 60 Garden St., 7:30 p.m. Observing through telescopes follows the presentation, weather permitting. Live webcast: [www.cfa.harvard.edu/events/public\\_events.html](http://www.cfa.harvard.edu/events/public_events.html).

## social sciences

Thu., Feb. 5—**“Religious Fundamentalism as the End of History? The Political Demography of the Abrahamic Faiths.”** (Belfer Center’s International Security Program) Brown bag seminar with Eric Kaufmann, fellow, ISP/ Initiative on Religion in International Affairs. Littauer 369, HKS, Belfer Center Library, 12:15 p.m. Coffee and tea provided. <http://belfercenter.ksg.harvard.edu/events/3819/>.

Thu., Feb. 5—**“Pious Patriots: Religious Minorities and Secular Citizens in Egypt and Ethiopia.”** (Middle East Seminar, CMES, WCFA) Bruce B. Lawrence, director, Duke Islamic Studies Center, Duke University. Bowie-Vernon Room, K-262, CGIS Knafel, WCFA, 1737 Cambridge St., 4 p.m.

Thu., Feb. 5—**“The Holocaust in German-Occupied Soviet Territory and the Response by Soviet Jewish Intellectuals.”** (CES) Joshua Rubenstein, Davis Center. Cabot Room, CES, 27 Kirkland St., 4:15 p.m. Free and open to the public. [alex@sagan.org](mailto:alex@sagan.org).

Thu., Feb. 5—**“Pioneering Sustainable Healthcare in India and Bolivia.”** (HBS) N. Krishna Reddy, CEO, CARE Hospitals; Rajiv Vasudevan, CEO, AyurVAID; Rosario Perez, CEO, Pro Mujer; and (moderator) Michael Chu, HBS. Hawes 203, HBS, 4:30 p.m. Free and open to the public.

Thu., Feb. 5—**“The Swamp Angel of the South: Joanna P. Moore and Home Missions Work, 1863-1916.”** (HDS) Anthea Butler, visiting professor, Harvard University. Braun Room, Andover Hall, HDS, 5:15 p.m. Reception to follow. (617) 495-5705.

Fri., Feb. 6—**“Poetry, Gender, and Ethnicity: Manchu and Mongol Women Writers in Qing-Dynasty Beijing.”** (Fairbank Center) Wilt Idema, Harvard University. Room S153, CGIS South, 1730 Cambridge St., 4 p.m. (617) 495-4046, fairbank@fas.harvard.edu.

Mon., Feb. 9—**“Inter-Ethnic Relations in Québec: The ‘Accommodations Crisis’ and the Bouchard-Taylor Report.”** (WCFA, Canada Program) Roundtable with Gérard Bouchard, sociologist-historian, and Charles Taylor, political philosopher; followed by discussants Christopher Bail, WCFA, and Eric Kaufmann, Belfer Center. Room S010, CGIS South, Tsai Auditorium, 1730 Cambridge St., 4 p.m. Free and open to

the public. (617) 495-3671, [canada@wcfa.harvard.edu](mailto:canada@wcfa.harvard.edu), [www.wcfa.harvard.edu/seminars/08\\_canada/schedule](http://www.wcfa.harvard.edu/seminars/08_canada/schedule).

Mon., Feb. 9—**“Liu Zhi: A Chinese Muslim Thinker in the Eighteenth Century.”** (Fairbank Center) Wei-ming Tu, Harvard University, Sachiko Murata and William Chittick, SUNY Stony Brook. Room S020, CGIS South, 1730 Cambridge St., 4 p.m.

Mon., Feb. 9—**“Politics, Elite Conflict, and Gas Crises: Ukraine in the Approach to Presidential Elections.”** (HURI) Taras Kuzio, Carleton University. Room S050, CGIS South, 1730 Cambridge St., 4 p.m. [www.huri.harvard.edu/calendar.html](http://www.huri.harvard.edu/calendar.html).

Mon., Feb. 9—**“Conscience of a Liberal.”** (Cambridge Forum) Nobel Prize-winning economist Paul Krugman in conversation with David Gergen, HKS. First Parish, 3 Church St., 7:30 p.m. Free and open to the public.

Tue., Feb. 10—**“Serving Three Masters: Church, Academy, and the Left.”** (HDS) Dan McKanan, HDS. Common room, CSWR, 42 Francis Ave., noon. Soup provided; bring your own beverage. (617) 384-7571.

Tue., Feb. 10—**“Varieties of Capitalism and Labor Markets in Latin America.”** (DRCLAS, WCFA) Ben Ross Schneider, Northwestern University. 1730 Cambridge St., noon. Questions and comments to follow presentation. [smtesor@fas.harvard.edu](mailto:smtesor@fas.harvard.edu).

Tue., Feb. 10—**“The Black Condition in France.”** (CES) Talk by Pap Ndiaye. Cabot Room, CES, 27 Kirkland St., 12:15 p.m. Sandwiches provided for first 25 participants. Free and open to the public. [mdlewis@fas.harvard.edu](mailto:mdlewis@fas.harvard.edu).

Tue., Feb. 10—**“The Long March to ‘Social Europe.’”** (CES, WCFA) Jean-Claude Barbier, University of Paris. Cabot Room, CES, 27 Kirkland St., 2:15 p.m. Free and open to the public. [kkaiser@wcfa.harvard.edu](mailto:kkaiser@wcfa.harvard.edu).

Tue., Feb. 10—**“The Politics of Intersectionality: Quotas for Women and Minorities in France and India.”** (CES) Mona Lena Krook, visiting fellow, Radcliffe Institute. Cabot Room, CES, 27 Kirkland St., 4:15 p.m. Free and open to the public. [lfreader@neu.edu](mailto:lfreader@neu.edu).

Tue., Feb. 10—**“Educating for Human Rights and Global Competency.”** (HGSE, Askwith Education Forum) Felisa Tibbitts, Human Rights Education Associates, and Ed Gragert, iEARN. Askwith Lecture Hall, HGSE, Longfellow Hall, Appian Way, 5:30 p.m. Free and open to the public. Seating available on a first-come, first-served basis. (617) 384-7461.

Wed., Feb. 11—**“European National Identities at the Crossroads: Six Countries in Search of the Res Publica — A Project Report.”** (CES) Diana Pinto, CES. Cabot Room, CES, 27 Kirkland St., 12:45 p.m. Free and open to the public. [art.goldhammer@gmail.com](mailto:art.goldhammer@gmail.com).

Wed., Feb. 11—**“Meet the Filmmakers. Sensory Ethnography: New Harvard Student Ethnographic Works.”** (Peabody Museum) Screening of “Songhua” by J.P. Sniadecki and “Mud Missive” by Fatin Abbas. Discussion to follow. Auditorium, Fairchild Building, 7 Divinity Ave., 5:30 p.m.

Wed., Feb. 11—**“The Lonely Americans.”** (Cambridge Forum) Jacqueline Olds and Richard Schwarz, clinical psychologists, HMS. First Parish, 3 Church St., 7:30 p.m. Free and open to the public.

Thu., Feb. 12—**“Lunch with Langston: Racial Identity and Religion.”** (HDS) Brown bag lunch conversation about racial and religious identity, highlighting the poetry of Langston Hughes. Room 116, Rockefeller Hall, HDS, noon.

Thu., Feb. 12—**“Contemporary Challenges to Afro-Brazilian Religions.”** (Brazil Studies Program, DRCLAS) *Conversa* with J. Lorand Matory, Harvard

University, and Vagner Gonçalves da Silva, fellow, Du Bois Institute. CGIS S050, 1730 Cambridge St., 12:15 p.m.

Thu., Feb. 12—**“The Illusion of Change: Analyzing the Struggle for Emancipation in Postcolonial Africa.”** (Belfer Center’s International Security Program) Brown bag seminar with Teresa Cravo, research fellow, ISP/Intrastate Conflict Program. Littauer 369, Belfer Center Library, HKS, 12:15 p.m. Coffee and tea provided. <http://belfercenter.ksg.harvard.edu/events/3850/>.

Thu., Feb. 12—**“Imposing States: How External Intervention Kept China Whole.”** (Fairbank Center) Ja Ian Chong, Princeton University. Room S153, CGIS South, 1730 Cambridge St., 12:15 p.m.

Thu., Feb. 12—**“Darwin and Me.”** (Harvard Undergraduate Biological Sciences Society) Mini-symposium with Janet Browne, Steven Pinker, Marc Hauser, Hopi Hoekstra, and Arkhat Abzhanov. Biolabs 1068, 1 p.m. See <http://darwinday.fas.harvard.edu> for details.

Thu., Feb. 12—**“The Big Squeeze: Tough Times for the American Worker.”** (HLS, Labor & Worklife Program) Steven Greenhouse, The New York Times. Langdell South, HLS, 1545 Mass. Ave., 4 p.m. Free and open to the public. (617) 495-9265, [john\\_trumpbour@harvard.edu](mailto:john_trumpbour@harvard.edu).

Thu., Feb. 12—**“Schooling Immigrants’ Children and Multicultural Education in Spain.”** (Real Colegio Complutense) Talk by Rosa María Rodríguez Izquierdo. Conference room, RCC, 26 Trowbridge St., 7:30 p.m. Free and open to the public.

Fri., Feb. 13—**“The Case of a Flying Palanquin: Crowds, Complicity, and Sincerity in Taiwanese Religious Practice.”** (Fairbank Center) DJ Hatfield, Berklee College of Music. Room S153, CGIS South, 1730 Cambridge St., 12:15 p.m.

Fri., Feb. 13—**“The Favelas of Rio de Janeiro Yesterday and Today: Poverty, Urban Reform, and Music.”** (Brazil Studies Program, DRCLAS, Romance Languages and Literature) Licia Valladares, University of Lille, France, and Bruno Carvalho, Harvard University. CGIS S250, 1730 Cambridge St., 1 p.m.

Fri., Feb. 13—**“What Causes Inequality, and What Does Inequality Cause?”** (CES) Ron Rogowski, UCLA. Cabot Room, CES, 27 Kirkland St., 2:15 p.m. No presentation; seminar will more directly to discussion, assuming participants have read the paper available online at [www.ces.fas.harvard.edu/events/papers/rogowski.pdf](http://www.ces.fas.harvard.edu/events/papers/rogowski.pdf). [dzblatt@fas.harvard.edu](mailto:dzblatt@fas.harvard.edu).

Tue., Feb. 17—**“Rethinking the Challenges to Democracy in Post-Civil War in Colombia, 1946-1966.”** (DRCLAS, WCFA) Robert Karl, Harvard University. S-250, CGIS South, 1730 Cambridge St., noon. Questions and comments to follow presentation. [smtesor@fas.harvard.edu](mailto:smtesor@fas.harvard.edu).

Tue., Feb. 17—**“Rethinking the Legitimacy of Multi-Level Governance in the EU.”** (CES) Christopher Bickerton, University of Oxford. Cabot Room, CES, 27 Kirkland St., 4:15 p.m. Free and open to the public. [vschmidt@bu.edu](mailto:vschmidt@bu.edu).

Wed., Feb. 18—**“Who Makes the News: Representation of Women in the French News Media.”** (CES) Benedicte Berner, CES. Cabot Room, CES, 27 Kirkland St., 12:15 p.m. Free and open to the public. [art.goldhammer@gmail.com](mailto:art.goldhammer@gmail.com).

Wed., Feb. 18—**“Entrepreneurship in Russia and China: The Impact of Formal Institutional Voids.”** (Davis Center) Daniel McCarthy and Sheila Puffer, Northeastern University. Third floor, room S354, 1730 Cambridge St., 12:30 p.m.

Wed., Feb. 18—**“Strangers in a Strange Land: Chinese Laborers in France during the Great War.”** (Radcliffe Institute)



## Feb. 6-March 4

'Seven' features paintings and mixed media works created between 2002 and 2009 by Keina Davis Elswick. The exhibit explores such themes as the color blue and historical and contemporary ties between black and Irish culture. The exhibit is on view Feb. 6-March 4 in the Holyoke Center Exhibition Space. See exhibitions, page 25.

LEFT: 'Black Irish,' 2008, acrylic on canvas

Guoqi Xu, fellow, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 3:30 p.m. (617) 495-8212, [www.radcliffe.edu](http://www.radcliffe.edu).

Wed., Feb. 18—"The Justice and Development Party and Women in Turkey" and "Assessing the Secularism Debate in Turkey through the Lenses of Liberalism." (CMES, WCFA) Fatma Tutuncu, visiting scholar, Harvard University, and Koray Tutuncu, Yale University. Room N262, CGIS Knafel, 1737 Cambridge St., 4 p.m.

Wed., Feb. 18—"Playing Solomon: The British Turn to Partition in Palestine, 1920-1939." (CES) Penny Sinanoglou, Harvard University. Cabot Room, CES, 27 Kirkland St., 4:15 p.m. Free and open to the public. [mjasanof@fas.harvard.edu](mailto:mjasanof@fas.harvard.edu).

Wed., Feb. 18—"The Written Culture of Early Islamic Law." (HLS, Islamic Legal Studies Program) Ahmed El Shamsy, visiting fellow, ILSP, Pound 213, HLS, 5 p.m. Refreshments to follow. (617) 496-3941.

Thu., Feb. 19—"Syria and its Neighbors: What Lies Ahead." (Middle East Seminar, CMES, WCFA) Joshua Landis, CMES, Bowie-Vernon Room, K-262, CGIS Knafel, WCFA, 1737 Cambridge St., 4 p.m.

Thu., Feb. 19—"Racial Interactions, Racism Accusations, and White Guilt in France and Italy." (CES) Francois Bonnet, Sciences Po. Cabot Room, CES, 27 Kirkland St., 4:30 p.m. Free and open to the public. [leli.arzoglou@gmail.com](mailto:leli.arzoglou@gmail.com).

Thu., Feb. 19—"Transforming Cape Town: The Role of Education Activists." (HGSE, Committee on African Studies) Catherine Besteman, Colby College, speaks about her new book, and joins Allistair Witten, former school principal in South Africa, in discussion. Askwith Lecture Hall, HGSE, Longfellow Hall, Appian Way, 5:30 p.m. Free and open to the public. Seating is available on a first-come, first-served basis. (617) 496-6215.

Thu., Feb. 19—"Black Religions 'Post Racism?': The Obama Effect." (HDS) Panel discussions around the impacts Obama has on the study of black religious traditions. Braun Room, Andover Hall, HDS, 6 p.m.

Thu., Feb. 19—"The System: Remixed." (Kappi Alpha Psi, Harvard Society of Black Scientists and Engineers) Professionals speak about education and school systems, then — remix. Join the greater Boston community and surrounding colleges to engage in

a "solution session" on the educational and systematic obstacles that face today's inner-city youth. Performance Hall 02, SOCH, 59 Shepard St., 6:30 p.m. [rojas.aln@gmail.com](mailto:rojas.aln@gmail.com).

Thu., Feb. 19—"What Can Adam Smith Teach Us about the (Economic) Crisis? 'The Theory of Moral Sentiments' Turns 250." (Real Colegio Complutense) Alvaro Santana Acuña, Harvard University. 26 Trowbridge St., RCC, 7:30 p.m. [www.realcolegiocomplutense.harvard.edu](http://www.realcolegiocomplutense.harvard.edu).

Sat., Feb. 28—"The Franklin Delano Roosevelt Memorial Lecture & Dinner. 'FDR: Crisis, Courage, and Inspiration.'" (Adams House) Lecture by Doris Kearns Goodwin, Pulitzer Prize-winning author and presidential historian. Adams House Dining Hall, 26 Plympton St., 4 p.m. Limited book signing to follow. Cocktail reception for ticket holders at 5 p.m. Dinner gala for ticket holders, featuring a menu inspired by FDR's 1901 Freshman Class Dinner, plus live music from the period, 6 p.m. Tickets are \$15 lecture; lecture, reception, and dinner, \$95. All proceeds benefit the FDR Suite Restoration Project: [www.fdrsuite.org/DKGtalk.html](http://www.fdrsuite.org/DKGtalk.html). Harvard Box Office (617) 496-2222.

## classes etc.

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

■ **Classes**  
Sat., Feb. 28—"Planting Design in Multiple Dimensions." Warren Leach, horticulturalist and landscape designer. Hunnewell Building Lecture Hall, Arnold Arboretum, 9:30 a.m. Cost is \$75 non-member; \$65 member.

The **Center for Workplace Development** offers a wide variety of professional development courses, career develop-

ment 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.

**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](http://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](http://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](http://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](mailto:diamond2@fas.harvard.edu).

**Harvard Course in Reading and Study Strategies** offered by the Bureau of Study Counsel. Through readings, films, and classroom exercises, students learn to read more purposefully, selectively, and with greater speed and comprehension. A 14-day course for one hour/day over a period of a few weeks. Cost is \$150. Spring sessions will be held Feb.

9-27, Mon.-Fri., 8 a.m., and Feb. 9-27, Mon.-Fri., 4 p.m. Call (617) 495-2581 or come to the Bureau of Study Counsel, 5 Linden St., to register or for more information. <http://bsc.harvard.edu/>.

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

**Harvard Green Campus Initiative** offers classes, lectures, and more. Visit [www.greencampus.harvard.edu](http://www.greencampus.harvard.edu) for details.

**Harvard Medical School's Research Imaging Solutions.** (617) 432-2323, [ris@hms.harvard.edu](mailto:ris@hms.harvard.edu), <http://it.med.harvard.edu/training>.

■ **Wed., Feb. 18—"Designing Reliable On-Screen Presentations."** Learn how to design a presentation that will reliably display images, fonts, and design templates. Attendance is free and open to all Harvard employees and HMS affiliates. Goldenson 318, HMS, noon. No registration is required. Handouts can be downloaded at <http://it.med.harvard.edu/ris>. (617) 432-2323, [http://it.med.harvard.edu/pg.asp?pn=training\\_classes](http://it.med.harvard.edu/pg.asp?pn=training_classes).

■ **Wed., March 11—"Creating Figures for Presentations and Publications Using Photoshop and PowerPoint."** Countway Library, HMS, 9 a.m.-1 p.m. Prerequisites: Basic computer skills and some familiarity with PowerPoint. Free and open to Harvard employees and HMS affiliates. Classes are limited to six students and fill up quickly; registration required at [http://it.med.harvard.edu/pg.asp?pn=training\\_classes](http://it.med.harvard.edu/pg.asp?pn=training_classes).

**Harvard Medical School**

■ **Thu., Feb. 5—"Investing in a Volatile Market: What To Do Now?"** Financial forum featuring representatives from Cambridge Savings Bank, Citizens Bank, Sovereign Bank, and many others. Ground level, Joseph B. Martin Conference Center, HMS, 77 Avenue Louis Pasteur, various times. This workshop will be presented at 9:15 a.m., 10:15 a.m., 11:15 a.m., and 12:15 p.m., with a Q&A period to follow each session. Open to Harvard faculty and staff only; no RSVP necessary; walk-ins welcome.

**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](http://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](mailto: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., Feb. 12—"Darwin at 200: Rethinking the Revolution." Janet Browne, Harvard University. Geological lecture hall, 24 Oxford St., 6 p.m. Free and open to the public.

Sat., Feb. 14—"One Beetle Too Many: The Extraordinary Adventures of Charles Darwin." Family program and book signing with Kathryn Lasky and artist Matthew Trueman. 2 p.m. Free with museum admission.

Sat., Feb. 14-Fri., Feb. 27—"Darwin Gallery Exploration." Explore the museum through Darwin's eyes. Find the animals mentioned in "On the Origin of Species" and learn what Darwin wrote about them.

Sun., Feb. 15—"An Afternoon With Charles Darwin." Family program with Andrew Berry. 2 p.m. Free with museum admission.

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

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

■ **Wed., Feb. 11—"London Burial Ground Parks."** Liz Goodfellow will discuss the closing of London's ancient burial grounds in the mid-nineteenth century, and how many of them were later converted to public gardens. 1 p.m. Open to the public. RSVP to [kff245@aol.com](mailto:kff245@aol.com).

■ **Thu., Feb. 19—"The Soul of Therapeutic Gardens."** Robert C. Hoover explores a personal journey of site-specific environmental art, therapeutic gardens, and the soul behind it all. Reception at 6 p.m., lecture at 6:30 p.m. Open to the public. RSVP to [landscape@arnarb.harvard.edu](mailto:landscape@arnarb.harvard.edu) by Tue., Feb. 16.

**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](mailto:lion@fas.harvard.edu), [www.people.fas.harvard.edu/~lion/mather](http://www.people.fas.harvard.edu/~lion/mather).

**Mather House Pottery Class** begins on Tue., Feb. 10, and will meet weekly on Tuesday evenings from 7-9 p.m. in the Mather House Pottery Studio. The 10-session course is designed for all levels of experience. Led by Pamela Gorgone. Cost is \$65, Harvard affiliates; \$55, Mather residents. The fee includes the Tuesday night classes, all clay and glazes, and studio access. If interested, call (617) 495-4834.

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

**Office for the Arts, Ceramics Program** provides a creative learning environment for a dynamic mix of Harvard students,

(Continued on next page)

*(Continued from previous page)*

staff and faculty, professional artists, and the greater Boston and international community. [www.fas.harvard.edu/ceramics](http://www.fas.harvard.edu/ceramics).

■ The **Spring 2009** courses, visiting artist master classes, and firing workshops begin the week of Feb. 2. Registration forms and course information are available online at [www.fas.harvard.edu/ceramics](http://www.fas.harvard.edu/ceramics) and at the Ceramics Program, 219 Western Ave. Courses fill quickly, and priority is given to early enrollments.

**Office of Work/Life Resources.** All programs meet noon-1 p.m. unless otherwise noted. Various places. Register for workshops at [http://harvie.harvard.edu/courses/display.do?value\(application\\_id\)=3](http://harvie.harvard.edu/courses/display.do?value(application_id)=3). Call (617) 495-4100 or e-mail [worklife@harvard.edu](mailto: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](mailto:barbara_wolf@hms.harvard.edu), [www.hms.harvard.edu/hr/owf.html](http://www.hms.harvard.edu/hr/owf.html).

**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](mailto: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](mailto: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](http://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](http://hcl.harvard.edu/widener/services/research/hollis_instruction.html).

## special events

Fri., Feb. 6—**“Crimson and Black Banquet.”** (Harvard Black Students' Association) In celebration of Black History Month, BSA recognizes service and political action throughout the black community. Featuring presentations from various black organizations, entertainment by Kuumba, and guest speaker and CNN correspondent, Soledad O'Brien. Kirkland House Dining Hall, 95 Dunster St., 5:30 p.m. Tickets are \$7 general. Harvard Box Office (617) 496-2222.

Thu., Feb. 12—**“Evolution Matters Lecture Series.”** (HMNH, FAS) A series of lectures, family programs, Darwin gallery explorations, and scavenger hunts to commemorate the double Darwin anniversary — his 200th birthday and the 150th anniversary of “On the Origin of Species.” See HMNH listing under classes for full schedule of events or visit <http://darwinday.fas.harvard.edu>.

Fri., Feb. 13—**“Harvard College in Asia Project.”** (Harvard College in Asia Project) Showcase of Harvard's diverse and musical theatrical talents, including Capoeira, Expressions, TAPS, Mainly Jazz, Harvard Ballet Company, and others. Lowell Lecture Hall, 17 Kirkland St., 8 p.m. Tickets are \$7 general. Harvard Box Office (617) 496-2222.

Fri., Feb. 13—**“MIHNUET Annual Black Tie Benefit Concert.”** (Harvard-Radcliffe

MIHNUET) This benefit concert is a chance for the Harvard community to see firsthand the work the MIHNUET group does year-round, bringing performers to hospitals and nursing homes. Performances by volunteer instrumentalists, soloists, and ensembles. Kirkland JCR, 95 Dunster St., 8 p.m. Tickets are \$8 general. Formal attire is encouraged. Harvard Box Office (617) 496-2222.

Fri., Feb. 13—**“The Orange Party.”** (Harvard Box Office) The Voice presents The Orange Party. Quincy House Dining Hall, 58 Plympton St., 9 p.m. Tickets are \$10. Harvard ID only. Harvard Box Office (617) 496-2222.

Sat., Feb. 14-Fri., Feb. 27—**“Darwin Gallery Exploration.”** (HMNH) Explore the museum through Darwin's eyes. Find the animals mentioned in “On the Origin of Species” and learn what Darwin wrote about them. Harvard Museum of Natural History, 26 Oxford St. [www.hmnh.harvard.edu](http://www.hmnh.harvard.edu).

Sun., Feb. 15—**“An Afternoon With Charles Darwin.”** (HMNH) Family program with Andrew Berry. HMNH, 24 Oxford St., 2 p.m. Free with museum admission. [www.hmnh.harvard.edu](http://www.hmnh.harvard.edu).

Thu., Feb. 19—**“Pope.L Public Lecture and Performance Piece.”** (Carpenter Center, OfA, Du Bois Institute) Lecture and performance piece by William Pope.L, famed multimedia and performance artist. Featuring the Corbu Pop Singers, a group of undergraduate entertainers dressed in “Le Corbusier” outfits, chosen to sing and compose under the tutelage of Pope.L. Main gallery, lecture hall, Carpenter Center, 24 Quincy St., 6 p.m. A reception and performance piece to follow lecture. (617) 495-3251, [tblanch@fas.harvard.edu](mailto:tblanch@fas.harvard.edu), [www.ves.fas.harvard.edu](http://www.ves.fas.harvard.edu).

Thu., Feb. 19—**“The System: Remixed.”** (Kappi Alpha Psi, Harvard Society of Black Scientists and Engineers) Professionals speak about education and school systems, then — remix. Join the greater Boston community and surrounding colleges to engage in a “solution session” on the educational and systematic obstacles that face today's inner-city youth. Performance Hall 02, SOCH, 59 Shepard St., 6:30 p.m. [rojas.aln@gmail.com](mailto:rojas.aln@gmail.com).

Sat., Feb. 28—**The Franklin Delano Roosevelt Memorial Lecture & Dinner. “FDR: Crisis, Courage, and Inspiration.”** (Adams House) Lecture by Doris Kearns Goodwin, Pulitzer Prize-winning author and presidential historian. Adams House Dining Hall, 26 Plympton St., 4 p.m. Limited booksigning to follow. Cocktail reception for ticket holders at 5 p.m. Dinner gala for ticket holders, featuring a menu inspired by FDR's 1901 Freshman Class Dinner, plus live music from the period, 6 p.m. Tickets are \$15 lecture; lecture, reception, and dinner, \$95. All proceeds benefit the FDR Suite Restoration Project: [www.fdrsuite.org/DKGtalk.html](http://www.fdrsuite.org/DKGtalk.html). Harvard Box Office (617) 496-2222.

## fitness

**Harvard Wellness Programs**  
For a recorded listing of programs, (617) 495-1771.  
For a registration form, (617) 495-9629, [www.huhs.harvard.edu](http://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 Menemway 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@Work at HDS** classes are available Tuesdays, 1:15-2 p.m. at the Center for the Study of World Religions, 42 Francis Ave. The cost for the series of 12 meetings is \$156, with the first meeting to start on Tue., Feb. 10. (617) 495-4513, [srom@hds.harvard.edu](mailto:srom@hds.harvard.edu).

## religion

**The Memorial Church**  
Harvard Yard (617) 495-5508  
[www.memorialchurch.harvard.edu](http://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](http://www.whrb.org). Services take place at 11 a.m.  
Feb. 8—The Rev. Peter J. Gomes, Plummer Professor of Christian Morals and Pusey Minister in the Memorial Church  
Feb. 15—The Rev. Jonathan C. Page, Epps Fellow 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., Feb. 5—The Rev. Dr. Mark D.W. Edington, rector  
Fri., Feb. 6—Gail E. Gilmore, Harvard University  
Sat., Feb. 7—Andrew C. Forsyth '09, the Memorial Church  
Mon., Feb. 9—Timothy A. Pantoja '09, Harvard University  
Tue., Feb. 10—Lisa Boes, Pforzheimer House  
Wed., Feb. 11—Harry R. Lewis, Harvard University  
Thu., Feb. 12—Bill Purcell, HKS  
Fri., Feb. 13—Edward E. Jones, the Memorial Church  
Sat., Feb. 14—Florence Ladd, writer  
Mon., Feb. 16—President's Day — No services  
Tue., Feb. 17—Sean Palfrey, pediatrician  
Wed., Feb. 18—John D. Noss, Harvard University  
Thu., Feb. 19—R.J. Jenkins, Harvard University

**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., Feb. 5, March 5, April 2, and May 7, at 10 p.m.

**Church School**  
Offering Christian education classes for children ages one through 12. Classes are held in the Buttrick Room from 10:50 a.m. to 12:15 p.m., during Sunday services. All children are welcome. [tguthrie@hds.harvard.edu](mailto:tguthrie@hds.harvard.edu).

**Faith & Life Forum**  
Issues of faith in devotional and public life explored. Meetings take place Sundays at 9 a.m. with continental breakfast and conversation, followed by a speaker and program from 9:30-10:30 a.m. [daustin@fas.harvard.edu](mailto:daustin@fas.harvard.edu).

**Harvard University Choir**  
Music in The Memorial Church is provided by the Harvard University Choir, whose members are undergraduate and graduate students in the University. Weekly rehearsals are held from 5 p.m. to 6:30 p.m. on Tuesdays and Thursdays.

**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](mailto: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.

**Young Women's Group**  
Seeks to serve all young college women of Harvard with faith journeys, theological inquiries, and the happenings within our lives. Meetings take place Mondays at 9 p.m. in the Buttrick Room, Memorial Church. [tguthrie@hds.harvard.edu](mailto:tguthrie@hds.harvard.edu).

**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](mailto:jonathan_page@harvard.edu) for details.

**Undergraduate Retreat**  
Travel to Duxbury, Mass., for a 24-hour spiritual getaway by the shore. The retreat will be in April, date TBA. To sign up, e-mail [jonathan\\_page@harvard.edu](mailto:jonathan_page@harvard.edu).

**Graduate Fellowship**  
A new fellowship group for graduate students with discussions, food, contemplative worship, and more. Meetings take place Thursdays at 7 p.m. in the Buttrick Room, Memorial Church. E-mail [Robert\\_mark@harvard.edu](mailto:Robert_mark@harvard.edu).

**Berkland Baptist Church**  
99 Brattle St., Harvard Sq. (617) 828-2262, [danchoc@post.harvard.edu](mailto:danchoc@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](http://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](http://www.thechurchatthegate.com)  
The Church at the Gate will see people of all nations transformed by faith in Jesus Christ as we love and serve God and people in the strategic context of the city and the university.

**The Church of Jesus Christ of Latter-day Saints**  
2 Longfellow Park (located at about 100 Brattle St.)  
Sunday Worship Services: 9:30 a.m., 11:30 a.m., 2 p.m., 3:50 p.m.  
All are welcome. The congregations that meet at these times are composed of young, single students and professionals. For information on family congregation meeting places and times, or for information on other classes and events, e-mail [ldsostoninstitute@yahoo.com](mailto:ldsostoninstitute@yahoo.com).

**Congregation Ruach Israel**  
A Messianic Jewish Synagogue  
754 Greendale Ave., Needham, MA  
Shabbat services, Saturday morning at 10 a.m.  
Call (781) 449-6264 or visit [www.ruachisrael.org](http://www.ruachisrael.org) for more information. Rides from Harvard Square available upon request.

**Divinity School Chapel**  
45 Francis Ave. (617) 495-5778  
Services are held during the fall and spring terms only.  
■ HDS Wednesday Noon Service: 12:10 p.m. (617) 384-7571, [jvonwald@hds.harvard.edu](mailto:jvonwald@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](http://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](mailto:epc@serlingpa.org), [www.MeditationinBoston.org](http://www.MeditationinBoston.org).

**First Baptist Church in Newton**  
848 Beacon St.  
Newton Centre, MA 02459  
(617) 244-2997  
[www.fbcnewton.org](http://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](http://www.firstchurch-somerville.org).

**First Reformed Presbyterian Church of Cambridge (RPCNA)**  
53 Antrim St.  
Cambridge, MA 02139  
(617) 864-3185  
[www.reformedprescambridge.com](http://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](http://www.cambridgepres.com)  
Sunday Worship at 10 a.m.  
Weekly small group for young adults; [pallikk@fas.harvard.edu](mailto: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](http://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](mailto:migtse@earthlink.net), [www.sakya.net](http://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 Beach St. (617) 868-3261, [www.hopefellowshipchurch.org](http://www.hopefellowshipchurch.org).

**Old South Church, United Church of Christ, Congregational**  
Copley Square, (617) 425-5145, [helen@oldsouth.org](mailto: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](http://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](http://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](http://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](http://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 [mfurness@hds.harvard.edu](mailto:mfurness@hds.harvard.edu) for information.

**United Ministry**

The following churches and organizations are affiliated with the United Ministry and offer worship and social services. Call for details.

**Anglican/Episcopal Chaplaincy at Harvard**

2 Garden St. (617) 495-4340 [episcopal\\_chaplaincy@harvard.edu](mailto: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/](http://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](mailto:office@ctkcambridge.org), [www.ctkcambridge.org](http://www.ctkcambridge.org)

**Harvard Bahá'í Student Association**

[bahai@hcs.harvard.edu](mailto:bahai@hcs.harvard.edu)  
All events are open to the public. Please write to [bahai@hcs.harvard.edu](mailto: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](http://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](mailto:Swami_tyagananda@harvard.edu).

**Harvard Islamic Society**

Harvard Islamic Society Office. (617) 496-8084  
[www.digitas.harvard.edu/~his](http://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](mailto: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](mailto:iskandar@fas.harvard.edu), [www.hcs.harvard.edu/~absk](http://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](http://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](http://www.facebook.com). Join us: [www.harvardhumanist.org](http://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](http://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](http://www.unilu.org).

**Old Cambridge Baptist Church**, 1151

Mass. Ave. and 400 Harvard St. (behind the Barker Center and the Inn at Harvard), holds Sunday morning worship at 10:30 a.m. Please join this inclusive, progressive congregation in the American Baptist tradition. [www.oldcambridgebaptist.org](http://www.oldcambridgebaptist.org), (617) 864-8068.

**Swedenborg Chapel: Church of the New Jerusalem**

(617) 864-4552, <http://swedenborgchapel.org/>  
Located at the corner of Quincy St. and Kirkland St.

■ Bible Study, Sundays at 10 a.m.

■ Services, Sundays at 11 a.m.

■ Community Dinner, Thursdays at 6 p.m.

■ Swedenborg Reading Group, Thursdays at 7 p.m.

Cambridgeport Baptist Church, (617) 576-6779

Christ Church, (617) 876-0200

Episcopal Chaplaincy, (617) 495-4340

First Parish in Cambridge, Unitarian

Universalist, (617) 495-2727

Harvard-Epworth United Methodist

Church, (617) 354-0837

Old Cambridge Baptist Church, (617)

864-8068

St. Paul Church, (617) 491-8400

Swedenborg Chapel, (617) 864-4552

The Memorial Church, (617) 495-5508

## support/social

*Support and Social groups are listed as space permits.*

The **Berkman Center for Internet and Society Thursday Meetings @ Berman**, a group of blogging enthusiasts and people interested in Internet technology, meets at the Berkman Center on the second floor of 23 Everett St., Cambridge, on Thursday evenings at 7 p.m. People of all experience levels and those who would like to learn more about weblogs, XML feeds, aggregators, wikis, and related technology and their impact on society are welcome. <http://blogs.law.harvard.edu/thursdaymeetings/>.

The **COACH Program** seeks Harvard college and graduate students to serve as "college coaches" in the Boston Public Schools to assist young people in applying to college and developing plans for after high school. COACH is looking for applicants interested in spending about three hours per week working with high school juniors and seniors in West Roxbury. Interested students should call (917) 257-6876 or e-mail [asamuels@law.harvard.edu](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.

**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).

**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 [spousesupport@gmail.com](mailto:spousesupport@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) 495-2048, [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).

**Weight Watchers@Work at HDS** classes are available Tuesdays, 1:15-2 p.m., Center for the Study of World Religions, 42 Francis Ave. The cost for the series of 12 meetings is \$156, with the first meeting to start on Tue., Feb. 10. (617) 495-4513, [srom@hds.harvard.edu](mailto:srom@hds.harvard.edu).

# Opportunities



Job listings posted as of February 5, 2009

Harvard is not a single place, but a large and varied community. It is comprised of many different schools, departments and offices, each with its own mission, character and environment. Harvard is also an employer of varied locations.

Harvard is strongly committed to its policy of equal opportunity and affirmative action. Employment and advancement are based on merit and ability without regard to race, color, creed, sex, sexual orientation, disability, national origin or status as a disabled or Vietnam-era veteran.

## How to Apply:

To apply for an advertised position and/or for more information on these and other listings, please visit our Web site at <http://www.employment.harvard.edu> to upload your resume and cover letter.

## Explanation of Job Grades:

Most positions at Harvard are assigned to a job grade (listed below with each posting) based on a number of factors including the position's duties and responsibilities as well as required skills and knowledge.

The salary ranges for each job grade are available at <http://www.employment.harvard.edu>. Target hiring rates will fall within these ranges. These salary ranges are for full-time positions and are adjusted for part-time positions. Services & Trades positions are not assigned grade levels. The relevant union contract determines salary levels for these positions.

## Other Opportunities:

All non-faculty job openings currently available at the University are listed on the Web at <http://www.employment.harvard.edu>.

**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.*

## Alumni Affairs and Development

**Associate Director of Leadership Gifts Req. 36138**, Gr. 058  
Harvard Law School/Development and Alumni Affairs FT (1/29/2009)  
**Associate Director of Leadership Gifts Req. 36139**, Gr. 058  
Harvard Law School/Development and Alumni Affairs FT (1/29/2009)

## Athletics

**Assistant Coach of Football (Defensive Coordinator) Req. 36123**, Gr. 056  
Faculty of Arts and Sciences/Athletics FT, SIC, (1/22/2009)  
**Director of Strength and Conditioning Req. 36147**, Gr. 058  
Faculty of Arts and Sciences/Athletics FT (2/5/2009)

## Communications

**Education and Outreach Manager Req. 36181**, Gr. 056  
Faculty of Arts and Sciences/Harvard Forest FT (2/5/2009)  
**Director of Communications Req. 36176**, Gr. 060  
Harvard Divinity School/Dean FT, SIC, (2/5/2009)

## Dining & Hospitality Services

**Kitchenperson/Chef's Helper/Potwasher/Laundryperson Combo Req. 36157**, Gr. 012  
Dining Services/Annenberg  
Union: HEREIU Local 26, PT (2/5/2009)  
**General Services Req. 36137**, Gr. 010  
Dining Services/Adams  
Union: HEREIU Local 26, PT (1/29/2009)  
**General Service Req. 36156**, Gr. 010  
Dining Services/Annenberg  
Union: HEREIU Local 26, PT (2/5/2009)  
**General Services Req. 36049**, Gr. 010  
Dining Services/Annenberg  
Union: HEREIU Local 26, FT (12/25/2008)  
**Grill Cook Req. 36133**, Gr. 032  
Dining Services/Northwest Cafe  
Union: HEREIU Local 26, FT (1/29/2009)  
**Second Cook/General Cook Req. 36154**, Gr. 020  
Dining Services/Annenberg  
Union: HEREIU Local 26, FT (2/5/2009)  
**General Service Req. 36159**, Gr. 010  
Dining Services/Annenberg  
Union: HEREIU Local 26, FT (2/5/2009)  
**Sous Chef Req. 36120**, Gr. 056  
University Administration/Faculty Club FT, SIC, (1/22/2009)

## Facilities

**Electrician (High Tension Technician) Req. 35899**, Gr. 029  
University Operations Services/Engineering & Utilities  
Union: ATC/IBEW Local 103, FT (11/27/2008)  
**Instrumentation & Control Technician Req. 36116**, Gr. 029  
University Operations Services/Engineering & Utilities  
Union: ATC/IUOE Local 877, FT (1/22/2009)

## Faculty & Student Services

**Assistant Director, Admissions Req. 35850**, Gr. 058  
Harvard Business School/MBA Admissions FT (11/20/2008)  
**Assistant Director, Admissions Req. 35851**, Gr. 058  
Harvard Business School/MBA Admissions

FT (11/20/2008)  
**Assistant Dean for Admissions Req. 36121**, Gr. 060  
Harvard Law School/Admissions FT (1/22/2009)  
**Admissions and Financial Aid Officer Req. 36140**, Gr. 055  
Faculty of Arts and Sciences/Graduate School of Arts and Sciences FT (1/29/2009)

## Finance

**Security Project Manager and Analyst Req. 35887**, Gr. 057  
Faculty of Arts and Sciences/FAS Office of Finance FT (11/20/2008)  
**Sponsored Research Administrator Req. 36131**, Gr. 056  
Faculty of Arts and Sciences/FAS Research Administration Services FT (1/29/2009)  
**Associate Dean of Finance/Chief Financial Officer Req. 35859**, Gr. 062  
JFK School of Government/Executive Dean's Office FT (11/20/2008)  
**Manager of Accounts Payable, Cash Management, and Travel and Entertainment Req. 36165**, Gr. 058  
Harvard School of Public Health/Office of Financial Services FT, SIC, (2/5/2009)  
**Associate Director, Research Administration and Financial Operations Req. 36005**, Gr. 058  
Harvard Business School/Division of Research and Faculty Development FT (12/11/2008)  
**Financial Systems Manager Req. 35940**, Gr. 057  
University Administration/HRES FT (11/27/2008)

## General Administration

**Director of Administrative Services Req. 36146**, Gr. 059  
Faculty of Arts and Sciences/Psychology FT (2/5/2009)  
**Senior Intervention Manager Req. 36170**, Gr. 057  
Graduate School of Education/Three-to-Third FT (2/5/2009)  
**Associate Director, Research Staff Services Req. 36067**, Gr. 058  
Harvard Business School/Division of Research and Faculty Development FT (12/25/2008)  
**Assistant to the Dean Req. 36134**, Gr. 055  
Harvard Medical School/Harvard School of Dental Medicine - Office of the Dean FT (1/29/2009)  
**Project Manager Req. 36168**, Gr. 057  
University Administration/Office for Faculty Development and Diversity FT (2/5/2009)  
**Manager of Strategic Communications and Research Dissemination Req. 35858**, Gr. 057  
JFK School of Government/Center for International Development FT (11/20/2008)  
**Director of Scientific Integrity Req. 36135**, Gr. 061  
Harvard Medical School/Office of Research Issues FT (1/29/2009)  
**Associate Dean for Resource Development Req. 35897**, Gr. 062  
Harvard School of Public Health/Dean's Office FT (11/27/2008)  
**Compliance Officer Req. 36089**, Gr. 059  
University Administration/Office of the Assistant to the President FT (1/15/2009)  
**Program Manager/Domain Manager, Justice and Human Rights Organizations Req. 36114**, Gr. 058  
JFK School of Government/Hauser Center for Nonprofit Organizations FT (1/22/2009)  
**Latin America Project Manager Req. 36132**, Gr. 056  
Graduate School of Education/WIDE

FT, SIC, (1/29/2009)  
**Program Manager MassCONNECT 4KIDS (Program Manager MC4K) Req. 35941**, Gr. 056  
Harvard School of Public Health/Division of Public Health Practice FT (11/27/2008)  
**Assistant Director, Surveys & Analysis Req. 35948**, Gr. 057  
Graduate School of Education/COACHE FT (11/27/2008)  
**Assistant Provost for Faculty Appointments Req. 36172**, Gr. 061  
University Administration/ Office for Faculty Development & Diversit FT (2/5/2009)

## Health Care

**Chief of Physical Therapy - Out Patient Req. 36150**, Gr. 058  
University Health Services/UHS-Physical Therapy FT (2/5/2009)

## Information Technology

**CTSC Senior Software Engineer, Applications and Web UI Req. 36066**, Gr. 058  
Harvard Medical School/CBMI/Countway FT (12/25/2008)  
**Incident Management Analyst Req. 36182**, Gr. 056  
Faculty of Arts and Sciences/FAS IT FT (2/5/2009)  
**Windows Systems Administrator Req. 36112**, Gr. 057  
Harvard Law School/IT Services FT (1/22/2009)  
**Exchange Engineer Req. 36103**, Gr. 058  
University Information Systems/Network & Server Systems FT (1/15/2009)  
**Software Engineer Req. 35979**, Gr. 057  
Harvard Medical School/CBMI/Countway FT (12/4/2008)  
**CTSC Enterprise Application Integration Architect (Technical Lead) Req. 36179**, Gr. 059  
Harvard Medical School/CBMI/Countway FT (2/5/2009)  
**Software Applications Developer Req. 36073**, Gr. 056  
Harvard School of Public Health/Office of Student Services FT (12/25/2008)  
**Web Application Developer Req. 35863**, Gr. 057  
Faculty of Arts and Sciences/FAS IT FT (11/20/2008)  
**Associate Director of Technical Operations Req. 36169**, Gr. 059  
Faculty of Arts and Sciences/FAS IT FT (2/5/2009)  
**Senior Product Manager for Administrative Applications Req. 35862**, Gr. 058  
Faculty of Arts and Sciences/FAS IT FT (11/20/2008)  
**Client Support Specialist Req. 35866**, Gr. 057  
Faculty of Arts and Sciences/FAS IT FT (11/20/2008)  
**Senior Programmer Req. 36081**, Gr. 057  
Faculty of Arts and Sciences/Center for American Political Studies FT (1/8/2009)  
**Program Manager, Project Management Office Req. 36153**, Gr. 059  
Harvard Business School/InformationTechnology Group FT (2/5/2009)  
**Programmer/Analyst Req. 36148**, Gr. 056  
Faculty of Arts and Sciences/CAPS FT (2/5/2009)  
**Research Computing Associate Req. 36130**, Gr. 058  
Faculty of Arts and Sciences/FAS IT FT (1/29/2009)  
**Database Administrator/Programmer Req. 36072**, Gr. 057  
Harvard School of Public Health/Office of Student Services

FT (12/25/2008)  
**Student Information Systems Support Specialist Req. 35975**, Gr. 056  
Harvard Divinity School/IT&MS FT (12/4/2008)  
**CTSC Applications Collaboration Architect (Technical Lead/Architect) Req. 36177**, Gr. 059  
Harvard Medical School/CBMI/Countway FT (2/5/2009)  
**Senior Database Administrator Req. 36016**, Gr. 058  
Harvard Medical School/Information Technology - eComputing FT (12/18/2008)  
**Business Analyst/Student Information System Specialist Req. 35961**, Gr. 057  
Division of Continuing Education/Registrar's Office FT (12/4/2008)  
**Director of IT Infrastructure Engineering and Design Req. 36173**, Gr. 060  
Faculty of Arts and Sciences/FAS IT FT (2/5/2009)

## Library

**Associate Director, Research and Knowledge Services Req. 36143**, Gr. 059  
JFK School of Government/Library and Knowledge Services FT (1/29/2009)

## Museum

**Norma Jean Calderwood Curatorial Fellowship Req. 36084**, Gr. 090  
Art Museums/Islamic/Later Indian Art FT (1/8/2009)

## Research

**Research Manager, EdLabs Req. 36113**, Gr. 056  
Faculty of Arts and Sciences/EdLabs FT (1/22/2009)  
**Director, Research Computing Services Req. 36127**, Gr. 060  
Harvard Business School/Division of Research and Faculty Development FT (1/29/2009)  
**Research Associate Req. 36088**, Gr. 055  
Harvard Business School/Division of Research & Faculty Development PT (1/15/2009)  
**Manager of Training and Support Services Req. 36149**, Gr. 057  
Harvard Medical School/ARCM FT (2/5/2009)  
**Clinical Project Manager Req. 36158**, Gr. 057  
Harvard Medical School/Psychiatry FT (2/5/2009)  
**Sr. Research Specialist Req. 36077**, Gr. 054  
Harvard School of Public Health/Nutrition Union: HUCTW, FT (1/1/2009)  
**Data Analyst Req. 36020**, Gr. 056  
Harvard School of Public Health/Immunology and Infectious Diseases FT (12/18/2008)  
**Research Associate Req. 36041**, Gr. 056  
Harvard Business School/Division of Research & Faculty Development PT (12/18/2008)

## Special Listings

**Lecturers**  
Part-Time Lecturers on Social Studies at Harvard University for 2009-10. Positions teaching in Social Studies 10, a year-long sophomore social theory course, and also semester-long junior tutorials. All candidates must have their Ph.D. by June 30th, 2009. Our application deadline will be February 27th, 2009. For more information, please email Dr. Anya Bernstein, [abernst@fas.harvard.edu](mailto:abernst@fas.harvard.edu). Women and minorities are especially encouraged to apply. Harvard University is an AA/EOE employer.

# HRES proposes 2009-10 rents for Harvard housing

Per University policy, Harvard Real Estate Services (HRES) charges market rent for its housing. To establish proposed rents for 2009-10, HRES performed a regression analysis on three years of market rents for more than 4,000 neighboring apartments voluntarily posted at the Harvard University Housing Office by non-Harvard property owners.

Because the majority of these listings are weighted disproportionately toward older, smaller, owner-occupied buildings, for the second year in a row HRES engaged a leading, local real estate appraisal firm, Byrne McKinney & Associates Inc., to collect additional private rental market listings from comparable larger apartment complexes in Cambridge and Boston. HRES then performed a regression analysis on this combined data. The results of these combined analyses were reviewed and endorsed by an external expert, Jayendu Patel of Economic, Financial, & Statistical Consulting Services. These results (and other market research) agree that market rents are increasing at a steady rate and that HRES rents must rise comparatively to keep pace.

The proposed new market rents noted in this article have been reviewed and endorsed by the Faculty Advisory Committee on HRES Harvard University Housing (described below) and will take effect July 1, 2009, for a term of one year.

All revenues generated by Harvard Housing in excess of operating expenses and debt service are used to fund capital improvements and renewal of the facilities in HRES's existing portfolio.

## Proposed 2009-10 continuing rents for Harvard affiliates

Current Harvard Housing residents who choose to extend their lease for another year will receive either a rent increase of 1 percent or will be charged the new market rent for their apartment, whichever rent is lower. Heat, hot water, and electricity are included in all apartment rents, and Harvard Internet service is included in some.

Harvard Housing residents will receive an e-mail from Harvard Real Estate Services in March 2009 with instructions on how to submit a request to either extend or terminate their current lease. Residents who would like additional information or help in determining their continuing rent rates for 2009-10 may call the Harvard University Housing Leasing Office at (617) 495-1459.

## Proposed 2009-10 rents for new residents, effective July 1

HRES's research for its proposed 2009-10 rents resulted in a recommendation that the overall new market rents for all new residents should increase, on average, 2 percent, starting on July 1, 2009. In support of Harvard's fair market rent policy,\* which is applied on a unit-by-unit basis, rent rates will increase for the majority of unit types, while some rent rates will stay at their current levels.

Written comments on the proposed rents may be sent to the Faculty Advisory Committee on Harvard University Housing, c/o Harvard Real Estate Services, 7 Holyoke St., Mezzanine Level, Cambridge, MA 02138. Comments to the committee may also be sent via e-mail to [leasing@harvard.edu](mailto:leasing@harvard.edu). Any written comments should be submitted to either of the above addresses by Feb. 15, 2009.

The comments received will be reviewed by the Faculty Advisory Committee, which includes David Carrasco, Neil L. Rudenstine, Professor for the Study of Latin America in the Faculty of Divinity and the Faculty of Arts and Sciences; William Hogan, Raymond Plank Professor of Global Energy Policy, Harvard Kennedy School (HKS); Howell Jackson, James S. Reid Jr. Professor of Law, Harvard Law School; Jerold S. Kayden, co-chair of the Department of Urban Planning and Design, director of the master in urban planning degree program, and Frank Backus Williams Professor of Urban Planning and Design, Graduate School of Design; Jennifer Lerner, professor of public policy, HKS; Daniel P. Schrag, Sturgis Hooper Professor of Geology and professor of environmental science and engineering, Faculty of Arts and Sciences; and James Gray, associate vice president, HRES (chair), Harvard University.

After the comments are reviewed and considered, the final rent schedule will be published in March.

\*In keeping with the University's fair market rent policy that was established in 1983 by a faculty committee chaired by Professor Archibald Cox, the rents for Harvard University Housing are set at prevailing market rates. The original faculty committee determined that market rate pricing was the fairest method of allocating apartments and that setting rents for Harvard University Housing below market rate would be a form of financial aid, which should be determined by each individual School, not via the rent-setting process. Additionally, the cost of housing should be considered when financial aid is determined.

## Variety of housing available

Harvard Real Estate Services (HRES) manages approximately 3,000 apartments, offering a broad choice of styles, amenities, and sizes to meet the individual budgets and housing needs of Harvard affiliates (full-time graduate students, faculty members, or employees). Apartments

are available in a variety of sizes: standard and double studios; standard and convertible one-bedrooms; and two-, three-, and four-bedroom units.

Harvard affiliates may apply for Harvard University Housing online at [www.hres.harvard.edu/rre.htm](http://www.hres.harvard.edu/rre.htm) (click on Harvard University Housing).

The home page also provides information about additional housing options and useful Harvard and community resources for incoming and current affiliates.

## New market rents for new residents effective July 1, 2009

■ 10 Akron St. (all utilities and Harvard Internet service included): studios \$1,510; one-bedroom convertibles \$1,885.

■ 18 Banks/8A Mt. Auburn (all utilities included): one bedrooms \$1,660-\$1,750; two bedrooms \$2,190-\$2,250.

■ Beckwith Circle (all utilities included): three bedrooms \$2,285-\$2,345; four bedrooms \$2,700-\$2,760.

■ Botanic Gardens (all utilities and Harvard Internet service included): one bedrooms \$1,571-\$1,609; two bedrooms \$2,208; three bedrooms \$2,840.

■ 472-474 Broadway (all utilities included): one bedrooms \$1,570.

■ 5 Cowperthwaite St. (all utilities and Harvard Internet service included): studios \$1,510; one-bedroom convertibles \$1,885; two bedrooms \$2,275.

■ 27 Everett St. (all utilities included): one bedrooms \$1,760-\$1,950; three bedrooms \$2,725-\$2,875.

■ 29 Garden St. (all utilities and Harvard Internet service included): studios \$1,450-\$1,470; double studios \$2,050-\$2,170; two bedrooms \$2,420-\$2,440; three bedrooms \$2,855-\$2,875.

■ Harvard @ Trilogy (all utilities and Harvard Internet included): studios \$1,630; double studios \$2,260; one-bedroom convertibles \$2,050.

■ Haskins Hall (all utilities included): studios \$1,285; one bedrooms \$1,500.

■ Holden Green (all utilities included): one bedrooms \$1,522-\$1,650; two bedrooms \$1,920-\$2,040; three bedrooms \$2,570.

■ 2 Holyoke St. (all utilities included): one bedrooms \$1,485-\$1,595.

■ Kirkland Court (all utilities included): one bedrooms \$1,520-\$1,630; two bedrooms \$1,930-\$2,100; three bedrooms \$2,560-\$2,710.

■ 1306 Massachusetts Ave. (all utilities included): studios \$1,415; one bedrooms \$1,640; two bedrooms \$2,140.

■ 65 Mt. Auburn St. (all utilities included): studios \$1,400; one bedrooms \$1,650-\$1,750; two bedrooms \$2,075.

■ Peabody Terrace (all utilities and Harvard Internet included): studios \$1,295-\$1,325; one bedrooms \$1,490-\$1,520; two bedrooms \$1,855-\$1,885; three bedrooms \$2,650.

■ 8 Plympton St. (all utilities included): studios \$1,430; one bedrooms \$1,650; two bedrooms \$2,140-\$2,200; three bedrooms \$2,790.

■ 16 Prescott St. (all utilities included): studios \$1,295; one bedrooms \$1,445-\$1,500.

■ 18 Prescott St. (all utilities included): studios \$1,295; one bedrooms \$1,475.

■ 20-20A Prescott St. (all utilities included): studios \$1,300; one bedrooms \$1,560-\$1,690; two bedrooms \$2,140; three bedrooms \$2,880-\$2,890; four bedrooms \$3,200.

■ 22-24 Prescott St. (all utilities included): studios \$1,320; one bedrooms \$1,565.

■ 85-95 Prescott St. (all utilities included): studios \$1,295-\$1,345; one bedrooms \$1,650; two bedrooms \$2,135.

■ Shaler Lane (all utilities included): one bedrooms \$1,500; two bedrooms \$1,875-\$1,975.

■ Soldiers Field Park (all utilities and Harvard Internet included): studios \$1,380-\$1,470; one bedrooms \$1,600-\$1,770; two bedrooms \$2,023-\$2,113; three bedrooms \$2,675-\$2,770.

■ Terry Terrace (all utilities and Harvard Internet included): studios \$1,375-\$1,400; one bedrooms \$1,560-\$1,660; two bedrooms \$1,990-\$2,080.

■ 9-13A Ware St. (all utilities included): studios \$1,300; one bedrooms \$1,510; two bedrooms \$1,910.

■ 19 Ware St. (all utilities included): two bedrooms \$2,425; three bedrooms \$2,885.

■ One Western Avenue (all utilities and Harvard Internet included): studios \$1,575; one bedrooms \$1,835; two bedrooms \$2,300-\$2,360; three bedrooms \$3,080.

■ Wood Frame Buildings, Agassiz Area (all utilities included): studios \$1,396; one bedrooms \$1,697; two bedrooms \$2,216; three bedrooms \$2,280; four bedrooms \$3,190.

■ Wood Frame Buildings, Harvard Square/Mid-Cambridge Area (all utilities included): studios \$1,352; one bedrooms \$1,732; two bedrooms \$2,338; three bedrooms \$2,885.

■ Wood Frame Buildings, Riverside Area (older properties, all utilities included; 2007/2008 construction, all utilities and Harvard Internet included): one bedrooms \$1,512-\$1,840; two bedrooms \$2,263-\$2,663; three bedrooms \$2,503-\$3,158.



A selection of photographs by the Nigerian-born artist Fani-Kayode includes (clockwise from left) 'Every Moment Counts,' 1989; 'Nothing To Lose VIII,' 1989; and 'Black Friar,' 1989.

## 'Rotimi Fani-Kayode (1955-1989): Photographs' Du Bois exhibit a first in U.S.

By Colleen Walsh  
Harvard News Office

The images on the walls of the intimate gallery at 104 Mt. Auburn St. are hauntingly evocative. In "Black Friar," a hooded figure stares out of the darkness, his gaze intense and unsettled. An opposing image, "Every Moment Counts," offers a modern approach to Jesus, as a beloved disciple leans against the body of the Christ-like figure whose eyes are fixed on the heavens.



The works comprise a new exhibit titled "Rotimi Fani-Kayode (1955-1989): Photographs," a selection of photographs by the Nigerian-born artist Fani-Kayode, in partial collaboration with

his late partner Alex Hirst.

The show was born out of what its curator calls "an ongoing dialogue between Professor Henry Louis Gates Jr. and Autograph ABP," a London-based organization co-founded by Fani-Kayode in 1988 that promotes photography addressing issues of race, cultural identity, and human rights. The exhibit will be on display at the Neil L. and Angelica Zander Rudenstine Gallery, located in the W.E.B. Du Bois Institute for African and African American Research, through May 15.

"When Professor Gates called at the end of last year to discuss the possibility of curating a show for the Rudenstine Gallery's spring 2009 slot, we were of course delighted by the prospect of this partnership," said the show's curator Renée Mussai, archive project manager at Autograph ABP.

Often sexually charged, the pictures are also

infused with religious, racial, and ethnic themes and reflect the artist's efforts to understand his own life, his cultural heritage, and his homosexuality, all while living in exile.

Fani-Kayode was born in Nigeria in 1955 to a family with strong ties to both politics and the Yoruba religion. Following a military coup in 1966, the artist fled with his family to England. In 1976, he moved to the United States to further his studies. After receiving his undergraduate degree in 1980, he earned a master's of fine arts from the Pratt Institute in 1983. His career was cut short by a brief, unexpected illness in 1989 when he was just 34.

A self-described outsider, much of Fani-Kayode's work is informed by what Mussai calls "the complexity of experience of his life, and the multiple positions he occupied — as an African in exile, a political black gay man in 1980s London, a struggling young artist on the margins of society, a son estranged from his familial and cultural traditions yearning to get in touch with his roots and ancestral heritage."

The Du Bois Institute's show, which coincides with the 20th anniversary of the artist's death, is the first major solo exhibit of Fani-Kayode's work in the United States. It was developed as a retrospective, said Mussai, incorporating a variety of photos ranging from his early career to those shot during the last years of his life. Mussai hopes the exhibit will not only expose a new audience to Fani-Kayode's work, but also encourage a broad discourse.

"Fani-Kayode's photographs draw upon a plethora of image references and a multiplicity of sources that defy a linear reading or easy categorization.

"I am hoping to be able to take viewers to a place that opens up and encourages a dialogue, a debate: to provide the audience with an intimate

glimpse into the complexities Fani-Kayode was dealing with in his work."

The heart of the exhibit revolves around six large-scale color photographs produced at the end of the artist's career, between 1988 and 1989, as part of two major bodies of work, "Ecstatic An-



tibodies" and "Bodies of Experience." The show also includes a series of 10 black-and-white photographs ranging in size, as well as a 10-minute video that features a series of additional images as well as excerpts of the artist's writings.

A gallery talk featuring comments from Gates, Alphonse Fletcher University Professor and director of the W.E.B. Du Bois Institute for African and African American Research; Mark Sealy, director of Autograph ABP; and Mussai will take place in early March.