

## Inside & ONLINE



**Rejection is good**  
Successful people gather to talk about how their failures helped them flourish.  
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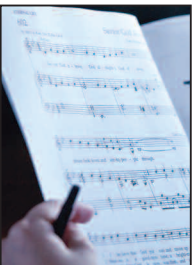


**Now, Afghanistan**  
Gen. Petraeus talks about lessons learned from Iraq, strategies for Afghanistan.  
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**Algae or animals?**  
A new look at an old phenomenon might help explain the mysterious Cambrian Explosion.  
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## Multimedia



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Class on American sacred music at HDS covers centuries of religious song.  
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www.news.harvard.edu/multimedia/flash/090423\_sacred.swf

# Organic brew puts green back into Yard

Katherine C. Coehy/Harvard News Office



Landscapers amended the soils of Harvard Yard with custom-made compost 'teas.' The rich, dark liquids were brewed in 250-gallon vats fitted with aeration pumps, then sprayed onto needy soils. Harvard horticulturist Kieran V. Clyne (below) uses a tractor and a tank in Harvard Yard last year to spray grass with the 'tea.'



Photo courtesy of University Operations Services

## Eight-month soil restoration project begins to take root

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

Earth Week is a good time to celebrate earth itself — the planet's loose covering of fine-ground ancient rock we call soil. **sustainability** In its healthiest state, soil teems invisibly with a busy living web of water, gases, insects, bacteria, and fungi.

In the right balance, these interacting biological and chemical components enrich soils, which in turn support healthy plants.

"The amount of life underneath the surface of the soil is amazing," said horticulturist Eric T. Fleisher, a Loeb Fellow last year at Harvard's Graduate School of Design (GSD) and a soils restoration consultant at the University this year. "Yet we rarely focus on soil as a living organism."

Soils under human care require maintenance that is "adaptive," he said — meaning flexible, comprehensive, sensitive, and complex. Last year, his holistic view (and expert direction) inspired an eight-month soils restoration project in Harvard Yard.

"It's not product-based," said Fleisher about the approach. "It's knowledge-based." Just adding chemicals denies the biological, chemical, and structural complexity of soils, he said. Better to study them, care for them — and restore them — from the bottom up.

In a world of plant care still seduced by the power of single chemicals, landscapers have to embrace the idea that there is "no one single answer," said Fleisher, and that healthy plants begin with healthy soils.

The Harvard project was modeled on Fleisher's work as director of horticulture at Battery Park City Parks Conservancy in Lower Manhattan. Since 1989, the 37-acre swath along the Hudson River has been New York City's only fully organic

public landscape.

The Harvard soils project of 2008 bloomed into an organic landscaping operation that since last May covers the 16 acres of Harvard Yard and adjoining Tercentenary Theatre.

This spring, more of the University's landscape footprint was added to the organic column, including the GSD, Harvard Kennedy School, and the Harvard Graduate School of Education.

Behind the greening of the greenery is Harvard's Facilities Maintenance Operation (FMO), a division of University Operations Services that

(See *Soil*, page 32)

# Chance favored expedition leader in 'missing link' discovery

Photo by Tony Rinaldo



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

A graphic in an undergraduate geology textbook serendipitously led to the 2004 discovery of the missing link between fish and land animals far in the Canadian Arctic, one of the creature's discoverers said during an April 16 lecture at Harvard.

Neil Shubin, a professor at the University of Chicago and leader of the expedition that discovered *Tik-*

**In a recent talk at Harvard, Neil Shubin describes how he discovered *Tiktaalik roseae*.**

*taalik roseae*, dedicated his career to finding an intermediary between lobe-finned fishes, which existed some 380 million years ago and early land animals, the first **evolution** of which is thought to have existed 365 million years ago.

After years of work fruitlessly seeking fossils of the right age — about 370 million years old — in outcroppings in Pennsylvania, Shubin realized the fossils he was finding were a bit too young. Rather than finding examples of the transition from fish to land animals, he was finding early land animals. He needed to find outcroppings that were a

little older.

In the winter of 1998, Shubin was arguing a point with Ted Daschler, a graduate student who would accompany Shubin on the Tiktaalik expeditions, and pulled out an undergraduate geology textbook. As he flipped through the pages, he found a graphic that showed where major Devonian era rock outcroppings lie. Two were well-known to him — in Pennsylvania where he was currently working, and in east Greenland, which was well-explored. The third site was in the Canadian arctic and was largely unexplored.

(See *Tiktaalik*, page 8)

## This month in Harvard history

**April 10, 1950** — Ralph J. Bunche — AM '28, PhD '34, Director of the United Nations Trusteeship Department, and future winner of the 1950 Nobel Peace Prize — is appointed to a government professorship. He is the first black named to the Faculty of Arts and Sciences. Bunche expects to do teaching and research in international relations, international law, and colonial administration. But U.N. duties prevent him from teaching a single class. He resigns in 1952.

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

## MEMORIAL SERVICES

### Wood memorial April 26

Carroll Emory Wood Jr., 88, a Harvard University professor of biology and curator of the Arnold Arboretum, died March 15. He was teacher and mentor to many botanists and students at Harvard and at the University of North Carolina. A specialist in the flora of the Southeastern United States, he initiated, supervised, and edited a comprehensive flora of that region, "The Generic Flora of the Southeastern United States." A "Celebration of Carroll" will be held on April 26 from 3 to 5 p.m., at United South End Settlements, 566 Columbus Ave., Boston.

## FACULTY COUNCIL

At its 11th meeting of the year on April 22, the Faculty Council reviewed the proposed Extension School courses for 2009-10; considered a proposal for a new Department of Human Evolutionary Biology; and discussed Google and the Harvard College Library.

The council's final meeting of 2008-09 will be on May 13. The preliminary deadline for the May 19 Faculty meeting is May 4 at 9:30 a.m.

## ERRATUM

An incorrect photo accompanied Sa'ed Atshan's biography in the Soros Fellowship story, "Eight graduate students awarded Soros Fellowships," which appeared in the April 16 issue of the Gazette. The Gazette regrets the error. To view the full story, [www.news.harvard.edu/gazette/2009/04.16/11-soros.html](http://www.news.harvard.edu/gazette/2009/04.16/11-soros.html)



Atshan

## PRESIDENT'S OFFICE HOURS 2009

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

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.

## Bountiful harvest



Rose Lincoln/Harvard News Office

A colorful salad bar as seen from above in the Harvard Graduate School of Design café, called the Chauhaus.

## POLICE REPORTS

Following are some of the incidents reported to the Harvard University Police Department (HUPD) for the week ending April 21. 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/).

**April 16:** Officers were dispatched to the Center for Middle Eastern Studies to take a report of a stolen IBM Thinkpad laptop. An officer was dispatched to take a report of \$1,000 in cash stolen at the Dental School.

**April 17:** A suspicious individual was reported outside the entryway of Leverett House. Officers report the individual was gone on arrival.

**April 18:** At Leverett House, officers were dispatched to a report of a suspicious individual in the building. Officers located the individual, conducted a field interview, ran the individual for warrants, and found that the individual had a previous trespass warning. The individual was placed under arrest

and charged with felony breaking and entering. At the Harvard Institutes of Medicine Building, two individuals were arrested while attempting to steal a bicycle. Officers observed one of the suspects riding a bicycle, and when the suspect saw the officers, the individual attempted to flee the area. The officers conducted a foot pursuit, stopped the individual, and located the bicycle as well as the other individual. Both individuals were charged with larceny.

**April 19:** Officers were dispatched to Pforzheimer House to a report of a suspicious individual in the building turning door-knobs in an attempt to gain access to rooms. The reporting individual stated they attempted to speak with the individual, but the suspicious individual walked away. Officers conducted an extensive search of the area for the individual with negative results. At Gund Hall, an officer was dispatched to take a report of a stolen bicycle and black bag. The individual's lock was cut and left at the

scene.

**April 20:** At the Pound Building, officers were dispatched to a report of a suspicious individual in the building. The officers located the individual, conducted a field interview, ran the individual for warrants with negative results, and issued the individual a trespass warning for all Harvard University property. An individual's moped was stolen at Gund Hall. At Dunster House, an officer took a report of a stolen purse containing a digital camera, \$200 in cash, and a license.

**April 21:** Officers were dispatched to a report of a student who was the victim of an attempted armed robbery. The victim stated that while traveling on the walkway between Memorial Hall and the Cambridge Street overpass, they were approached by an individual, who struck the victim in the head with a metal pipe and attempted to take the victim's purse. After being struck, the victim, who was unable to provide a detailed description of the suspect, fled the area.



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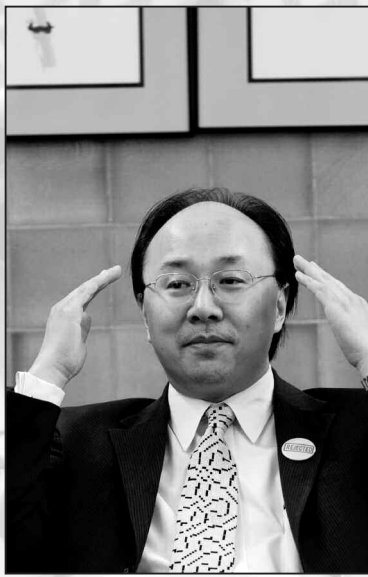
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Photos: Stephanie Mitchell/Harvard News Office



Abigail Lipson (clockwise from top left), Xiao-Li Meng, Patricia Hernandez '04, and Lowry Pei '67 were among the panelists who shared personal and professional experiences of rejection. The consensus: Failure is sometimes the pathway to new opportunity.

## The upside of rejection

*Successes talk about their failures*

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

Want a dose of *veritas*? Even at a place like Harvard, rejection and failure are regular visitors.

Everyone has a story of a job, a paper, a fellowship application that failed to make the grade. Some rejections sting even years later.

Consider Xiao-Li Meng. He's a Harvard Ph.D., chairman of a prestigious Harvard department (Statistics), and until this year was editor of one of his discipline's strongest journals.

But Meng has suffered setbacks, including a rejection letter from one graduate school in his native China (despite near-perfect grades).

As master of probability, he would be the first to tell you that the odds of rejection, for all of us, are perfect.

And he would be the first to tell you that failure is sometimes the pathway to wisdom, or to new opportunity.

Meng was part of a panel last week (April 15) aptly called "Reflections on Rejections," sponsored by Harvard's Bureau of Study Counsel (BSC).

Those brave enough to come to the session at the Office of Career Services (around 20 listeners) got a reward: a pink button stamped "Rejected" and a booklet of 28 Harvard stories of personal failure.

The essays include one by a Harvard grad turned down by Starbucks. Others tell tales —

softened by the mercy of passing time — of being rejected as novelists, column writers, business school students, lawyers, and jewelry makers.

Then there's George Church. He repeated ninth grade and flunked out of a Duke University Ph.D. program.

But revenge is sweet. Church enrolled at Harvard the following year, earned a doctorate in 1984, and went on to write the first automated DNA sequencing software, win 10 patents (with others pending), and serve on 22 scientific advisory boards. He's now a professor of genetics at Harvard Medical School and director of the Center for Computational Genetics.

Despite present-day success, all of the Harvard essayists had experiences with rejection "that stayed with them years and years," said booklet editor Abigail Lipson, who is the BSC director.

The staying power of rejection was evident to the panelists.

Meng remembers a single flubbed test in college that kept him from eating or sleeping for days.

But he remembers, too, what landed him at Harvard: his rejection from graduate school in

(See **Rejection**, next page)

## Eighteen faculty, affiliates named to 2009 class of AAAS Fellows

The American Academy of Arts and Sciences (AAAS) today (April 20) announced the election of leaders in the sciences, the humanities and the arts, business, public affairs, and the nonprofit sector. The 210 new AAAS Fellows and 19 Foreign Honorary Members join one of the nation's most prestigious honorary societies and a center for independent policy research. Included among this field are 17 Harvard faculty members and a Radcliffe Institute Fellow.

The academy, established in 1780 by founders of the nation, undertakes studies of complex and emerging problems. Current projects focus on science, technology, and global security; social policy and American institutions; the humanities and culture; and education. The academy's membership of scholars and practitioners from many disciplines and professions gives it a unique capacity to conduct a wide range of interdisciplinary, long-term policy research endeavors.



AMERICAN ACADEMY OF ARTS & SCIENCES

Harvard's new AAAS inductees include Philippe Aghion, Robert C. Waggoner Professor of Economics; Richard Cavanagh, adjunct lecturer on public policy; Scott Edwards, Alexander Agassiz Professor of Zoology and curator of ornithology at the Museum of Comparative Zoology; Paul Farmer, Maude and Lillian Presley Professor of Social Medicine in the Department of Global Health and Social Medicine; Benjamin Friedman, William Joseph Maier Professor of Political Economy; James Haber, fellow, Radcliffe Institute for Advanced Study; Jeffrey Hamburger, Kuno Francke Professor of German Art and Culture; Lene Hau, Mallinckrodt Professor of Physics and Applied Physics; Guido Imbens, professor of economics; Stein Jacobsen, professor of geochemistry; Jamaica Kincaid, visiting lecturer, African and African American studies and on English and American literature and language; Michael Klarman, Kirkland and Ellis Professor of Law; Carol Mancusi-Ungaro, founding director of Harvard's Center for the Technical Study of Modern Art; Anjana Rao, professor of pathology; Mark J. Roe, David Berg Professor of Law; Gary Ruvkun, professor of genetics; Steven Shapin, Franklin L. Ford Professor of the History of Science; and Beth Simmons, director of the Weatherhead Center for International Affairs and Clarence Dillon Professor of International Affairs.

The scholars, scientists, jurists, writers, artists, civic, corporate, and philanthropic leaders come from 28 states and 11 countries and range in age from 33 to 83. They represent universities, museums, national laboratories, private research institutes, businesses, and foundations. This year's group also includes Nobel laureates and recipients of the Pulitzer and Pritzker prizes; MacArthur fellowships; Academy, Grammy, and Tony awards; and the National Medal of Arts.

"These remarkable men and women have made singular contributions to their fields, and to the world," said Academy President Emilio Bizzi. "By electing them as members, the academy honors them and their work, and they, in turn, honor us."

The new class will be inducted at a ceremony on Oct. 10, at the academy's headquarters in Cambridge, Mass.

## Rejection

(Continued from previous page)

China. "I'm really thankful they rejected me," said Meng. "That's why I'm here today."

The panelist agreed that failure is sometimes the nudge you need to send your life in another, more fruitful, direction.

Patricia Hernandez '04, a research associate at Harvard Business School, came to Harvard with her sights set on medical school — then hit a wall of C-plus grades in her science courses. "I should have realized my passions were elsewhere," she said — as in the passion she is cultivating now for research and psychology.

"Rejection," said Hernandez, "is a great signaling tool."

Lipson called those redirecting moments of rejection "a sharp left" along a career path.

Panelist Lowry Pei '67 is a professor of English at Simmons College. His first novel was a smash hit — and the next six were all turned down.

"I have harvested a hell of a lot of rejections," he said, reflecting on the fickle publishing world. "Eventually you decide it's not about the



Stephanie Mitchell/Harvard News Office

**Robin Mount, the interim director of the Office of Career Services, introduced the panel.**

product, but about the process." (Pei ended up posting all his novels online.)

Meng is a department administrator and was until recently a journal editor — positions that have allowed him to understand the process of rejection "from the other side," he said.

"Once I became an editor, I became incredibly brutal" — obliged to review 400 papers a year and still maintain a 15 percent acceptance rate.

With perspective from both sides, Meng offered those suffering rejection what he called "three F-words" of advice: Forget it for 48 hours. Find a way to improve. And "forgive those who rejected you," said Meng. "Sooner or later, with all your good intentions, you will reject others."

Meng's contribution to the booklet was a two-page "statistical theory of rejection." Its five theorems were a wise invitation to relax.

"For any acceptance worth competing for," one offered, "the probability of a randomly selected applicant being rejected is higher than the probability of being accepted."

Another theorem stated what is both obvious and hard to accept: "The probability that you will be accepted for everything you compete for is zero."

In the audience for the 90-minute panel were students standing at ground zero of a troubled economy, including several seniors 50 days from graduation (and still jobless).

One had been applying for work since February — and the rejections were piling up. She learned one thing, at least, she said. A Harvard degree is no guarantee of landing employment.

Lipson agreed. "There is no one," she said, "who has never been rejected."



Photos Jon Chase/Harvard News Office

**Experts from many disciplines gathered at a symposium at the Radcliffe Institute to untangle the intellectual, social, emotional, and anatomical factors that relate to making choices.**

## Scholars take a look at decision making

By **Corydon Ireland**  
Harvard News Office

Decisions, decisions. We all make them, starting with which side of the bed to get up on in the morning.

But on a personal and public scale, many decisions have grave consequences for health, financial well-being, and — true enough — the fate of the planet.

As important as it is, decision making has been the subject of very little intellectual inquiry. Experts from many disciplines are just starting to untangle the intellectual, social, emotional, and anatomical factors that relate to making choices.

A lot of this untangling took place during "Improving Decision Making: Interdisciplinary Lessons from the Natural and Social Sciences," a symposium last week (April 17) at the Radcliffe Institute for Advanced Study.

**behavior** The daylong series of lectures — relieved by intense interchanges at poster sessions — brought together hundreds of national experts in neurobiology, economy, public policy, psychology, artificial intelligence, and negotiation techniques.

The symposium "spans multiple disciplines," said Rosalind A. Segal, director of the science program at the Radcliffe Institute. Scholars from Harvard alone, she said, represented business, government, medicine, and the sciences. (Segal, one of the event organizers, is a professor of neurobiology at Harvard Medical School.)

The same interdisciplinary approach is employed at the new Harvard Decision Science Laboratory, which opened last December at the Harvard Kennedy School.

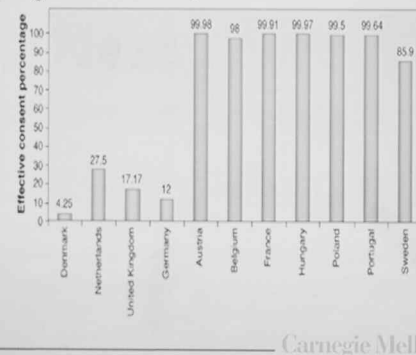
Decision science is in its infancy, but at its scholarly core are two older disciplines, economics and psychology. The resulting hybrid of "behavioral economists" are starting to make their voices heard, especially in public policy.

Take health care, for instance. Lots of evidence of bad decision making there, said Carnegie Mellon University Professor George Loewenstein, a pioneer among behavioral economists.

From 1960 to 2000, rates of U.S. obesity more than doubled, he said — and 71 percent of Americans are either obese or overweight. The social consequences: One-

### Convenience manipulation plays on:

- Default bias: Substantial evidence that defaults matter — e.g., organ donations, investment allocations.
- People prone to take "path of least resistance" even when superior options are available



third of all deaths are now linked to lifestyle factors controlled by personal decisions.

And what about personal finance? A similar mess, said Loewenstein. Americans have low savings rates and high debt rates. The typical U.S. household staggers under \$9,000 in credit card debt and pays \$1,000 a year just to service it.

Meanwhile, public policy attempts to reverse these sad trends are failing because they rely too much on simply imparting better information, a tactic that evidence shows doesn't work. "Knowledge increases," he said, "but without similar changes in behavior."

Nearly two decades of nutrition labeling is a flop — people are getting fatter. And recent municipal efforts to limit fat in New York City restaurants have — perversely — led to more supersizing at mealtime.

Loewenstein urged new pathways to public policy on debt, diet, and other social problems. He suggested using typical human "decision errors" — laziness, short-sightedness, an aversion to losing money — to improve behavior.

For one, reset default options — like 401(k) savings plans that people have to back out of rather than sign up for.

For another, "incentivize" behavior change. Loewenstein likes weight-loss programs that require monetary "deposit contracts," for instance. Fail to lose the number of pounds you contracted for and you lose your money. This triggers "loss aversion," he said. "People really hate losing money."

Information, packaged nontraditionally, can also play a role in changing behavior, said Yale University's Dean S. Karlan. He's a behavioral economist who studies economic and health behaviors in the developing world.

In Peru, Bolivia, and the Philippines, Karlan tested a low-tech way to increase savings rates: frequent reminders via cell phone text mes-

sages or letters. Within a year, he said, savings rates increased by 6 percent.

Complex neural systems affect decision making, a fact that has prompted a new world of inquiry — "decision neuroscience" — that sometimes gets down to the level of single cells.

Antoine Bechara, who teaches neurology and psychology at the University of Southern California, outlined his recent work on the areas of the brain that affect decision making. He proposed a "somatic marker framework" for understanding the neural networks controlling emotions, impulse control, and craving.

Decision science investigates the personal, the public, and the medical — and it also has a role in the realm of work.

Carnegie Mellon economist Linda C. Babcock considered the rapid decisions women have to make when negotiating for higher pay, benefits, or promotions in a working world still dominated by men.

Her studies investigate the efficacy of various "scripts" women can follow during negotiations. But in every scenario, she said, women face social backlash for being too aggressive or too timid. Babcock called this decision dilemma "a tightrope."

In brief concluding remarks, Harvard College Professor Daniel Gilbert — a social psychologist — swung back to decision making's wider frame.

"We are the only species that actually has a chance of dying by its own hand," he said — and bad decisions "are the only enemy we have."

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# The human colonization of Australia and the Americas examined



Jon Chase/Harvard News Office

The symposium's topic was conceived by Iain Davidson (above), visiting chair of Australian studies at the University of New England in Australia.

By Amy Lavoie  
FAS Communications

A recent symposium about the pre-history of Australia and the Americas brought together scholars from 10,000 miles apart. But that's nothing compared **anthropology** to the journey early humans made to populate Australia and the Americas tens of thousands of years ago.

The "Harvard Australian Studies Symposium: People Colonizing New Worlds" took place on April 17 and 18 at the Gutman Conference Center. The symposium brought together 27 scholars from Australia and the Americas to examine issues surrounding the coloniza-

tion of these two landmasses, the last populated by modern *Homo sapiens*. Humans first inhabited Australia about 50,000 years ago, while the Americas were colonized about 15,000 to 20,000 years ago.

With presentations from archaeologists, biological anthropologists, and geneticists, symposium participants discussed the circumstances under which people came to inhabit these continents, and what the early populations might have looked like.

The symposium's topic was conceived by Iain Davidson, visiting chair of Australian studies at the University of New England in Australia, who co-hosted the program with Harvard's Noreen Tuross,

Landon T. Clay Professor of Scientific Archaeology. The program was supported by Harvard's Australian Studies Committee, which is chaired by David Haig, professor of evolutionary biology. It was the first Harvard Australian Studies symposium in what is intended to be an ongoing annual series.

"The parallels and differences between the Americas and Australia are useful for gaining new perspectives on many of these research topics," says Haig. "By organizing these meetings between scholars and seeing things from different perspectives, both the Australian and the American scholars benefit from one another."

(See *Australia*, next page)

## Petraeus talks of lessons learned, challenges ahead

By Colleen Walsh  
Harvard News Office

Gen. David H. Petraeus, chief of the United States Central Command, spoke at Harvard April 21, offering his perspective on leadership and lessons learned in Iraq, and his take on the United States' strategy for the future security of Afghanistan and Pakistan.

His appearance at the John F. Kennedy Jr. Forum was a special ticketed event under tight security. Outside, a handful of protestors with signs stood in the rain on the sidewalk along the Littauer Building. But inside, the mood was friendly as Petraeus engaged in a conversation with David Gergen, professor of public service at Harvard's John F. Kennedy School of Government (HKS) and director of its Center for Public Leadership.

"When you went to Iraq people said it was hopeless ... and it turned around," said Gergen. "What leadership lessons did you learn from Iraq?"

"We sat down and we tried to get the big ideas right," responded Petraeus.

Four primary ideas emerged from this analysis, he said, the first and foremost of which was the notion of securing and serving the people — something that could only happen by American forces living directly with the Iraqi population.

"You can't 'commute to the fight,' as we say. You can't drive through the neighborhood a couple of times a day and go back to your big base and expect them to feel a sense of security."

Educating commanders about key strategies, overseeing their execution, and effectively exploiting lessons learned from the strategies' employment were the other top three "big ideas," said the general, who admitted to reading Bruce Catton's "Grant Takes Command," as a source of inspiration and guidance at the end of particularly difficult days in Iraq.

Clearing an area of insurgents, holding it, maintaining its security, and building up the area are other essential moves in the securing of any hostile region. Equally important is the next step: promoting reconciliation.

"You have to promote reconciliation. You can't kill or capture your way out of an industrial-strength insurgency like that which we faced in Iraq," noted Petraeus, adding that the process involved separating hard-core radicals who would be "part of the problem forever" from those who were reconcilable and could become part of the solution.

Petraeus took command of the multinational force in Iraq in 2007 and is widely considered responsible for the success of the troop surge and the subsequent reduction of violence and attacks on U.S. forces.

The general, who is known for his ease at connecting with troops, praised the effectiveness of e-mail, a tool that he said enables him to communicate directly with his junior officers, a key component of good leadership.

"It's a wonderful tool, it does allow you to reach down. ... It also allows them to reach up."

Many of the lessons learned and the ideas developed from the conflict in Iraq can be applied to the situations in Afghanistan and Pakistan, said Petraeus, but not without modification.

The goal in working with Pakistan, whose Afghanistan border has become a haven for insurgents, is to help its officials understand that their country's biggest threat comes from internal extremists, not from neighboring India, said Petraeus. He noted the difficulty of communicating this relatively foreign concept to many Pakistanis, calling it "intellectually dislocating."

Afghanistan was the subject that raised the most questions among the forum crowd, many of whom wondered about the best way forward.

While many of the same strategies and lessons

learned from Iraq apply to Afghanistan, said Petraeus, numerous other factors are at play. Understanding institutional structures and influences, important cultural differences, and the rampant drug trade (the



"oxygen of terrorist movements") are all critical.

Above all, he noted, the process of securing the country will take time. The United States is committing additional troops and financial aid and is training civilians who will complement local security forces in the coming months, but the security situation won't improve right away.

"We do believe that we can achieve progress," Petraeus said, "but it's going to get worse before it gets better, just as it did in Iraq."

At Harvard's Kennedy School, Gen. David H. Petraeus, chief of the United States Central Command, engaged in a conversation with David Gergen (left) about the similarities — and many differences — between the challenges of Iraq and those of Afghanistan.

Photos Stephanie Mitchell/Harvard News Office

Tom Ridge, the former secretary of homeland security, listens to Petraeus.

# Board of Overseers elects senior officers

The Board of Overseers of Harvard College, created in 1642 by the General Court of the Colony of Massachusetts Bay, has elected Merrick B. Garland '74, J.D. '77, to be president of Harvard's Board of Overseers for 2009-10 and Ann M. Fudge M.B.A. '77, to be vice chair of the board's executive committee for the same period.

Members of Harvard's Board of Overseers, the larger of the University's two governing boards, the other being the President and Fellows of Harvard College (also known as the Harvard Corporation), are elected members annually by Harvard graduates. Typically, five Overseers are elected each year to six-year terms of service.

Garland, a judge on the United States Court of Appeals for the District of Columbia Circuit, will succeed Roger W. Ferguson Jr. '73, A.M. '78, J.D. '79, Ph.D. '81. Fudge, the former chair and CEO of Young & Rubicam Brands, will succeed Pauline Yu '71. Garland and Fudge will assume their new roles following Commencement and complete the final year of their Overseer terms in 2009-10.

"Our Overseers bring to Harvard an extraordinary mix of accomplishment, diverse experience, critical perspective, and deep concern for the University's well-being and constant improvement," said President Drew Faust. "Merrick Garland and Ann Fudge embody all those qualities and more, and I very much look forward to working even more closely with them as they prepare to take up responsibility for leading the Overseers next academic year."

Garland has served since 1997 on the Court of Appeals Circuit, often considered the nation's most influential appeals court other than the U.S. Supreme Court. From 1994 to 1997, he was principal associate deputy attorney general of the United States. In that role, his duties included supervision of such high-profile prosecutions as the Oklahoma City bombing case and the Unabomber case. In 1997, he received the U.S. Department of Justice's Edmund J.



Fudge



Garland

Randolph Award for Outstanding Service.

"The financial world has changed dramatically and unexpectedly this past year, but Harvard's fundamental commitment to the best possible education and scholarship has not," Garland said. "All of us on the board are determined to help Harvard navigate through these uncertain times and emerge stronger and even better able to serve our students and the larger society."

Born and raised in the Chicago area, Garland graduated from Harvard College, *summa cum laude*, with a social studies concentration in 1974. In 1977 he graduated from Harvard Law School, *magna cum laude*. He then served as law clerk to Judge Henry J. Friendly of the U.S. Court of Appeals for the 2nd Circuit and to U.S. Supreme Court Justice William J. Brennan Jr. After serving as special assistant to the attorney general of the United States from 1979 to 1981, he joined the law firm of Arnold & Porter, where he was a partner from 1985 to 1989 and from 1992 to 1993. He served as an assistant U.S. attorney for the District of Columbia from 1989 to 1992, and as deputy assistant attorney general in the Criminal Division of the U.S. Department of Justice from 1993 to 1994.

A member of Harvard's Board of Overseers since 2003, Garland has served on the board's executive committee since 2007. An active member of the Committee to Visit the College since 2006, he has maintained a keen interest in undergraduate education since serving as a freshman proctor and as a

resident tutor in Quincy House.

Ann Fudge served from 2003 to 2007 as chairman and CEO of Young and Rubicam Brands, where she was also chair and CEO of its largest division, Y&R Advertising. She previously served as president of the Beverages, Desserts & Post Division of Kraft Foods, where she led the \$5 billion division's best-known brands and also served on the Kraft Foods management committee. Earlier, she spent nine years with General Mills Inc.

As a Harvard Overseer, Fudge is a member of the board's executive committee, chair of the standing committee on Schools, the College and Continuing Education, and a member of the standing committee on humanities and arts. For many years she was on the visiting committee to Harvard Business School, and she is now a member on the Committee to Visit the Harvard Kennedy School.

A member of the Committee of 200, she serves on the boards of the Brookings Institution, Morehouse College, the Council of Foreign Relations, and the Rockefeller Foundation, in addition to several corporate boards. For nearly 30 years she has been a member of the board of the Boys and Girls Clubs of America. She also has served on the boards of the New York Philharmonic, the Federal Reserve Bank of New York, and Big Brothers Big Sisters. She chairs the U.S. Programs Advisory Panel for the Gates Foundation. Her many honors include five honorary doctorates and recognition by *Fortune* magazine as one of the 50 most influential women in American business.

Born and raised in Washington, D.C., Fudge graduated from Simmons College with honors in 1973 and received her M.B.A. from Harvard Business School in 1977. She lives in Chestnut Hill, Mass. with her husband, Rich Fudge, Ed.M. '73. They have two sons and four grandchildren.

For more information about the elections, see [www.harvard.edu/alumni/elections.php](http://www.harvard.edu/alumni/elections.php).

## Australia

(Continued from previous page)

The presentations were organized thematically by topic, such as "Initial Colonization," "Adaptation," and "Art, Identity and Society." Each topic featured an American and an Australian.

Presentations ranged from the extinction of megafauna — giant birds, mammals and reptiles — to the adoption of agriculture and the cultures and rituals of these early peoples. June Ross of the University of New England spoke on how different rock art traditions showcase the diversity of the region, which is home to more than 1,200 languages.

The symposium also included discussions about what these areas looked like before the arrival of *Homo sapiens*. Mike Morwood of the University of Wollongong described the faunal diversity of southeastern Asian islands hundreds of thousands of years ago, including evidence of tiny early humans, popularly called "hobbits," whom he and his colleagues discovered in 2003.

According to Davidson, a key similarity between the colonization of the continents was the cognitive ability necessary for early humans to journey into these new worlds.

In Australia, this included the ability to build boats and cross the ocean from southern Asia. Jane Balme, of the University of Western Australia, presented on the role of maritime watercraft in colonization, particularly for fishing, which was made possible by the use of nets.



**Iain Davidson: 'Genetics can tell us when people arrived on these continents. However, they can't tell us as much about what people did once they arrived, whether they did agriculture or not, or about their social choices and organization. And they can't tell us anything at all about art, or about ritual.'**

Likewise, to cross into America from northeast Asia, housing, clothing, and storage were needed to survive harsh northern temperatures.

"For a long time I have been playing with the idea that the cognitive abilities that you need to build a boat, go fishing, and perhaps cross to the other side of the ocean... are perhaps very similar to the cognitive abilities that you need [to be able to do] to survive in the very cold environments of the north, which you need to get across to the Americas," says Davidson. "That for me was the breakthrough, that here is a similar cogni-

tive process."

Questions about the timeline for the colonization of the continents were addressed through archaeological evidence, such as stone tools, and genetic data.

"Genetics can tell us when people arrived on these continents," says Davidson. "However, they can't tell us as much about what people did once they arrived, whether they did agriculture or not, or about their social choices and organization. And they can't tell us anything at all about art, or about ritual."

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## SPORTS WRAP-UP

### Men's Baseball (10-26; 8-8 league)

L, L Brown (4/18)	1-3, 5-8
L, L Brown (4/19)	1-3, 1-8

\*Does not include results of April 22 game vs. B.C.

### Men's Heavyweight Crew

W Navy (Haines Cup)

### Men's Lightweight Crew

MIT/Princeton (Compton Cup) 1/3

### Women's Heavyweight Crew

W/W Syracuse/Dartmouth (O'Leary Cup)

### Women's Lightweight Crew

L Stanford

### Men's Golf

Caves Valley Intercollegiate 1/8

### Women's Golf

RoarEE Invitational 2/10

### Men's Lacrosse (6-5; 1-3 league)

L Brown	6-8
W Princeton	11-4

### Women's Lacrosse (4-10; 1-5 league)

L at Dartmouth	5-17
L Columbia	10-11

### Coed Sailing

New England Dinghy Championship	7/18
Oberg Trophy	12/18
Women's Wick and Shrew Trophies	4/17

### Softball (24-14; 10-6 league)

L Boston College	6-7
W, L Brown (4/18)	9-6, 5-11
W, W Brown (4/19)	11-0, 12-2

### Men's Tennis (12-9; 4-2 league)

W Brown	5-2
W at Yale	5-2

\*Does not include results of April 22 match vs. Dartmouth

### Women's Tennis (12-8; 5-1 league)

W at Brown	4-3
W Yale	5-2

### Track and Field

(M) L Yale 54-105, (W) W Yale 101-61

### Men's Volleyball (11-7; 6-2 league)

W Rutgers-Newark 0-3

### Women's Water Polo (9-12, 2-4 league)

L Hartwick	8-12
L Brown	7-8
W Connecticut College	18-4
W Utica	20-2

## UPCOMING SCHEDULE

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

#### Thursday, April 23

T&F	Drake Relays	all day
Softball	<b>Holy Cross</b>	4 p.m.

#### Friday, April 24

M Golf	Ivy League Championships	TBA
W Golf	Ivy League Championships	TBA
W Water Polo	Eastern Champs.: Hartwick	noon

#### Saturday, April 25

Baseball	Brown (DH)	noon
WHCrew	<b>USC/Virginia</b>	5 p.m.
WLCrew	<b>Princeton (Class of 1999 Cup)</b>	7 a.m.
M Golf	Ivy League Championships	TBA
W Golf	Ivy League Championships	TBA
M Lacrosse	<b>Yale</b>	1 p.m.
W Lacrosse	Cornell	1 p.m.
W Water Polo	Eastern Championships	TBA

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

# Crimson undaunted by Crusaders, top Holy Cross, 11-4

By Gervis A. Menzies Jr.  
Harvard News Office

Disappointment struck men's lacrosse after they dropped their midweek tilt against No. 14 Brown on April 15, which may dampen the team's chance to make their first NCAA tournament appearance since 1996. So, when the No. 17 Crimson came out flat on Saturday (April 18) against a struggling 3-10 Holy Cross team, the Harvard men found themselves pressed to find some sort of inspiration.

After 30 minutes of play, the Crimson's humble 2-1 first-period lead was increased by one more goal before halftime. This, compliments of Holy Cross netminder Jimmy Harrison who — despite facing 19 Crimson shots — allowed only three to rattle the net. Harrison ended the first half with eight saves, and, despite being down a couple of goals, the Holy Cross Crusaders entered the

second half with a bit of confidence, while the Crimson stood in need of a little encouragement.

In his halftime speech, along with offering strategic adjustments, second-year head coach John Tillman challenged his team to dig deep in the second half. "Honestly, I said, 'It's not about talk right now, it's about getting it done. It's about someone stepping up on each end of the field, being a better leader, and doing what we do better. But no more talk, it's about action.'"

The Crimson came out with a response via the stick of freshman Jeff Cohen who opened the half with his second and third goals of the game. And despite two goals by the Crusaders to cut the lead to 5-3, the Crimson tallied four consecutive goals (including two more by Cohen), that quieted the Holy Cross attack and allowed the Crimson to put on cruise control and take their sixth win of the season.

"I thought we came out a little bit flat,"

commented junior attackman Travis Burr. "We weren't too happy with how we started, but we've come off a couple tough losses and everyone was pretty worn out from the last three games, but as we came down, everyone kind of pulled together and we got it done." Burr was instrumental in the Crimson's success, tallying two goals early and adding an assist to help lead his team to victory.

"Travis Burr has, through the last couple of games, emerged as one of our leaders," said Tillman, "especially on the offensive end, and it showed today. ... The last few days, where other guys may have been a little bit disappointed, his energy has increased and his leadership has increased, and it didn't surprise me today that he played well. Not only did he play well, he made the other guys around him play well and that's a credit to Travis."

Cohen, who finished the day with six goals and the best single-game performance by a Harvard player since his brother Steve in 2007, now appears to be a favorite for the

Ivy Rookie of the Year award. The freshman leads the Crimson in goals and points, is fourth in the Ivy League in scoring, and was named Ivy Rookie of the Week on Monday (April 20) for the second time. Only one other Ivy Player has been honored twice (Tyler Fiorito, Princeton).

The No. 17-ranked Crimson, standing at 6-5 (1-3 Ivy League), have just two more games left on their schedule as they look to complete the season with their best record since 1998. And although the Crimson's loss to Brown may put a damper on the team's postseason aspirations, the talent on Harvard's young roster appears to be ready to make an NCAA push next season.

"Our seniors have never had a winning record so I think that's going to be a big goal for us," said Cohen. "And also we have two Ivy League opponents, Yale and Dartmouth, obviously rivals; it would be good for our seniors to get those wins and [for the team to] get momentum going into next year."



Justin Ide/Harvard News Office

Freshman Jeff Cohen, who was named Ivy Rookie of the Week on Monday (April 20), scored six times in the Crimson's non-conference finale against Holy Cross. Harvard rolled to an 11-4 victory, improving to 6-5 on the season.

## SPORTS BRIEFS

### Men's volleyball fall to Rutgers-Newark, split Hay title

Despite downing the Scarlet Raiders at Malkin Athletic Center in five games a month before, the Crimson were unable to stop the powerful Rutgers-Newark attack (which hit a combined .337) in a three-game sweep of Harvard on Friday (April 17), snapping the Crimson's five-game winning streak. For the Raiders, the win earned them a share of the EIVA Hay Division title with the Crimson as well as the No. 7 seed in the upcoming EIVA Conference Championship (April 22-May 2), while Harvard received the tournament's No. 8 seed.

### Women's heavyweights retain O'Leary Cup

On Saturday (April 18), Radcliffe's heavyweight crew defeated Dartmouth and Syracuse on Onondaga Lake to hold on to the Elizabeth O'Leary Cup, with wins in the second varsity eight, varsity four B, and varsity eight races. This year's victory marks the seventh win for the Black and White in the 10-year history of the event.

The Black and White return home next weekend for the Charles River Challenge. The team will race three different times, starting Saturday morning (April 25) against No. 1 Yale.

### Women's softball inch closer to North Division title

This past weekend, the Harvard women's softball team, led by Jennifer Francis '10 and Bailey Vertovez '09, traveled to Providence, R.I., to take three of four games from the Brown Bears. At the plate, Francis went 9 for 13 on the weekend, while Bailey went 8 for 11. The two also had five RBI apiece, helping the Crimson to their fifth win in seven games. For her weekend play, Vertovez was named Ivy Player of the Week, and the award marks the first time a Crimson player has received the honor this season.

After a Thursday (April 23) doublehead-

er against Holy Cross, the Crimson will close out their Ivy League schedule with a doubleheader against Dartmouth in Hanover on Saturday (April 25) followed by a Sunday (April 26) doubleheader at home. Currently, the Crimson sit a game behind Dartmouth for the North Division's best record. If the Crimson can manage to take three out of four from the Big Green, Harvard will win its third straight North Division title, and the stage will be set for the Ivy League's best-of-three-championship series May 2-3.

## NEWSMAKERS

### Chylack, Dowling ARVO Fellows

The Association for Research in Vision and Ophthalmology (ARVO) has named Harvard Professor of Ophthalmology **Leo T. Chylack Jr.**, and Gordon and Lura Gund Professor of Neurosciences **John E. Dowling** as 2009 fellows. Chylack and Dowling will receive their fellowships in May at the annual ARVO meeting in Fort Lauderdale, Fla.

Both have been named distinguished Gold Fellows, the highest-ranking fellowship, determined by a rigorous point system. Fellows are recognized for their accomplishments, leadership, and contributions to ARVO.

As fellows, Chylack and Dowling will continue to serve as role models and mentors for individuals pursuing careers in vision and ophthalmology research and to further ARVO's vision "to facilitate the advancement of vision research and the prevention and cure of disorders of the visual system worldwide." This includes advancing basic and clinical knowledge and serving as the leading international forum for vision research and the primary advocate for vision science worldwide.

### Seniors Buzney, Barron win Mellinger Award

Harvard-Radcliffe Orchestra (HRO) members **Catherine Buzney '09** and **Christine Barron '09** have been named recipients of the Rachel Mellinger Memorial Award.

Established by James Schlesinger A.B. '50, A.M. '52, Ph.D. '56, the award recognizes outstanding undergraduates who have made significant contributions to the orchestra and have demonstrated leadership abilities and dedication to the highest ideals of the group. The award also recognizes the future potential of the recipients while helping to advance their interests and endeavors.

The award honors Rachel Mellinger Schlesinger, a 1952 graduate of Radcliffe and violinist in the HRO.

### Two Harvard freshmen recognized by Discover Magazine

Harvard College freshmen **Anastasia Roda** and **Isha Jain** have recently been featured in Discover Magazine's "Teen Genius: 5 Promising Scientists Under 20," which highlights outstanding young scientists who tackle some of the biggest challenges in science.

Roda was recognized for her research on the environmental impact that the oldest nuclear power plant in the United States has on surrounding creeks. Roda found that the creeks closest to the Oyster Creek Generating Station (near the New Jersey shore) maintained higher temperatures and faster currents, and that the water further downstream had higher bacteria levels. Roda then worked to raise awareness about her findings to the public and to engineers who design nuclear power facilities. The Lancaster, Pa., native plans to focus on environmental studies and marine biology.

Jain investigated limb growth by using a number of techniques — including fluorescent microscopy — to look at how bone grows in zebra fish fins. Her findings may play a role in healing bone injuries and treating bone disease. Jain's work was recognized with a \$100,000 scholarship at the 2007-08 Siemens competition, and her results were published in the journal *Developmental Dynamics*. A native of Bethlehem, Pa., Jain plans to attend medical school.

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

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## Tiktaalik



Photo by Tony Rinaldo

The HMNH is sponsoring this year's Evolution Matters lecture series, at which Neil Shubin talked about 'Finding Your Inner Fish.'

(Continued from page 1)

Looking into what little had been written about the area, Shubin discovered a 1974 paper that compared the rock formations there with those he was familiar with. Shubin contacted his doctoral adviser, Farish Jenkins, the Agassiz Professor of Zoology at Harvard, who had previously worked in the Arctic. The following summer, Shubin, Jenkins, and colleagues were in the Arctic, hiking over bare rock formations under a sun that never set.

Shubin told the story of Tiktaalik's discovery, which drew international attention when it was announced in 2006, before a packed audience in the Geological Lecture Hall. His talk, "Finding Your Inner Fish," was the last in this year's Evolution Matters lecture series, sponsored by the Harvard Museum of Natural History (HMNH). The event also marked the opening of a new permanent exhibit at HMNH on evolution, complete with a model of Tiktaalik.

It took several seasons of challenging fieldwork before Shubin's team found what they were looking for. The amount of gear they could carry in and the amount of fossils they could carry out was limited by the small planes and helicopters they used to reach their research sites. They lived in tents on bare, wind-swept tundra, kept firearms nearby in case polar bears threatened them, and spent their days walking and looking for telltale trails of fossilized bones washing out of rock layers nearby.

They eventually found an area in southern Ellesmere Island where the washed-out bones were abundant. Though they had some difficulty tracking the bones back to the original rock outcropping, they eventually found it and, after extensive digging, unearthed three specimens ranging in length from 4 feet to 9 feet.

That was just the beginning of the discovery. The specimens were brought back from the Arctic still largely encased in rock. Preparers had to painstakingly remove the rock from the fossilized bone, bit by bit to avoid damaging the fossil, before Shubin and his team could see the creature.

The result was Tiktaalik — an Inuit word meaning "large fish" — a creature that had both fishlike and land animal features. It had fishlike scales, fins, and gills, but also had lungs and robust front fins with a wristlike bony structure sim-

### Related story: Missing link crawls out of muck,

[www.news.harvard.edu/gazette/2006/04.06/09-missinglink.html](http://www.news.harvard.edu/gazette/2006/04.06/09-missinglink.html)

ilar to that which would be found in early land animals. Unlike a fish, its head was not connected to its torso, giving it a neck. It had a long, flat head with eyes on top, and ribs like the earliest tetrapods.

Shubin said it is unlikely Tiktaalik walked on its front fins, but the creature could support its weight in a push-up-like motion. It lived in shallow freshwater streams and could have lived on the bottom or in the shallow areas close to the surface.

Tiktaalik lived 12 million years before the first land animals but represents the missing intermediate step between them and fish. Those first land animals left an aquatic environment teeming with predators for a land environment that had been colonized by plants and invertebrates millions of years earlier.

Shubin said the first land animals would eventually evolve into dinosaurs, reptiles, birds, and mammals, including humans. Even so far into the distant past, traits we share today, such as a neck and articulated wrist, were present in these early creatures, that perhaps peered from the water out to a plant-covered landscape. And even earlier, in fish, bones and structures evolved that, modified over long stretches of time, are still part of us today. That's why, he said, some of the most important discoveries about basic human anatomy in recent years result from work on model organisms such as worms, yeast, and sea slugs.

"I cannot imagine a more powerful connection to the rest of life on the planet than that," Shubin said.

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## IN BRIEF

### LGBT conference on 'Politics, Policy and Progress' at HKS

On Friday (April 24) the Harvard Kennedy School (HKS) will host a conference titled "Politics, Policy, and Progress: Gay Rights as Human Rights." Among the many guests in attendance will be Lance Black, the Oscar award-winning screenwriter for "Milk." The event, beginning at 12:30 p.m., will take place at the Kennedy School, with panels in Littauer 130, Bell Hall, Starr Auditorium, and the JFK Jr. Forum.

For a complete schedule of the event, visit [www.hks.harvard.edu/news-events/events-calendar/politics-policy-and-progress-gay-rights-as-human-rights](http://www.hks.harvard.edu/news-events/events-calendar/politics-policy-and-progress-gay-rights-as-human-rights).

### Handel's 'Saul' to be performed in memory of John Raymond Ferris

The Harvard University Choir and the Harvard Baroque Chamber Orchestra will present Handel's magnificent oratorio "Saul" on April 26. The performance is dedicated to the memory of John Raymond Ferris, University organist and choirmaster from 1958-1990, who passed away last summer.

The oratorio focuses on the first king of Israel's relationship with his eventual successor, David, as described in the First Book of Samuel. The work features majestic orchestration, dramatic choruses, and vivid characterization — it is considered one of Handel's finest creations.

A distinguished roster of professional soloists will join the choir and orchestra for the performance, which is also a commemoration of the 250th anniversary of Handel's death.

The performance takes place at the Memorial Church at 4 p.m. Tickets can be purchased at the Harvard Box Office, (617) 496-2222, [www.boxoffice.harvard.edu](http://www.boxoffice.harvard.edu).

### Despite economy, Daffodil Days still comes up roses

With good news comes the bad news. This year's Daffodil Days, held on March 16, raised \$51,726 in funds for the American Cancer Society — the first time in its 22-year history that this year's total did not surpass the previous year's total (\$53,329). However, with the economic downturn taken into consideration, "I still think we did fabulously," said Daffodil Days coordinator Julie Russell.

Harvard sold 2,320 bouquets; 93 Bear and a Bunches; 524 potted bulbs; and 456 Gifts of Hope. Top sellers this year included Peter Conlin and the Alumni Affairs and Development team who collected \$6,430; Maura Kelley at the Law School who sold \$2,810; and Martha Foley from the Kennedy School with \$2,305.

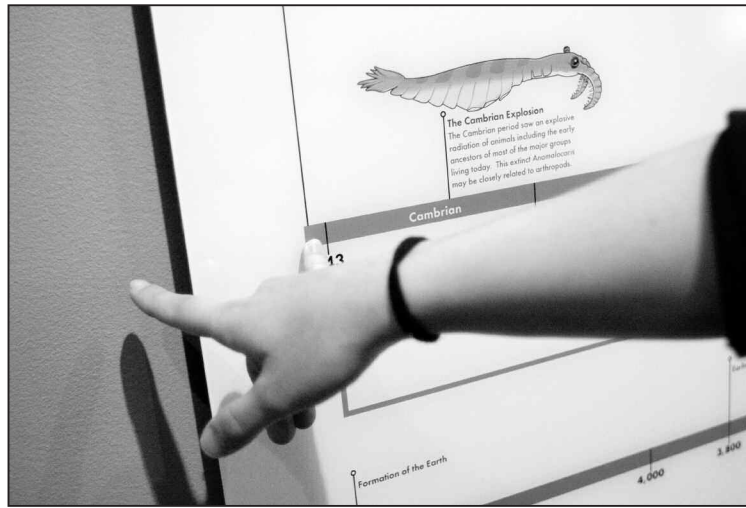
Also notable is Rita Corkery, a retired Harvard staff member who donates from her home in Arlington, Mass. A breast cancer survivor, Corkery founded Daffodil Days out of her office 22 years ago.

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

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# Lighting fuse for Cambrian Explosion

*Pre-Cambrian microfossils may be early animals*



Photos Kris Shilbe/Harvard News Office

**Work led by Phoebe Cohen, a doctoral student in the lab of Andrew Knoll, offers a reinterpretation of microfossils from the time just before the Cambrian Explosion.**

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

Harvard paleontologists have shed new light on one of the most enduring mysteries of life on Earth: the origins of the creatures that suddenly appear in the fossil record 530 million years ago in an event known as the Cambrian Explosion.

In work that led to Australia and back, researchers believe that microfossils previously thought to be algae may actually be a specialized type of egg case, laid by an animal precursor for that explosion of life.

**paleontology** The Cambrian Explosion was a watershed in the Earth's biological history. Over a relatively brief span of geologic time, large-bodied, hard-shelled animals appear in the fossil record for the first time. The event is also known for the diversity of life it spawned, including almost all phyla of animals alive today. Phyla are broad classifications of life, such as Chordata (or vertebrates), which includes mammals, reptiles, and birds.

Scientists have long puzzled over the sudden appearance of these complex creatures because they must have evolved from precursors that appear to be missing from the pre-Cambrian fossil record.

Work led by Phoebe Cohen, a doctoral student in the lab of Andrew Knoll, Fisher Professor of Natural History and professor of Earth and planetary sciences, offers a reinterpretation of microfossils from the time just before the Cambrian, in the Edi-

acaran Period, which may solve the mystery. Published in the Proceedings of the National Academy of Sciences earlier this month, the work also included Knoll and Robin Kodner of the University of Washington.

"Phoebe's work takes a previously enigmatic group of fossils and relates them directly to two major themes of Earth history: the emergence of animals and the expansion of oxygen-rich water masses in the oceans," Knoll said.

Scientists have long known that pre-Cambrian rocks hold an abundance of unusual, microscopic fossils with hard shells, spines, hairs, and other protrusions. It has been thought that the fossils were merely different kinds of algae, known to be abundant in the pre-Cambrian seas and too different from animals to be the source of a sudden profusion of animal life.

"They were interpreted as an algal radiation, but they look like no known modern algae today," Cohen said.

After examining hundreds of samples of these fossils, called acritarchs, and comparing them with both algae and the eggs of modern and fossil crustaceans — a group that includes shrimp — Cohen has come to a different conclusion. Rather than being algae, they most closely resemble a specialized egg created by modern crustaceans — called a resting stage — that is able to lie dormant for years waiting for favorable conditions before hatching.

If that is the case, the creatures that created those microfossil eggs would be tiny,

but complex animal life, a potential precursor for the rapid diversification that followed.

The events occur at a time when the Earth's atmosphere was growing richer in oxygen, which may have opened the door to larger-bodied creatures. Those first animals, Cohen said, may have predated the time of the Cambrian Explosion itself but be absent from the fossil record because their soft tissues weren't preserved. Only later, when hard parts evolved, would they appear relatively suddenly as fossils.

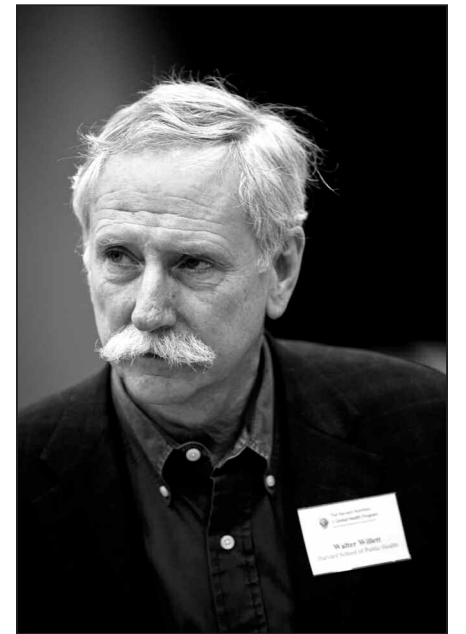
Cohen had done some previous work with acritarchs, but had accepted the prevailing algae explanation until four years ago, when Knoll gave her a paper by marine biologists about recently discovered marine fossils of the resting eggs of small marine crustaceans called copepods. Intrigued, she began looking for more animal eggs to compare with the pre-Cambrian acritarchs.

"The more I found, the more I realized they look astonishingly similar to these Ediacaran fossils," Cohen said.

After comparing their size, shape, and ornamentation, Cohen went further, examining their internal structure, finding that the pre-Cambrian microfossils more closely resembled the resting-stage egg of tiny animals than they do algae.

"Many invertebrate groups make resting stages similar to these Ediacaran fossils, and in a way that no other modern creature does," Cohen said.

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Justin Ide/Harvard News Office

**Walter Willett, chair of HSPH's Nutrition Department: 'At this time about two-thirds of [American] adults are either overweight or obese. This is critical; the house is on fire.'**

## Harvard nutritionists take aim at sugary drinks

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

Comparing the nation's obesity epidemic to a house on fire, Harvard nutrition experts took aim at sugar-sweetened beverages Monday (April 20), recommending the creation of a new, low-sugar alternative and urging adults and children alike to quench their thirsts the natural way — with water.

Walter Willett, chair of the Harvard School of Public Health's Nutrition Department, and Lilian Cheung, who directs

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the department's Nutrition Source Web site, said Americans are getting fat because they're eating more, consuming about 300 calories a day more today than they did 30 years ago.

About half of that comes from soda, fruit juice, and other sugary drinks.

"We are in the midst of an obesity epidemic. The rates of obesity in children have increased three- to fourfold during the last 30 years. At this time about two-thirds of the adults are either overweight or obese," Willett said. "This is critical, the house is on fire, because we know there are huge adverse health consequences of overweight and obesity."

The negative health effects of obesity are well known, with links to diabetes, heart attack, stroke, cancer, high blood pressure, liver disease, and osteoarthritis, according to the Centers for Disease Control and Prevention. A study by HSPH researchers published in April showed that women who drank more than two servings of sweetened beverages a day had an almost 40 percent higher risk of heart disease than women who rarely drank them. The obesity epidemic, Willett said, could undo the gains in health and life expectancy made over recent decades.

*(See **Beverages**, next page)*



Jaime Sepulveda (left) of the Bill and Melinda Gates Foundation and HSPH's Wafaie Fawzi are concerned both about malnutrition and the new challenges of obesity and diabetes around the world.

# Malnutrition, obesity present global food challenges

## HIGH symposium examines unfinished nutrition agenda

By Alvin Powell  
Harvard News Office

Even as public health officials deal with the age-old problems of starvation and malnutrition, new nutritional maladies linked to Western diets and lifestyles are spreading around the world, complicating the global nutrition picture.

Experts say the expansion of obesity and diabetes around the world is presenting international health experts with a new agenda even as they struggle with the unfinished agenda of malnutrition, which remains a global health problem that underlies 54 percent of childhood deaths each year.

The abandonment of traditional diets filled with **global health** fruits, vegetables, and whole grains in favor of diets with processed foods and simple carbohydrates is taking hold even among the middle class of the world's poorest nations, according to speakers at the Harvard School of Public Health (HSPH) on April 15.

The speakers were part of a symposium on global nutrition called "The Unfinished Agenda of Nutrition & Global Health: Challenges and Opportunities." The event was sponsored by the Harvard Nutrition and Global Health Program at the Harvard Initiative for Global Health (HIGH).

Professor of Nutrition and Epidemiology Wafaie Fawzi said the Harvard Nutrition and Global Health Program is designed to draw on the expertise of Harvard's various Schools and on that of local partners to understand the nutritional challenges around the world.

Speakers at the event came from as far away as India and Brazil and presented local views of the ongoing problems in their countries.

HSPH Dean Julio Frenk, who delivered opening remarks, said that some developing nations are not simply lagging behind Western nations on the path to development, but are instead off course. Such "mal-development," as he termed it, is due to mismanagement and has some nations dealing with the problems of both mal-



Keynote speaker Sepulveda said that worldwide progress against malnutrition is very slow.

nutrition and obesity at the same time, coupled with the fight against infectious disease and new threats like the health effects of global warming.

"Many low- and middle-income countries are the victim of mal-development," Frenk said. "The old and the

new problems coexist in a complex present."

Though the problems are challenging, Frenk said that modern science has given public health workers and administrators more knowledge and tools to address them than ever before.

The event's keynote speaker, Jaime Sepulveda, director of the Bill and Melinda Gates Foundation's Integrated Health Solutions Development Program and former director of Mexico's National Institutes of Health, said slow progress against malnutrition is common around the world. Though the first United Nations Millennium Development Goal would halve the number of people living in extreme poverty and hunger by 2015, just a handful of nations are on track to achieve that goal, Sepulveda said. Some are even backsliding from where they were in 2000 when the goals were adopted.

Sepulveda outlined the progress that Mexico has made in recent decades, where the incidence of stunting — one measure of malnutrition — decreased dramatically in recent years. He credited Mexico's "Progresar" program with focusing nutritional dollars where they're needed most — in the rural south. One feature of the program is conditional cash transfers, which are payments to families of low socioeconomic status. The program is designed so that the payments go to women on the condition that their children are kept in school, vaccinated, and healthy. The program also provides fortified foods for pregnant women and children to improve health during the critical first months of a child's life, up to age 2.

Despite the progress made under the program, Sepulveda said it will take Mexico 22 years at current rates of progress to attain the first Millennium Development Goal, so more needs to be done.

"Nutrition has no champion, no Global Fund," Sepulveda said. "We need to raise the visibility of nutrition as a field and of undernutrition as a problem."

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## Beverages

(Continued from previous page)

"This is a very serious problem; we really have to take this on directly," Willett said.

Though Willett and Cheung said water is the best beverage option, they said Americans might need to be weaned from their super-sugary tastes. After a survey of current beverages on the market, they found very few available that have a low level of sugar. They proposed the creation by manufacturers of a new class of slightly sweetened beverages having no more than 1 gram of sugar per ounce — about 70 percent less than most soft drinks today — and that do not rely on artificial sweeteners.

Willett said the typical 12 ounce can of soda has 10 teaspoons of sugar, while the common 20 ounce size contains 17 teaspoons of sugar.

"If you could imagine gulping down 17 teaspoons of sugar, it makes you want to gag," Willett said.

Willett and Cheung also called for a society-wide effort to reduce the consumption of these drinks, recommending that the government force companies to list the total number of calories per can — rather than per serving — on a container of soda or other beverage and levy sales taxes on the beverages. They said that schools and workplaces should offer healthy beverage choices, in smaller serving sizes, and make sure water is available. They also called on individuals to make healthier choices at home and on family food shoppers to cross soda and fruit drinks off their shopping list.

Cheung said that the key to such an effort will be for Americans to retrain their palates away from sugary drinks and toward healthier alternatives. That may take some doing, since four out of five children and two out of three adults consume the drinks daily, while a typical teen boy drinks more than a quart of sugary drinks a day.

Cheung and Willett didn't recommend replacing sugary drinks with artificially sweetened ones, saying those substitutes have been on the market for years and have had no impact on the obesity crisis, probably because they don't force us to retrain our palates.

**For more information on HSPH Nutrition Source,**  
[www.hsph.harvard.edu/nutritionsource/](http://www.hsph.harvard.edu/nutritionsource/)

"We as individuals ought to drink more water. Water is free and it has no calories," Cheung said.

The Harvard School of Public Health's Nutrition Department has added information on sweetened beverages and new recommendations on beverages to its Nutrition Source Web site to help consumers make healthy choices.

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## Rules Governing the Development and Distribution of New Medicines

Under the TRIPS agreement – part of the WTO Treaty – inventors of new medicines must be granted 20-year product patents in all WTO member states. TRIPS was added to the WTO Treaty through pressure from the Clinton Administration which, in turn, was pressured by the IP-heavy industries: software, entertainment, pharmaceutical, agribusiness.



Photos Jon Chase/Harvard News Office

Thomas Pogge, Ph.D. '83, of Yale University set forth his proposal for what he calls a Health Impact Fund (HIF). It's meant to do nothing less than revolutionize the way medicines are provided to the global poor.

# 'What Just Happened? What's Next?'

*An interdisciplinary examination of the current economic crisis*

By Ruth Walker

Special to the Harvard News Office

You might think of the little bits of good news that came out last week as the macro-economic equivalent of the first crocuses of spring. There was the heartening word that initial jobless claims are slowing. The stock market continues its modest rebound. And some analysts are cautiously suggesting that there might be economic growth again before 2009 is out.

But over at Two Arrow Street, participants in a daylong conference offered April 15 by the Weatherhead Center's Project on Justice, Welfare, and Economics were looking at the economy through a much longer lens. The conference was called "What Just Happened? What's Next?" and its subtitle was "An Interdisciplinary Examination of Our Current Economic Crisis."

In a presentation titled "The Crisis as an Opportunity for Structural Change," Thomas Pogge, Ph.D. '83, of Yale University set forth his proposal for what he calls a Health Impact Fund (HIF). It's meant to do nothing less than revolutionize the way medicines are provided to the global poor.

The fund, he explained, would reconfigure financial incentives for drugmakers. The current system rewards them for selling lifetime "maintenance" drugs to rich Westerners, rather than curative or even preventive medications to fight the diseases of the developing world. But Pogge's fund "promises to reward ... any new medicine on the basis of its global health impact."

Under Pogge's proposal, worked out with University of Calgary economist Aidan Hollis, affluent nations would chip in a share of their gross national income to support the fund. He suggested that a 0.01 percent contribution would yield about \$6 billion a year, which should be a large enough pool to start the program. Each year's pool would be divided up among the

manufacturers whose drugs were listed at any given time. He foresees about 20 drugs on the list at a time.

"It's registered and you get health impact rewards," Pogge said. "You don't give up any intellectual property rights." A pharmaceutical manufacturer would, however, give up the right to a profit on the sales price. Under the Pogge/Hollis proposal, "the registrant must agree to make the new medicine available wherever it is needed at the lowest feasible cost of manufacture."

The reward is for contributing to public health, not for selling pills, in other words. "Perverse incentives" is a phrase on the lips of many analysts of the current financial crisis: Too many actors have been rewarded for taking risks but not punished for poor performance.

But Pogge made the case that the current system of compensating drugmakers has its own perversities as well. He explained that under the current system of international commerce, a country joining the World Trade Organization must sign on to a package of accords including the so-called Trips Agreement, which covers trade-related aspects of intellectual property rights.

This agreement obliges signatories to grant 20-year product patents for, among other things, drugs. This locks countries into the high-markup business model for medicine, and that, in turn makes it hard if not impossible to make drugs available at low cost.

The current system provides incentives for counterfeiting, Pogge said. In the pharmaceutical world, this means making knockoffs with just enough of the active ingredient to pass for the real thing but not enough to be medically effective. Instead,

these underpowered fakes help create drug-resistant strains of diseases.

And by making it profitable for drugmakers to serve the poor, the Health Impact Fund would also protect against diseases such as Severe Acute Respiratory Syndrome (SARS) that fester largely untreated in the developing world for years and then burst suddenly onto the scene in the developed world. SARS apparently originated in China and spread to 37 countries, infecting thousands and killing nearly 800 during a near pandemic from November 2002 and July 2003. It could have been much worse, Pogge suggested. "We were lucky with SARS," he said.

One challenge to the Health Impact Fund concept was raised in a question from the floor posed by Norman Daniels, Mary B. Saltonstall Professor of Population Ethics and Professor of Ethics and Population Health at the Harvard School of Public Health, who told Pogge, "A presupposition of your scheme is that we know how to measure the contribution of a specific drug. I'm not sure we do." He went on to say that many drugs are delivered in systems, which themselves make a contribution to patient health.

Nonetheless, Pogge ticked off the advantage of the Health Impact Fund as a "focal point of structural reform":

It isn't driven only by concern for the poor – it helps benefit the pharmaceutical industry, too.

It's scalable: The fund could be increased or adjusted in light of experience. And manufacturers could decide to transfer some drugs from the patent track to the fund track depending on whom they benefit.

The fund "strengthens those with objective interest in reform" and thus leads to "the empowerment of global poor."

It is an exemplar of realistic moral leadership, genuine moralization, and global public good.

It would lead, he suggested, to "a reduction in global public evil."

## Interdisciplinary program on leadership hosts a host of fellows

By Colleen Walsh  
Harvard News Office

Susan Leal intends to use her public sector expertise to address issues of water management and climate change. Former astronaut Charles F. Bolden Jr. is passionate about health care. Robert Whelan will likely turn his business acumen toward education.

The three retired professionals are back in school as part of a new University-wide, interfaculty pilot project aimed at providing a rigorous educational program for experienced leaders seeking "encore careers" in public service.

The Advanced Leadership Initiative, a yearlong program hosting 14 fellows from wide-ranging backgrounds, including finance, the military, education, and the law, kicked off in December at Harvard with a three-day orientation. The innovative leadership program is a collaboration between faculty at Harvard's Schools of Business, Government, Law, Education, and Public Health.

The program resembles a variety of different Harvard Schools and programs combined to form a unique curriculum. Participants audit classes from around the University (an activity similar to that of Nieman Fellows), take part in field seminars (modeled after those offered at Harvard Business School), and attend short, intense courses and workshops where the fellows, faculty, and students converge to discuss leadership topics and relevant cases on broad social issues, as well as engage in independent study. At the end of the year, each participant will present a paper outlining his or her plan of attack.

The idea for the program developed from something of an intellectual "perfect storm." As part of a task force addressing Harvard's expansion to Allston in 2003, Rosabeth Moss Kanter and other professors from the University were asked to consider ways of sharing campus space for things like colloquia and conferences.

The notions of shared physical space made the Ernest L. Arbuckle Professor of Leadership and colleagues such as the Kennedy School's David Gergen and the Harvard School of Public Health's Howard Koh consider other common areas of interest across the University's various Schools. Leadership topped the list. Also on Kanter's mind, after discussions with colleagues such as Rakesh Khurana at the Business School, was the current demographic revolution – the growth of an active aging population – and the knowledge that, as Kanter drily commented, "the world has a lot of problems."

"We thought, 'Why can't we imagine a next stage of higher education, a new kind of program for universities that involves the needs of the 21st century for leaders, one that spans sectors and disciplines, and that taps the best people who have reached the top of their professions and can add to their skills to solve societal problems?'" she said.

Creating a new group of leaders to take on global issues like poverty, health, education, and the environment is only part of the equation. The program's founders

(See *Leadership*, next page)

# Strategist behind Obama campaign talks tactics at HKS

By Lindsay Hodges Anderson  
Kennedy School Communications

The architect behind Barack Obama's successful presidential run shared his insights at Harvard Kennedy School on the strategies that propelled a first-term senator to the White House.

Speaking at the John F. Kennedy Jr. Forum on April 15, Obama's campaign manager David Plouffe praised the work of grassroots organizers and volunteers who helped bring new voters to the polls in new and innovative ways. He also spoke frankly of the Clinton campaign's miscalculations — including underestimating the effect that Obama's victory in Iowa would have on the rest of the campaign, and overestimating the impact that the larger states would have in the primary race.

"I think that there was a belief in their campaign that the race would be over on

Feb. 5, which was the day of 22 primaries," said Plouffe, referring to Super Tuesday. "But they really didn't organize in all 22 states. They organized in big states like Massachusetts and Illinois and New Jersey and California, with the belief that it would be more of a political victory than a delegate battle. We treated it differently.

"We treated it as an aggregation of 1,681 delegates in 22 states and if we could come close to even half, we survived. ... [And] we did better than that — we won the day, we won the states and delegates. And that morning of Feb. 6 was the first time I thought we were going to be the Democratic nominee," Plouffe continued.

Although Clinton won 11 delegates from New Jersey, the Obama campaign won smaller states like Idaho — where Obama gained 15 delegates to Clinton's three — which made up for losses in the larger states. Plouffe said the Clinton campaign eventually learned its

lesson and became much more effective campaigners in places like Wyoming.

"They campaigned in [Wyoming]. They organized in it. Hillary went there. Bill went there," Plouffe said. "We still won 58-42, but if we had gotten 62.5 percent of the vote, we would have got an extra delegate. ... The whole tale of the primary is one of margins. We won a lot of landslides; she won less. Landslides are how you aggregate delegates."

Plouffe referred frequently to the critical role that grassroots efforts played in the Obama campaign in engaging an entire new sector of the electorate.

"The point about the caucus states is that if the same people that turned out to caucuses every year turned out, we were going to lose. We had to change the electorate. And I think that's one of the great triumphs of the campaign — we didn't accept things as they were," said Plouffe.

"Minnesota, Colorado, Missouri, Alabama — they were not organized by our staff. They were organized by volunteers, online, organizing their communities. And so when we sent staff into Minnesota, for instance, in September of 2007, the state was already half organized. A remarkable thing. And that happened time and time again."

On whether or not such grassroots efforts can be replicated in future campaigns, Plouffe said it all depends on the candidate and his or her ability to inspire the volunteers.

"I think many of our supporters in the end believed if they spent one less hour helping out, Obama may not win," he said. "This campaign was built on the backs of people who wanted change. ... If people did not think that Obama was authentically interested in their role in his campaign, that our success hinged on their performance, it wouldn't have been the engine that drove our campaign."

## Leadership

(Continued from previous page)

also hope the new effort will become a model for other institutions looking to serve an aging baby boomer population. Another goal is the reciprocal exchange of information: Organizers said they hope fellows will learn from the professors and students they interact with even as the latter benefit from the wealth of information the fellows bring with them.

The collaborative nature of the effort is perhaps its most critical component, said Fernando Reimers, Ford Foundation Professor of International Education and director of the Harvard Graduate School of Education's International Education Policy Program, and one of the program's founding co-chairs.

"The solutions to the most vexing social challenges in the 21st century are not neatly placed within the confines of the most established disciplines, but lie at the boundaries across disciplines and professions," said Reimers. "This presents an opportunity to universities to organize productive collaborations across professional boundaries to study and find solutions to these challenges, whether these are the challenges of improving the quality of education in low-income schools in the U.S. or abroad, or the challenges of improving health or social and economic justice."

The fellows were selected by a subset of the program's 13 core professors. A real desire to engage with a university and a minimum of 20 to 25 years of demonstrated leadership accomplishments, including innovations in their primary field, were essential requirements.

"We are talking about people who are going to be real change agents," said Kanter, who heads the program. "If they haven't shown already that they can influence public opinion, organize something, lead large numbers, lead across borders, then they are not going to be able to tackle problems like poverty in Africa."

Leal, former head of San Francisco's Public Utilities Commission, is amazed at how her interest touches so many Schools at Harvard. Interested in water, wastewater, and the compounding variable of climate change, she has already worked with students in a Business School course on green businesses and conferred with professors from the Kennedy School and an engineering professor in the Faculty of Arts and Sciences.

While so much intellectual capital at



Photos Kris Snibbe/Harvard News Office

**Rosabeth Moss Kanter (right) asked, 'Why can't we imagine a new kind of program for universities that involves the needs of the 21st century for leaders.' Robert Whelan (left) is now a fellow in the program that helped to address Kanter's question.**

arm's length is inspiring, it can also be a little overwhelming, Leal admitted. Still, the California resident said she and the other fellows will look to their years of experience running large agencies, managing thousands, and taking on equally daunting tasks, for guidance.

"We know how to figure things out," she said, adding that part of the challenge is "taking our past experience and putting that to work, pulling the great knowledge of Harvard and the wisdom that is here and making use of that."

"I am feeling very optimistic that this program will help not only me but my colleagues in making some real, positive improvements in many of the world's tasks that we have ahead. I think it's great to pull people together that have a lot of wattage still that want to put it to use."

For Bolden, leading more than 16,000 Marines is nothing new. Deciding which compelling issue to focus on while at Harvard is.

"We've been exposed to so much and there are so many issues that need a champion," said the veteran of four space shuttle missions who is interested in poverty, education, and health care. Ultimately, Bolden said, he hopes to learn enough to start or back an organization in his hometown of Houston to support patients afflicted with sickle cell anemia, a disease that has taken the lives of friends.

Robert Whelan woke up one morning after leaving the world of corporate finance uncomfortably aware he no longer had an office to go to, no one to report to, and no future plan. A successful investment banker with close to 30 years of experience, the empty nester looked at his dog and said, "OK, pal, now what?"

Although the plan wasn't in place, the feeling that there was something he still needed to do was. Over the next several years Whelan was involved in a variety of nonprofit and for-profit boards and started two consulting firms, all the while contemplating his next big venture.

Recommended to the Harvard program by a friend, he decided to apply, was accepted, and now is investigating how to address social issues like education, youth development, and health care.

"There's something nagging at me, there's something else out there that I should be doing," he said. "[Something] that would have impact and may be large impact, and still be doing good, which at this point in my life is more important than doing well."

For Whelan the Harvard program is bringing him a step closer to that goal. Interacting with professors, students, and other fellows, he said, has helped him shape his thinking in invaluable ways.

"All of my expectations have been exceeded so far."

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## Brenner named SEAS associate dean for applied mathematics

Frans Spaepen, interim dean at Harvard's School of Engineering and Applied Sciences (SEAS) and John C. and Helen F. Franklin Professor of Applied Physics, has appointed applied mathematician Michael P. Brenner as the School's first associate dean for applied mathematics.

Brenner, Glover Professor of Applied Mathematics and Applied Physics, investigates a wide range of areas across the physical and biological sciences, from understanding the limitations of self-assembly to algorithm development for atmospheric chemistry to understanding the aerodynamic mechanism for stall-delay in humpback whales.

Brenner has long served as the director of undergraduate studies for the concentration in applied mathematics, and as a tutor in biochemical sciences. He co-developed Applied Math 50: "Introduction to Applied Mathematics" with Marie Dahleh, assistant dean for academic programs at SEAS.

In March, Brenner became the inaugural recipient of the Capers and Marion McDonald Award for Excellence in Mentoring and Advising. The letters of nomination praised his kindness, grace, knowledge, and flexibility as an adviser.

In place of a traditional departmental structure and chairs, SEAS is organized, for the purpose of research, teaching, and planning, under broad intellectual areas, each administered by an associate dean.

As associate dean, Brenner will help to manage academic and course planning and faculty and staff searches; handle promotion reviews for faculty appointments; represent SEAS to the Faculty of Arts and Sciences committee on appointments and promotion; and play a prominent role in raising the visibility of the area as an intellectual endeavor.

He will join David Mooney, associate dean for applied chemical/biological sciences and engineering and Gordon McKay Professor of Bioengineering; and Greg Morrisett, associate dean for computer science and engineering and Allen B. Cutting Professor of Computer Science.

# Harvard Kennedy School dean awarded Moynihan Prize

David T. Ellwood, dean of the John F. Kennedy School of Government, has been selected by the American Academy of Political and Social Science as winner of the 2009 Daniel Moynihan Prize. The prize will be awarded at a ceremony in Washington, D.C., on May 7.

The \$20,000 prize was created by the academy to honor public officials and social scientists who have consistently used the findings of social science research to improve public policy for the betterment of the human condition. It is intended to honor the legacy of Moynihan by recognizing those who champion the use of sound analysis to serve the public good. Daniel Patrick Moynihan served as a senator for the state of New York from 1977 to 2001. He died in 2003.

Academy President Douglas S. Massey cited Ellwood, saying that he “embodies the spirit of the Moynihan Prize by combining first-rate social sci-

ence and direct engagement in public policy with a firm moral sensibility and a deep concern for the public good.”

“I am deeply honored to have been selected to receive the Moynihan Prize,” said Ellwood. “Sen. Moynihan was a dedicated public servant who helped lead the war on poverty in America. His tireless efforts laid the groundwork for the important issues that many of us continue to grapple with today.”

Ellwood has served as dean of Harvard Kennedy School since 2004, and has been a member of the faculty since 1980. He served as assistant secretary for planning and evaluation at the U.S. Department of Health and Human Services from 1993 to 1995. He is recognized as one of the nation’s leading scholars on poverty and welfare, and his work has been credited with significantly influencing public poli-

cy in the United States and abroad.

A native of Minnesota who earned both his bachelor’s degree and Ph.D. from Harvard, Ellwood was recipient of the David N. Kershaw Award, given by the Association of Public Policy Analysis and Management to outstanding individuals under the age of 40 who have made a distinguished contribution to the field of public policy. He also received the Morris and Edna Zale Award for Outstanding Distinction in Scholarship and Public Service from Stanford University.

Ellwood is the second recipient of the Moynihan Prize. Alice M. Rivlin, founding director of the Congressional Budget Office and former director of the White House Office of Management and Budget, was winner of the inaugural prize last year.



Photo by Kent Dayton  
HKS Dean David T. Ellwood has won the 2009 Moynihan Prize.



Jon Chase/Harvard News Office

About the discovery she and her team have made that microbes are plentiful under an Antarctic glacier, researcher Ann Pearson says, ‘It’s a bit like finding a forest that nobody has seen for 1.5 million years.’

## Microbes thrive under Antarctic glacier

*Newfound iron-breathing species have lived in cold isolation for millions of years*

By Steve Bradt  
FAS Communications

A reservoir of briny liquid buried deep beneath an Antarctic glacier supports hardy microbes that have lived in isolation for millions of years, researchers report this week in the journal *Science*.

The discovery of life in a place where cold, darkness, and lack of oxygen would previously have led scientists to believe nothing could survive comes from a team led by researchers at Harvard University and Dartmouth College. Their work was funded by the National Science Foundation, NASA, and Harvard’s Microbial Sciences Initiative.

Despite their profound isolation, the microbes are remarkably similar to species found in modern marine environments, suggesting that the organisms now under the glacier are the remnants of a larger population that once occupied an open fjord or sea.

“It’s a bit like finding a forest that nobody has seen for 1.5 million years,” says Ann Pearson, Thomas D. Cabot Associate Professor of Earth and Planetary Sciences in Harvard’s Faculty of Arts and Sciences (FAS). “Intriguingly, the species living there are similar to contemporary organisms, and yet quite different — a result, no doubt, of having lived in such an inhospitable environment for so long.”

“This briny pond is a unique sort of time capsule from a period in Earth’s history,” says lead author Jill Mikucki, now a research associate in the Department of Earth Sciences at Dartmouth and visiting fellow at Dartmouth’s Dickey Center for International Understanding and its Institute of Arctic Studies. “I don’t know of any other environment quite like this on Earth.”

Chemical analysis of effluent from the inaccessible subglacial pool suggests that its inhabitants have eked out a living by breathing iron leached from bedrock with the help of a

sulfur catalyst. Lacking any light to support photosynthesis, the microbes have presumably survived by feeding on the organic matter trapped with them when the massive Taylor Glacier sealed off their habitat an estimated 1.5 million to 2 million years ago.

Mikucki, Pearson, and colleagues based their analysis on samples taken at Antarctica’s Blood Falls, a frozen waterfall-like feature at the edge of the Taylor Glacier whose striking red appearance first drew early explorers’ attention in 1911. Those “Heroic Age” adventurers speculated that red algae might have been responsible for the bright color, but scientists later confirmed that the coloration was due to rust, which the new research shows was likely liberated from subglacial bedrock by microorganisms.

Because water flows unpredictably from below the glacier at Blood Falls, it took Mikucki a number of years to obtain the samples needed to conduct an analysis. Finally, in

(See *Microbes*, page 31)

## HMS Dean’s Symposium on Clinical and Translational Research set

Harvard Medical School (HMS) will host a two-day Dean’s Symposium on Clinical and Translational Research on April 30 and May 1. Students, trainees, and faculty who are engaged in, or are interested in, clinical and translational research will convene for the first event of this kind. The symposium will highlight the full spectrum of high-impact clinical and translational research conducted at all Harvard institutions, and HMS Dean of Clinical and Translational Research Lee Nadler will formally summarize the state of clinical and translational research at Harvard.

Day one tackles “Challenges to Successful Innovation and Translation” and features speakers Yochai Benkler, Jack N. and Lillian R. Berkman Professor of Entrepreneurial Legal Studies, Harvard Law School; Senior Associate Dean and Director of Research Srikant M. Datar, Arthur Lowes Dickinson Professor of Accounting, Harvard Business School; and George M. Whitesides, Woodford L. and Ann A. Flowers University Professor, Department of Chemistry and Chemical Biology.

Day two is split between the themes “Thought, Emotion, and the Brain” and “Medical Nanotechnology: Small Is Big.” Speakers include Randy L. Buckner, professor of psychology and of neuroscience, Department of Psychology; John Gabrieli, professor of brain and cognitive sciences, Massachusetts Institute of Technology; Christopher A. Walsh, chief of the division of genetics at Children’s Hospital Boston; David A. Weitz, Mallinckrodt Professor of Physics and of Applied Sciences, Department of Physics; Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry; and Daniel Branton, Higgins Professor of Biology *Emeritus*.

To view the complete symposium schedule or register, visit <http://catalyst.harvard.edu/services/deanssymposium.html>.

# Cyclones force water into sky, feeding global warming

## Tropical storms inject ice far into stratosphere

By Steve Bradt  
FAS Communications

Scientists at Harvard University have found that tropical cyclones readily inject ice far into the stratosphere, possibly feeding global warming.

The finding, published in *Geophysical Research Letters*, provides more evidence of the intertwining of severe weather and global warming by demonstrating a mechanism by which storms could drive climate change. Many scientists now believe that global warming, in turn, is likely to increase the severity of tropical cyclones.

“Since water vapor is an important greenhouse gas, an increase of water vapor in the stratosphere would warm the Earth’s surface,” says David M. Romps, a research associate in Harvard’s Department of Earth and Planetary Sciences. “Our finding that tropical cyclones are responsible for many of the clouds in the stratosphere opens up the possibility that these storms could affect global climate, in addition to the oft-mentioned possibility of climate change affecting the frequency and intensity of tropical cyclones.”

Romps and co-author Zhiming Kuang, assistant professor of climate science in Harvard’s Faculty of Arts and Sciences, were intrigued by earlier data suggesting that the amount of water vapor in the stratosphere

has grown by roughly 50 percent over the past 50 years. Scientists are currently unsure why this increase has occurred; the Harvard researchers sought to examine the possibility that tropical cyclones might have contributed by sending a large fraction of their clouds into the stratosphere.

Using infrared satellite data gathered from 1983 to 2006, Romps and Kuang analyzed towering cloud tops associated with thousands of tropical cyclones, many of them near the Philippines, Mexico, and Central America. Their analysis demonstrated that in a cyclone, narrow plumes of miles-tall storm clouds can rise so explosively through the atmosphere that they often push into the stratosphere.

Romps and Kuang found that tropical cyclones are twice as likely as other storms to punch into the normally cloud-free stratosphere, and four times as likely to inject ice deep into the stratosphere.

“It is ... widely believed that global warming will lead to changes in the frequency and intensity of tropical cyclones,” Romps and Kuang write in *Geophysical Research Letters*. “Therefore, the results presented here establish the possibility for a feedback between tropical cyclones and global climate.”

Typically, very little water is allowed passage through the stratosphere’s lower boundary, known as the tropopause. Locat-

ed some 6 to 11 miles above the Earth’s surface, the tropopause is the coldest part of the Earth’s atmosphere, making it a barrier to the lifting of water vapor into the stratosphere: As air passes slowly through the tropopause, it gets so cold that most of its water vapor freezes out and falls away.

But if very deep clouds, such as those in a tropical cyclone that can rise through the atmosphere at speeds of up to 40 miles per

hour, can punch through the tropopause too quickly for this to happen, they can deposit their ice in the warmer overlying stratosphere, where it then evaporates.

“This suggests that tropical cyclones could play an important role in setting the humidity of the stratosphere,” Romps and Kuang write.

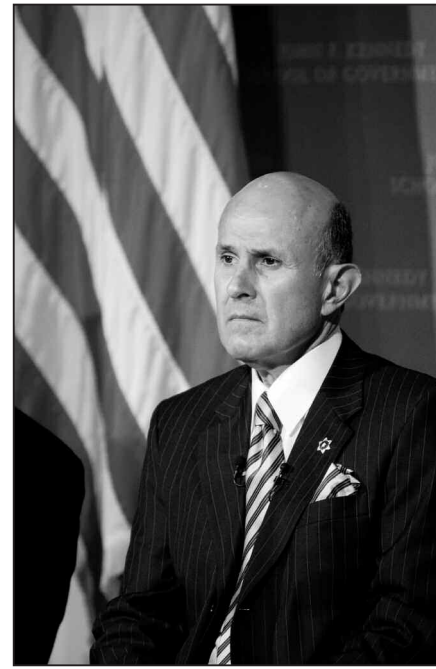
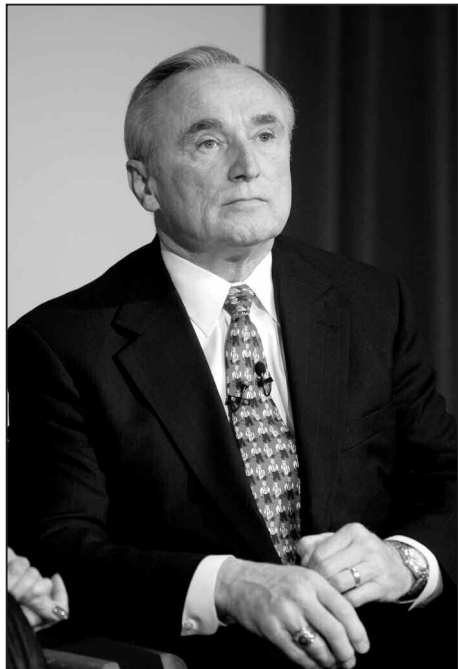
Romps and Kuang’s research was funded by the Eppley Foundation and NASA.



David Romps, a research associate in the Department of Earth and Planetary Sciences, has written a paper about how tropical cyclones might feed global warming by injecting water vapor into the stratosphere.

Katherine C. Cohen/Harvard News Office

Photos Kris Snibbe/Harvard News Office



William Bratton (from left), L.A. police chief, Constance Rice, co-director of the Advancement Project, and Leroy Baca, L.A. county sheriff, talk about curbing gang violence.

## Experts talk about reducing crime through a holistic approach

By Lindsay Hodges Anderson  
Kennedy School Communications

Los Angeles is a city that many equate with violent gangs and an ineffectual and troubled police force. Yet recent years have seen a decline in gang homicides and violent crime due to a new approach in policing.

Three leaders in the fight against gang violence in L.A. told an audience at the John F. Kennedy Jr. Forum on April 16 that while they are reducing gang crime, the battle remains in getting communities and all police officers on board.

Los Angeles Police Chief William Bratton, L.A. County Sheriff Leroy Baca, and Constance Rice, co-director of the Ad-

vancement Project, comprised the panel that was moderated by Christopher Stone, Guggenheim Professor of the Practice of Criminal Justice and director of the Hauser Center for Nonprofit Organizations.

The key to the new approach is in its emphasis on the whole environment rather than just suppression of crime.

“It requires a broadening of policing in terms of the perspective that all we’re responsible for is suppression,” said Bratton. “It requires a broadening ... [that includes] prevention ... and intervention in the schools, in the playgrounds.”

“We now have the ability in 2009 to go forward with a comprehensive plan that doesn’t rely strictly on suppression or arrest,” Bratton continued. “We know what to

do about this problem, that’s the good news. And if we can fix it in L.A., we can, in fact, basically transport it to the rest of America.”

Rice, whose Advancement Project aims to bring peace to urban areas and education to at-risk youths, didn’t deny that the epidemic of violence is ongoing, with estimates of 800 to 1,000 gangs in Los Angeles County and up to 80,000 gang members.

“You can’t have a 20-year youth gang homicide epidemic ... without catastrophic levels of gang violence in the hot zones,” she said.

The new holistic emphasis, stressed Rice, can be effective. “This is a public health strategy. ... You don’t hand out flyswatters for a malaria epidemic, you drain the swamp; you pass out the insecticide. You train people to

change the norms of their behavior. ... You get rid of the conditions, the vectors that transmit and amplify the disease.”

Baca said that the culture within the police force as a whole still needs to change and that many areas of public assistance need to unite. He asserted that the city cannot arrest its way out of the gang problem — a sentiment the other panelists shared.

Bratton echoed Baca’s point, noting that the Los Angeles Police Department used to be an “arrest machine,” but that the “hook ‘em and book ‘em” approach only increased crime in the 1990s. Recently, with cooperation from Baca, Rice, and other public officials, Bratton said that crime is starting to go down and this could become a national model.



The A.R.T.'s new artistic director, Diane Paulus, has divided the 2009-10 performance season into three festivals, each with a particular theme, an effort to make the shows into 'cultural events' and bring, as she puts it, a greater 'synergy' to each series of productions.

**'Shakespeare Exploded!'** is a festival of theatrical events inspired by three classic plays by Shakespeare. [www.amrep.org/shakespeareexploded/](http://www.amrep.org/shakespeareexploded/)

**'America: Boom, Bust, and Baseball'** explores the hopes, disappointments, and triumphs of the past American century, from the roaring '20s to the Great Depression to the Boston Red Sox's stunning 2004 World Series victory. [www.amrep.org/boombustbaseball/](http://www.amrep.org/boombustbaseball/)

**'Emerging America'** is a landmark festival of theater devoted exclusively to supporting and launching the new American voices of tomorrow. [www.amrep.org/emergingamerica/](http://www.amrep.org/emergingamerica/)

To learn more about the 2009-10 A.R.T. season, visit [www.amrep.org/2009-2010/](http://www.amrep.org/2009-2010/).



Actors Lucille Duncan (left) and Katherine Malak added color to an A.R.T. press conference introducing Paulus.



Kris Snibbe/Harvard News Office  
Viet Thanh Nguyen explores how different nations — and different groups within nations — remember war.

## Remembering the 'American War' of the '60s

By Corydon Ireland  
*Harvard News Office*

How do nations remember?

In part, they remember through monuments — public art designed to capture a national memory and carry it through the ages.

They're also forced — by artists in every medium — to confront more contrary and dissident memories.

How two nations remember and represent the war in Vietnam is the subject of a book-length study under way by Radcliffe Fellow Viet Thanh Nguyen. He will show how — through art and public art — Americans remember what they call the Vietnam War, and how the Vietnamese remember what they call the American War.

Nguyen, who teaches English and American studies at the University of Southern California, started a Radcliffe Gymnasium talk last week (April 15) with a sentiment that sums up the comparative study: "Wars are fought twice. The first time on the battlefield, and the second time in memory."

Dissidents aside, there is for each country a "dominant narrative of memory," he said.

Most Americans remember Vietnam as a bad war, Nguyen averred. But most Vietnamese still in Southeast Asia remember the conflict as a good war — proof of Ho Chi Minh's popular dictum that "nothing is more precious than independence and freedom."

Many Americans perceive Vietnam as "a failure of American exceptionalism," he said — "a fall from innocence for the American Adam." But the Vietnamese view the American War, Nguyen asserted, as the final stage of a colonial struggle that began against France in the 19th century.

Nguyen's talk followed those shapes of differing memory: a bad war, a good war, and — for some — "memories against war," he said, a time to remember "enemies and others."

(See *Vietnam*, page 18)



Photos Stephanie Mitchell/Harvard News Office

Actor Scott Morgan (top center) lived up a press conference at which A.R.T. artistic director Diane Paulus (above) unveiled her plans for her inaugural season.

## Paulus reaches beyond boards

*A.R.T. director says, 'theater is more than just the play on the stage'*

By Colleen Walsh  
*Harvard News Office*

Clad in black and white, her brown hair loose about her shoulders, her green eyes intense, Diane Paulus sits in her office and smiles. Against the window rests a stolen treasure from her days as a Harvard freshman, a poster of the American Repertory Theater's (A.R.T.) production of Samuel Beckett's "Endgame."

"This is really an amazing full circle for me and a dream come true. I have to pinch myself occasionally."

The New York native is still incredulous that she now occupies the office of the man she once interviewed for her senior thesis about an experimental theater group from the 1960s. She confesses to having stalked the company's hallways in her undergraduate days, occasionally swiping a memento or two for her dorm room (thus, the "Endgame" poster). The A.R.T., she admits, is in her DNA.

As the organization's new artistic director, the diminutive Paulus '88 brings provocative programming and a force-of-nature personality to the post.

"She is full of beans and energy and excitement and exciting ideas. She's an electrifying person," said Robert Brustein, the A.R.T.'s founding director. "The program is going to be very different than it has been at the A.R.T. We welcome the difference, and I think the audience will be very pleased."

The *Phi Beta Kappa* alumna is known for her kinetic productions that often cross tradition-

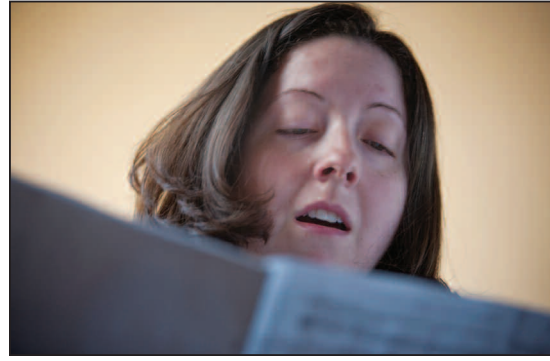
al plays and operas with pop culture, and occasionally even invite the audience to become part of the show. In a press conference at the theater last week (April 15), Paulus unveiled her plans for her inaugural season, one that will take on several classics with modern twists, and introduce a variety of new productions. Her goal, she said, in keeping with the A.R.T.'s mission, is to "expand the boundaries of theater."

"I think perhaps arts producers need to look a little closer at what we are providing in the arts experience, and I say 'arts experience' quite purposefully because my belief is that the theater is more than just the play on the stage. I believe very much in the theatrical event and how that can be newly defined."

Paulus has divided the season into three festivals each with a particular theme, an effort to make the shows into "cultural events" and bring, as she puts it, a greater "synergy" to each series of productions.

"Shakespeare Exploded!" is a selection of works by the Bard, including Paulus' "The Donkey Show," a collaboration with her husband, Randy Weiner, that explores "A Midsummer

(See *Paulus*, page 18)



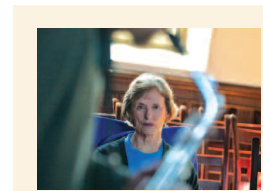
# Sing a song of praise

By Colleen Walsh  
Harvard News Office

Every Monday a small group of students gathers in Andover Hall for a sacred musical journey.

It's not a typical academic class experience. Instead of a chalkboard or lectern, there's a piano and a CD player. Instead of a classroom, students sit in a semicircle in a dark, paneled Harvard chapel that is (weather permitting) suffused with soft afternoon sunlight. They look poised for choir practice, and there is singing, but it's all part of the curriculum.

**music** For the past four years, Harry Huff has taught a course at Harvard Divinity School (HDS) that explores religious history through the lens of European music. Last year, given the opportunity to teach another class, he didn't hesitate, jumping at the chance to develop a course around the body of sacred music unique to the Americas.



**audio slide show**

'Sing a song of praise'  
www.news.harvard.edu  
/multimedia/flash/09  
0423\_sacred.swf

"I have this love for American music, and I've always wanted to talk about it and be able to turn people on to it," said Huff, music director and lecturer on ministry at HDS.

His new class, "The American Spirit in Music," examines 16th century music in New Spain (Mexico); the Calvinist psalms of the Puritans; William Billings and the Colonial tunesmiths; the rise of Sacred Harp and other shape-note music; African-American spirituals and work songs; the rise of blues and gospel, both black and white; the sacred jazz of Duke Ellington and John Coltrane; 19th, 20th, and 21st century American classical composers; and modern trends incorporating electronics and nature sounds.

"Through listening, discussion, and writing," the course description reads, "students will gain an appreciation for six centuries of contributions to the canon of sacred music on this side of the Atlantic."

Raised in a small town in eastern Tennessee, Huff's own musical epiphany came at the age of 5 with the aid of an old upright piano and the 1779 hymn "There Is a Fountain Filled with Blood," by the English poet William Cowper. Learning to play the piece, Huff said, made him want to "probe the mysteries of music." Organ lessons followed, as did regular work as an organist at various churches, and ultimately years of living in New York City working as a pianist in some of Manhattan's most exclusive clubs. In between, he found time to earn his master of music degree from Yale. He was also appointed to his first post in the Episcopal Church, the denomination that would become

the foundation for his working and spiritual life.

Huff lends his broad range of musical experience to the class — he has collaborated with opera star Jessye Norman and pop artists Judy Collins and Art Garfunkel. He also served as associate University organist and choirmaster at Harvard's Memorial Church for four years and is currently minister of music at Old South Church in Boston.

Bringing the music they study to life has become a regular and essential part of the new class. Huff was surprised and thrilled to find his small group was populated with singers.

"It hadn't occurred to me when I was designing the syllabus that we would actually be singing, but I've got all parts, from high soprano to low bass, so we have been able to sing every class. ... We were able to sing Sacred Harp music; rounds from the Colonial tunesmith William Billings; spirituals and gospel music."

In addition to a sung version of Duke Ellington's "Come Sunday," Huff's recent class on sacred jazz included a moving rendition of Ellington's "Heaven," with student Jeremy Innis on the alto saxophone and Huff on piano. After the performance, the second-year M.T.S. student said the class keeps him connected not only to music, but also to his spirituality and the religious history of America.

"It's very important to the way that I approach religion because music is the way that I feel like I participate most, the way that I enter my spirituality," said Innis, adding that he enjoyed learning about different forms of music and the connections and the influences of various composers on one another.

"One thread we traced last week was the classical composer Dvorák and how he taught and was taught by African Americans in the U.S., and how he influenced the work of Gershwin and Duke Ellington. It's neat to see how these things connect through history."

After the class listened to and discussed several sacred jazz tracks, and watched segments of a film of Ellington's 1965 Sacred Concert at Grace Cathedral in San Francisco, Huff introduced a presentation by Chris Hope, a first-year M.Div. student from Atlanta, who came to Harvard to study ministry in the Pentecostal tradition. Hope is also a member of the Holy Hip Hop movement — an initiative to bring the gospel to the hip-hop community — as well as the host of the show "Hip Hope Radio" on WHRB. His lecture, peppered with rap, offered a 21st century perspective on sacred music.

"Rap," Hope told the class, is "parallel to spirituality at its highest level."

For Huff, the class is, above all, an opportunity to explore religion and history through sound and bring his love of music and its various sacred traditions, both young and old, to his students.

"I feel like it's important for me to engender a love of music that is timeless. And in this class, when we are dealing with indigenous music — a lot of it 'nonclassical' — I consider it classical because it *is* timeless."

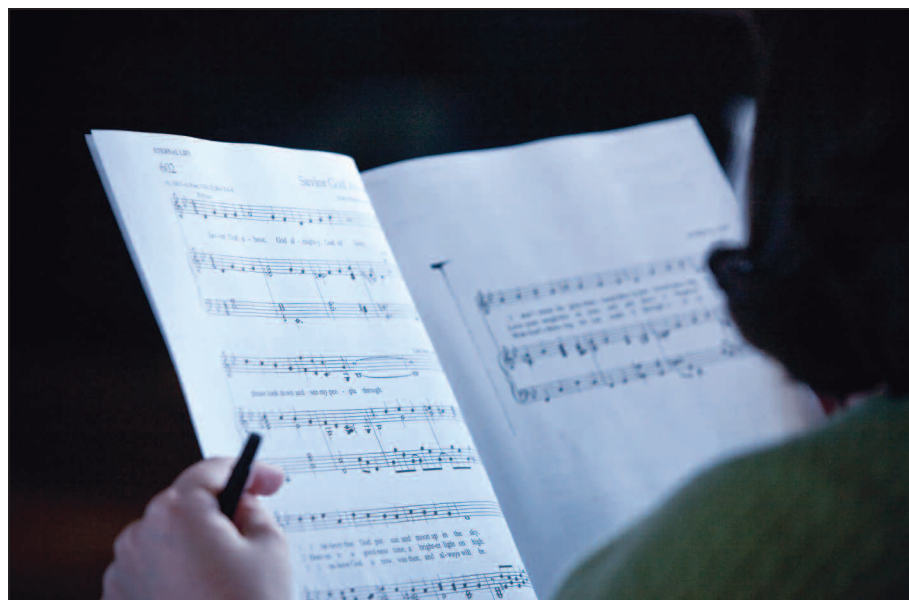
*From Calvinist psalms to spirituals and work songs to Ellington and Coltrane, HDS class explores the sacred and the musical*



Harry Huff (above center), music director and lecturer on ministry at HDS, gently presides over a class about the body of sacred music unique to the Americas.

Photos Justin Ide/Harvard News Office

Student Summer Finnell (top) sings a song with other members of the class. Harry Huff (from far right) looks at a score; HDS student and 'hip-hop' artist C. Hope visits the class; student Jeremy Innis plays the saxophone; a student reviews some sheet music.



## Vietnam



(Continued from page 15)

In all cases, memories on a national scale are “sites of struggle” in which people grapple with the historical context of war, said Nguyen. “Memory is more than what takes place in our brains.”

In the United States, a bad war is well remembered by what Nguyen called the country’s most powerful example of public art designed for war remembrance, Maya Lin’s minimalist Vietnam Veterans Memorial on the mall in Washington, D.C.

The wing of black granite, engraved with the names of more than 58,000 American war dead, “captures the national mood about the war,” said Nguyen — “a foreign war that was at the same time a civil war in the American soul.”

Then came the supplements — the added public art representing counter-pressures for other forms of national memory-making.

Frederick Hart’s “Three Soldiers” was unveiled at the mall in 1984, a bronze that “celebrates a more masculine vision of heroism,” opined Nguyen, along with “a depiction of American racial solidarity.”

In 1993, nearby, Glenna Goodacre’s Vietnam Women’s Memorial was dedicated. It depicts two nurses and a wounded soldier.

And in 2003, a Vietnam War memorial was unveiled in Garden Grove, Calif. It shows American and South Vietnamese sol-



Photos Kris Snibbe/Harvard News Office

**Nguyen is showing how — through art and public art — Americans remember what they call the Vietnam War, and how the Vietnamese remember what they call the American War.**

diers (of equal height) in front of their national flags (of equal height).

For the Vietnamese of Orange County, said Nguyen, the site is also a “performance space” where in parades and festivals conceptions of gender and nationalism are enacted by older men in old uniforms and women in traditional dress.

“It’s their country they want to seize again,” he said — calling the Vietnamese diaspora in America “a population relentlessly gnawed by longing.”

In Vietnam itself, Ho Chi Minh’s icon is still “omnipresent,” said Nguyen, as are memorials to “martyrs” of the American War modeled on traditions of ancestor worship.

In Vietnam, memorials to the war also explicitly include “a whole new category ...

incorporated into the narrative of sacrifice,” he said: civilians, of whom millions died.

The 500 noncombatants killed in 1968 at My Lai are depicted in one monument, he said, a gaudy life-size re-creation of the shooting.

The War Remnants Museum in Ho Chi Minh City, once billed as a “war crimes” museum, is still a popular tourist destination, said Nguyen.

He first visited in 2002 before the facility expanded into what he called an “ever more subtle” and politically subdued collection of artifacts. (These include a guillotine used by the French and jars of deformed fetuses damaged by exposure to dioxin from American defoliation campaigns.)

Many young Vietnamese have little interest in the war, said Nguyen, whose lecture

images included posters for cinema blockbusters like “Bar Girls” and “Long-Legged Girls.” But a recent best-seller, “Last Night I Dreamed of Peace” (2005) — the diary of heroic combat doctor Dang Thuy Tram — “fits the Vietnamese collective memory,” he said.

The movie version, “Don’t Burn,” will be released on April 30, the anniversary of the day Americans left Vietnam in 1975.

Contrary memories are alive on both sides of the ocean — attempts by artists to provide “memories against the war,” said Nguyen.

In Vietnam, dissident novelist (and war veteran) Duong Thu Huong was kept under house arrest until her recent exile to France.

In the United States, artist Martha Rosler reprised her ironic “House Beautiful” collage images of Vietnam (1967-72) to express a parallel anger at the war in Iraq — with “Gladiators” in 2004.

And in 1991, Chris Burden installed his “Other Vietnam Memorial” at the Museum of Contemporary Art in Chicago. It gave Maya Lin’s idea an anti-war twist, listing 3 million Vietnamese names on copper plates that swing gate-like from a central pole.

The names are not real, said Nguyen, since Asian casualties from the war — upwards of 5 million — “test the limits of actual memory.”

*corydon\_ireland@harvard.edu*

## Paulus

(Continued from page 15)

Night’s Dream” through the lens of the famously self-indulgent disco Studio 54. Staged at the Zero Arrow Theater, the space will be transformed into a version of the popular New York nightclub from the 1970s, with the audience encouraged to get into the act. “Sleep No More,” recasts “Macbeth,” as an immersive theater experience, one where the audience can wander a Hitchcock-inspired cinematic installation. For the retelling of “The Winter’s Tale,” Paulus will enlist the help of local gospel choirs and R&B to recount the story of jealousy and forgiveness.

The “America: Boom, Bust, and Baseball” festival explores some of the highs and lows in America during the past century. “Gatz Parts 1&2” takes the audience through an entire theatricalized reading of Fitzgerald’s “The Great Gatsby” (seven and a half hours to be exact), while “Paradise Lost” examines a family struggling in the Great Depression.

The third show in the series, the musical “Red Sox Nation,” unravels the most notorious curse in baseball.

The final festival, “Emerging America,” a collaboration with the Institute of Contemporary Art and the Huntington Theatre Company, will introduce a number of new artists and their works.

The arts are in the blood of the 42-year-old Paulus, who grew up in Manhattan — two blocks from Lincoln Center — where she studied ballet,



**Members (left) of the contemporary gospel group ‘Confirmation’ take part in the A.R.T. press conference welcoming artistic director Diane Paulus (far left).**

an English National Opera (ENO) co-production with the Young Vic in London, based on the David Lynch film.

Engaging with the Harvard community in new and creative ways is a critical part of her role, said Paulus. Others agree. That central philosophy, noted Provost Steven E. Hyman, who chaired the search committee, was essential in her selection.

“Diane ... is absolutely committed to this,” said Hyman. “I believe that the kind of communal experiences centered on art that are provided by live theater can be transformative for communities like ours.”

Paulus is already making good on her promise. She recently invited a group of undergraduates to her Broadway production of “Hair” and is collaborating with Marjorie Garber, William R. Kenan Jr. Professor of English and of Visual and Environmental Studies and director of the Carpenter Center, on a Shakespeare course in the fall based on the A.R.T. Shakespeare festival. Paulus also hopes to be an active participant in the current discussions on creating a theater major in the College’s curriculum.

For Paulus, the potential to engage the Harvard community — as well as the broader community — with her vision of the theater is invigorating.

“I’m just obsessed,” she said, “with revitalizing the audience’s present engagement with theater.”

classical piano, and theater. As a young dancer with the New York City Ballet, Paulus watched from the wings as famed choreographer George Balanchine wove his magic. Onstage, she danced with Baryshnikov.

Though she ultimately opted for Harvard over Juilliard, her artistic impulse never faded. Initially interested in politics, her experience with the A.R.T. and the Harvard Undergraduate Drama Club, where she was involved with theater “every waking moment,” helped guide her to a life of the stage.

“I definitely feel it was this seminal moment of seeing professional theater done in such a stunning way, of having this professional institution show you what was possible.”

Paulus graduated with a degree in social studies and later earned her M.F.A. in directing from Columbia University’s School of the Arts. Soon she was producing shows with her husband and their small theater group, Project 400. A freelance director for the past several years, Paulus’ recent work includes the current Broadway revival of “Hair”; “Kiss Me Kate” at Glimmerglass Opera; and “Lost Highway,”



# Calendar

Events for April 23-May 7, 2009



'Crossroads: The Future of Human Life in the Universe' is a conference at the Center for Astrophysics Friday, May 1-Saturday, May 2. See conferences, page 23, for details.

## concerts

Thu., April 23—"Midday Organ Recital." (Art Museum, Memorial Church) Adolphus Busch Hall, 29 Kirkland St., 12:15 p.m. Free and open to the public. [www.harvardartmuseum.org](http://www.harvardartmuseum.org).

Thu., April 23—"Prokofiev and Brahms." (Harvard Box Office) 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; MTA half-price; O&I 20 percent off; RUSH tickets \$8 cash only, available 90 minutes prior to concert (2 per ID for students, 1 per person for senior citizens). Harvard Box Office (617) 496-2222, [www.boxoffice.harvard.edu](http://www.boxoffice.harvard.edu).

Fri., April 24—"Student Music Performance Series." (Art Museum) Music offerings by Harvard students. Sackler Museum, 485 Broadway, 3:30 p.m. [www.harvardartmuseum.org](http://www.harvardartmuseum.org).

Fri., April 24—"Viva El Arte!" (Harvard College Presencia Latina Student

Group) Concert by Presencia Latina. Lowell Lecture Hall, 17 Kirkland St., 7 p.m. Tickets are \$12 general; \$10 students/Harvard ID. Harvard Box Office (617) 496-2222, [www.boxoffice.harvard.edu](http://www.boxoffice.harvard.edu).

Fri., April 24—"Beethoven, Finzi, and Mozart." (Harvard Box Office) Concert by Bach Society Orchestra. Paine Hall, 8 p.m. Tickets are \$12 general; \$8 student/senior citizens. Harvard Box Office (617) 496-2222, [www.boxoffice.harvard.edu](http://www.boxoffice.harvard.edu).

Fri., April 24—"Versa est in Luctum!" (Harvard-Radcliffe Collegium Musicum) Chamber singers of the Harvard-Radcliffe Collegium Musicum perform works by Josquin, Ockeghem, Victoria, and Lassus. First Church of Cambridge, 11 Garden St., 8 p.m. Tickets in advance are \$10 general; \$5 students. Tickets at door are \$14 general; \$7 students. Harvard Box Office (617) 496-2222, [www.boxoffice.harvard.edu](http://www.boxoffice.harvard.edu).

Sat., April 25—"Harvard Group for New Music with White Rabbit." (Music, Harvard Group for New Music) Featuring renowned composer Martin Bresnick's "Bucket Rider," "Be Just," and "Songs of the Mouse People"; also music by Christopher Hasty and three works by composers of HGNM. Paine Hall, 8 p.m. Free and open to the public. Reception to follow.

Sat., April 25—"Mozart's Requiem." (Harvard-Radcliffe Chorus) In a collaboration with the Pro Arte Chamber Orchestra of Boston, a performance of Mozart's ever-popular "Requiem," featuring keyboardist Robert Levin, soprano Mara Bonde, mezzo-soprano Deborah Rentz-Moore, tenor Lawrence Jones, and baritone Sumner Thompson. Sanders Theatre, 8 p.m. Tickets are \$22/\$18/\$16 general; \$11/\$9/\$8 students/senior citizens. Harvard Box Office (617) 496-2222, [www.boxoffice.harvard.edu](http://www.boxoffice.harvard.edu).

Sat., April 25—"American Music of Classics and Swing." (Harvard University Wind Ensemble) The Wind Ensemble and Sunday Jazz Band present American music of classics and swing. Lowell Lecture Hall, 17 Kirkland St., 8 p.m. Tickets are \$10 general; \$8 students/Harvard ID. Harvard Box Office (617) 496-2222, [www.boxoffice.harvard.edu](http://www.boxoffice.harvard.edu).

Sun., April 26—"Prokofiev and Brahms." (Harvard Box Office) Concert by the Boston Philharmonic Orchestra conducted by Benjamin Zander. Sanders Theatre, 3 p.m. Tickets are \$78/\$60/\$45/\$25 general; \$5 off students/senior citizens, Coolidge Corner Theatre; MTA half-price; O&I 20 percent off; RUSH tickets \$8 cash only, available as of 1 p.m. (2 per ID for students, 1 per person for senior citizens). Harvard Box Office (617) 496-2222, [www.boxoffice.harvard.edu](http://www.boxoffice.harvard.edu).

Sun., April 26—"Handel's Saul." (Harvard University Choir) Concert by the Harvard University Choir and the Harvard Baroque Chamber Orchestra on the 250th anniversary of Handel's death. Memorial Church, 4 p.m. Tickets are \$15 general; \$10 students; Harvard students are free (1 ticket per person

(Continued on next page)

## Inside



### All aboard!

Filmmaker Benning will be at the HFA to talk about 'RR' and more  
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### Firebird Ensemble ...

performs 'The Origin Cycle' at HMNH  
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### Islamic felines

At Emerson Hall, hear a talk about the cat in Islamic art and culture  
Page 27

(Continued from previous page) per valid ID). Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

Tue., April 28—**“The Origin Cycle.”** (HMNH) A classical music performance by the Firebird Ensemble and soprano Jane Sheldon. HMNH, 26 Oxford St., 7 p.m. Tickets are \$12 general; \$10 students/Harvard ID/HMNH members; free for Harvard students. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

Tue., April 28—**“Chamber Music of Dvorak and Beethoven.”** (Lowell House) Violinist Kypros Markou, pianist Channing Yu, and violoncellist Elizabeth Main present Dvorak’s “Sonatine,” Beethoven’s “Violin Sonata No. 1,” and “Archduke Trio.” Junior Common Room, Lowell House, 10 Holyoke Pl., 8 p.m. Free and open to the public. musicadica@gmail.com.

Thu., April 30—**“Midday Organ Recital.”** (Art Museum) Anna Myeong,

organist. Adolphus Busch Hall, 29 Kirkland St., 12:15 p.m. Free and open to the public. www.harvardartmuseum.org.

Fri., May 1—**“Midday Organ Recital.”** (Art Museum) Members of the Harvard Organ Society. Adolphus Busch Hall, 29 Kirkland St., 12:15 p.m. Free and open to the public. www.harvardartmuseum.org.

Fri., May 1—**“Missa Solemnis.”** (Harvard Box Office) Arts First concert featuring Harvard Glee Club, Harvard-Radcliffe Collegium Musicum, and Radcliffe Choral Society, Holden Choirs, with a professional orchestra. Conducted by Jameson Marvin. Sanders Theatre, 8 p.m. Tickets are \$28/\$24/\$18 general; \$14/\$12/\$9 students/senior citizens. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

Fri., May 1—**“VoiceLab A Cappella.”** (GSAS VoiceLab) Concert by VoiceLab, Harvard’s a cappella group. Boston a cappella group “redline” makes a guest appearance. Paine Hall, 8 p.m. Tickets are \$5. brown4@fas.harvard.edu.

Sat., May 2—**“Kuumba Singers Spring Concert.”** (Kuumba Singers of Harvard College) Concert of songs, dance, poetry, spoken word, and instrumental music. Sanders Theatre, 8 p.m. Tickets are \$12 general; \$8 students. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

Sat., May 2—**“Brattle Street Chamber Players Concert.”** (Brattle Street Chamber Players) Arts First concert. Paine Hall, 8 p.m. Tickets are free, limit 4 per person; valid until 7:45 p.m. Available by phone for a fee. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

Sun., May 3—**“De Boeck, Copland, Nielsen.”** (Dudley Orchestra) Concert by Dudley Orchestra. Paine Hall, 4 p.m. Tickets are \$10 general; \$7 students/senior citizens/Harvard ID. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

Mon., May 4—**“Ligeti, Stravinsky, and Beethoven.”** (Harvard Box Office) Concert by the Discovery Ensemble premiering Ligeti’s “Romanian Concerto,” the rarely heard complete score of Stravinsky’s ballet “Pulcinella,” and Beethoven’s “Eighth Symphony.” Sanders Theatre, 8 p.m. Tickets are \$20 general; \$10 students/senior citizens. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

## dance

Fri., April 24-Sat., April 25—**“Premiere.”** (Harvard Dance Center) A showcase of Harvard’s vibrant choreographic scene with new pieces by Ricky Kuperman, Allyson Ross, Nina Stoller-Lindsey, Hannah Yohalem, and more. Guest appearance by pianist Alexander Bernstein ’10. Harvard Dance Center, 60 Garden St., 8 p.m., with an additional 3 p.m. show on Saturday. Tickets are \$10 general; \$7 students. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

## theater

Fri., April 24—**“Palestine.”** (SHURA, Harvard Islamic Society, Society of Arab Students and Center for Arab Culture, Harvard College Palestine Solidarity Committee, Harvard Islamic Society, Harvard College Advocates for Human Rights, Society of Arab Students, Ascent Magazine) Najla Said, an award-winning playwright and actress, performs her one-woman show. Fong Auditorium, Boylston Hall, 6 p.m. Free and open to the public. Donations for humanitarian relief in Gaza will be collected. A Q&A with Said will follow. aha-neef@hds.harvard.edu, farrah.haidar@cacoston.org.

**Agassiz Theatre**  
Thu., April 23-Sun., April 26—**“Recall!”** is a story of sabotage, food safety, and intrigue centered on Baconsville, Penn., a small town whose claim to fame is a misunderstood pork product: Scrapple. —*Performances take place in Agassiz Theatre, 10 Garden St., various times. Tickets are \$10 general; \$7 students; \$5 pre-frosh. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.*

Wed., May 6-Sun., May 10—**“Big River.”**  
—*Performances take place in Agassiz Theatre, 10 Garden St., 8 p.m., with 2 p.m. matinees on Sat. and Sun. Tickets are \$12 general; \$8 students/senior citizens. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.*

**American Repertory Theater**  
Thu., April 23-Sun., April 26—**“The Inaugural Harvard Playwrights Festival”** will present staged readings of plays by 11 undergraduate playwrights, in collaboration with professional directors, graduate actors, and dramaturgs from the A.R.T. Institute for Advanced Theatre Training. —*Performances take place at New College Theatre, 12 Holyoke St., various times, with repeat performance during the day. Admission is free. For a complete schedule, visit www.amrep.org.*

**Cabot House Music Theatre**  
Thu., April 23-Sat., May 2—**“A Funny Thing Happened on the Way to the Forum”** is Broadway’s light, fast-paced, witty, irreverent musical. Combining situations from time-tested, 2,000-year old comedies of Roman playwright Plautus with the infectious energy of vaudeville — the result is a nonstop laugh fest! —*Performances take place at Cabot House Junior Common Room, 100 Walker St., 8 p.m. Tickets are \$7 general; \$5 students/senior citizens. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.*

**Harvard-Radcliffe Dramatic Club**  
Thu., April 23-Sat., April 25—**“The Quad”** is an original rock-musical following an ensemble of leads through their freshman (Act I) and senior (Act II) years in college. The show pays homage to the lighter side of college, but it also explores the serious, raw side of the experience. —*Performances take place at Loeb Drama Center Ex, 64 Brattle St., times TBA. Tickets are free and can be reserved at quad.musical@gmail.com or are available in person at the door prior to each performance. www.amrep.org.*

Fri., April 24-Sat., May 2—**“The Space Between”** is a student-devised show that re-imagines the life story of CalTech professor and physicist Richard Feynman in new, mythic proportions. At the end of his life, the scientist dreams of his youth, the death of his first love, the nature of the universe, and his work on the atomic bomb. A show about art and science, sin and knowledge, blindness and sight, and ultimately, life and death. —*Performances take place at Loeb Drama Center Main Stage, 64 Brattle St., 8 p.m. Tickets are \$12 general; \$8 students/senior citizens. Tickets are available through the A.R.T. Box Office (617) 547-8300, in person at the Loeb Drama Center Box Office, or www.amrep.org.*

Fri., May 1-Sat., May 9—**“Tis Pity She’s a Whore”** directed by Olivia Benowitz. —*Performances take place at Loeb Drama Center Ex, 64 Brattle St., times TBA. Ticket prices TBA. 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.*

**Hyperion Shakespeare Company**  
Thu., April 23-Sat., May 2—**“Hamlet”** is

Shakespeare’s famous tragedy of a troubled young prince struggling with his ghost-given mandate to avenge his father’s death. Under award-winning Jason Slavick, the Leverett Old Library will be transformed into the court of Denmark, rife with claustrophobic energy and intellectual angst. —*Performances take place at Leverett Old Library, 11 Mill St., 7:30 p.m. Tickets are \$12 general; \$8 students. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.*

**New College Theatre**  
Thu., April 30-Sun., May 3—**“The Tragedy of Hamlet: The Prince of Denmark.”**  
—*Performances take place at New College Theatre, 10-12 Holyoke St., 8 p.m., with 2 p.m. matinees on Sat. and Sun. Tickets are \$6 general. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.*

## film

Thu., April 23—**“Immigration Detention and Human Rights.”** (Charles Hamilton Houston Institute, DRCLAS, Harvard Immigration Project) Film screening of “Detained,” on the New Bedford factory raids, followed by a poetry reading by Everett Hoagland titled “‘Illegal’ Immigrants & Legal Inhumanity.” Panelists include Mayor Scott Lang, city of New Bedford, Ondine Galvez-Sniffin, Nancy Kelly, and John Wilshire-Correra. Free and open to the public. Refreshments provided. North classroom, Langdell Hall, HLS, 6:30 p.m. (617) 495-8285, houstonevents@law.harvard.edu, www.charleshamiltonhoustoninst.org.

Thu., April 23—**“A Media Archaeology of Boston.”** (Cambridge Talks, Ph.D. Program at GSD, Film Study Center) A one-night sound, film, and video exhibition presenting an excavation of Boston’s spaces through a montage of short films, photographs, and more. Lecture Hall, Carpenter Center, 24 Quincy St., 7 p.m. Reception to follow in the Sert Gallery. (617) 495-9704, www.cambridgetalks.org.

Fri., April 24—**“CES Undergraduate Board/Pizza Movies Series: ‘Goodbye, Lenin.’”** (CES Undergraduate Board) Film screening of “Goodbye, Lenin.” Lower level conference room, Busch Hall, 6 p.m. Pizza at 6 p.m., movie begins at 6:30 p.m. Free and open to the public. gemorris@fas.harvard.edu, www.ces.fas.harvard.edu.

Wed., April 29—**“Children Left Behind: A Documentary about High Stakes Testing.”** (HGSE) Film screening and talk by Louis Kruger, producer. Askwith Lecture Hall, 13 Appian Way, 5 p.m.

Thu., April 30—**“Film Screening: ‘A Delicate Balance.’”** (Harvard College Vegetarian Society, Environmental Action Committee) Film screening of a new Australian-produced documentary on food, animal welfare, health, and the environment. Possible discussion with director/producer Aaron Scheibner to follow screening. Room 113, Sever Hall, 7:30 p.m. Snacks provided. Free and open to the public.

Sun., May 3—**“Arts First Screening of New Works.”** (Carpenter Center) Film screenings. Room B04, Carpenter Center, 24 Quincy St., 1 p.m. www.ves.fas.harvard.edu.

Wed., May 6—**“Movie Night at the Schlesinger Library.”** (Schlesinger Library) Screening of “Never Perfect” (2007) and “The Mirror Lied” (1998); discussion with Elena Creff, Wellesley College, to follow films. Radcliffe College Room, Schlesinger Library, 10 Garden St., Radcliffe Yard, 6 p.m. (617) 495-8647, www.radcliffe.edu.

**Dudley House Film Series**  
Films are screened in the Graduate Student Lounge, Lehman Hall, Harvard

Yard. Admission is free. Films are shown on a big-screen TV.

Fri., April 24—**“The Shakespeare Code’: Dr. Who Meets Shakespeare”** at 6:30 p.m., followed by **“Shakespeare Retold: The Taming of the Shrew”** at 7:30 p.m.

Fri., May 8—**“Fred Astaire and Ginger Rogers 75th Anniversary Festival.”** “Puttin’ on His Top Hat” at noon; “Follow the Fleet” at 1:45 p.m.; “The Story of Vernon and Irene Castle” at 4:15 p.m.’ “Top Hat” at 6:15 p.m.; and “Swingtime” at 8 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)

## 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	WCFA

## 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

### 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.

495-4700, <http://hcl.harvard.edu/hfa/>.  
 Thu., April 23—No screenings  
 Fri., April 24—Benning's "RR" at 7 p.m. Director in person.  
 Sat., April 25—Benning's "Spiral Jetty" and "Casting a Glance" at 7 p.m. Director in person.  
 Sun., April 26—Benning's "13 Lakes" at 3 p.m. followed by "Ten Skies" at 7 p.m.  
 Mon., April 27—Kaige's "Yellow Earth" at 7 p.m.  
 Tue., April 28—Free VES screening: "Last Year at Marienbad" at 7 p.m.  
 Wed., April 29—Free VES screening: "Memento" at 7 p.m.  
 Thu., April 30—No screenings

**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., April 24—Munt's "Pretextos" at 7:30 p.m.

Fri., May 1—Pons' "Carícies" at 7:30 p.m.

Fri., May 8—Aragón's "Todos estamos invitados" 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**

"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).

**"Where Art and Science Meet: A Celebration of the Life and Art of Esther Heins"** celebrates Heins' life as one of the great female botanists — and Boston-area resident for almost all of her 99 years — by showcasing her large illustrations of the living collections of Arnold Arboretum. (Through May 31)

—Lecture Hall, 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).

**Baker Library**

"The Primary Sources: Contemporary Research in Baker Library Historical Collections" examines the role of primary source materials in contemporary scholarly research by showcasing four recent publications by Harvard Business School faculty and fellows that drew extensively from the extraordinary breadth of historical documents held at HBS. Also featuring ten additional, recent, scholarly publications in which the premises were strengthened and enriched by the authors' access to

historical documents at HBS. (Through Sept. 11)  
 —North lobby, Baker Library, Bloomberg Center, HBS, Soldiers Field Rd. (617) 496-6364, [www.library.hbs.edu/hc](http://www.library.hbs.edu/hc).

**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**

"VES Thesis Show: The Arsenal" features the work of students Sabrina Chou, Camille Graves, Cydney Gray, Amy Lien, Christen Leigh McDuffee, Sally Rinehart, John Selig, Nick Shearer, Anna Smith, and Lisa Vastola. A reception for the artists will be held Fri., May 8, at 5:30 p.m. (April 30-June 4)  
 —Main Gallery & Sert Gallery, third floor, 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).

**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**

"Conceiving the Pill: Highlights from the Reproductive Health Collections" features newly opened manuscripts of John C. Rock, the co-creator of the contraceptive pill with Arthur T. Hertig, and will draw on the papers of contributing scientists, physicians, and activists involved in reproductive health. The exhibit will include ephemera, photographs, correspondence, and artifacts from these collections. (Through Sept. 30)  
 —First floor, Countway Library. (617) 432-6196.

**"Modeling Reproduction: The Teaching Models of Robert Latou Dickinson"**

features an early birth pioneer who developed a renowned collection of reproduction models as part of his campaign to broaden the understanding and acceptance of human sexuality. In addition to models, the exhibit includes correspondence, ephemera, and photographs from the Dickinson papers. (Through Sept. 30)  
 —Second floor, Countway Library. (617) 432-6196.  
[www.countway.harvard.edu/chom](http://www.countway.harvard.edu/chom).

**"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 sce-

**April 23**

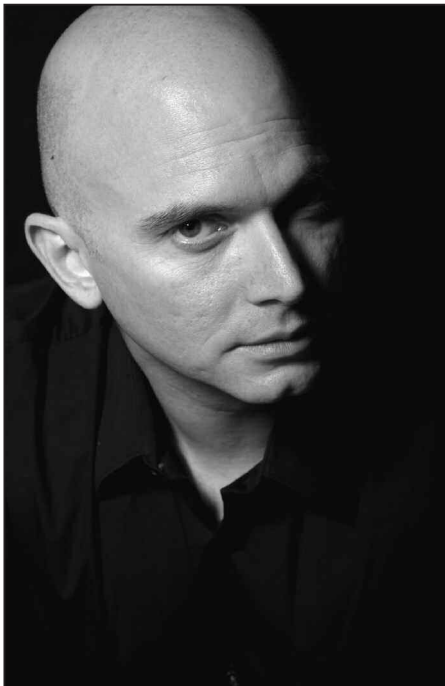


Photo by Gino Domenico

**Actor and vocalist Michael Cerveris will conduct audition workshops with undergraduate actors and singers, who will learn the how-to's of auditioning in two workshop sessions. The workshops will take place today (April 23) in the Lower Common Room, Adams House, at 3 and 7 p.m. Observers are welcome. Free. Call (617) 495-8676 or visit [www.fas.harvard.edu/ofa](http://www.fas.harvard.edu/ofa) for more information.**

narios 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).

**Ernst Mayr Library**

"Charles Darwin: A Celebration of the Bicentenary of His Birth (1809)" presents a selection of Darwin's books, manuscript fragments, correspondence, portraits, and ephemera. (Through autumn 2009)  
 —Ernst Mayr Library, second floor, Museum of Comparative Zoology, 26 Oxford St. (617) 495-2475, <http://library.mcz.harvard.edu>.

**Fairbank Center**

"Contemporary Ink Art: Evolution" is a traveling exhibition from Beijing Museum of Contemporary Art featuring the work of Liu Kuo-sung, Hsiao Chin, Qiu Deshu Xu Bing, G.Y. Wu, Wang Tiande, Lan Zhenghui, and Qin Feng. (Through May 8)  
 —Concourse level, CGIS South, 1730 Cambridge St. [wtien@fas.harvard.edu](mailto:wtien@fas.harvard.edu), [www.fas.harvard.edu/~fairbank](http://www.fas.harvard.edu/~fairbank).

**Graduate School of Design**

"The Allston Corridor" is an exhibit featuring the work of current Loeb Fellows

Jim Brown and Rob Lane.  
 —Gund Hall Lobby, GSD, 48 Quincy St. Free and open to the public.  
[www.gsd.harvard.edu/events/exhibitions/current.htm](http://www.gsd.harvard.edu/events/exhibitions/current.htm).

**"Ecological Urbanism: Alternative and Sustainable Cities of the Future"**

is an exhibition organized around the premise that an ecological approach is urgently needed both as a remedial device for the contemporary city and an organizing principle for new cities. (Through May 17)  
 —Gund Hall Lobby, GSD, 48 Quincy St. Free and open to the public.  
[www.gsd.harvard.edu/events/exhibitions/current.htm](http://www.gsd.harvard.edu/events/exhibitions/current.htm).

**Graduate School of Education "What Do We Learn by Participating in the Arts?"**

features sharing from students, teachers, and artists in schools throughout Massachusetts who participate in Very Special Artists — a program in which experienced teaching artists collaborate with classroom teachers to create arts-integrated learning experienced for students with and without disabilities. (April 27-May 4)

—Gutman Library, HGSE. (617) 495-4225, [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. (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)

**"Dodos, Trilobites, & Meteorites: Treasures of Nature and Science at Harvard"** features hundreds of speci-

mens 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)

"Evolution" is an exhibition of life's major transitions — the move from water to land and human origins, inviting visitors to examine the fossil, anatomical, and genetic evidence that reveals the shared evolutionary history of all life. Featuring animals and plants that sparked Darwin's theory, dramatic displays of diversity within species, and computer simulations to demonstrate how natural selection acts, "Evolution" will also offer behind-the-scenes looks at current evolution research at Harvard. (Ongoing)

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

**"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 Committee Members Show" features the artwork of Iris Chandler, Peter Mallen, Kathy Clark, Mimi Truslow, Alec Solomita, and Anne Aubrey. (Through May 22)  
 —Loeb House, 17 Quincy St. Call for hours. (617) 495-4313, [neighbors@harvard.edu](mailto:neighbors@harvard.edu).

**Holyoke Center**

"Color Forms" features photographs by George Ducharme exploring movement in its fractions of moments, blending together color and form shaped by light. (Through April 29)  
 —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.  
[www.georgeducharmephoto.com](http://www.georgeducharmephoto.com).

"Jamietron!" features pen, pencil, and crayon drawings by Jameson Violette, age 8, of people from TV shows and people in his life. Opening reception Friday, May 8, 5-7 p.m. (May 1-27)  
 —Holyoke Center Exhibition Space, Holyoke Center Arcade, 1350 Mass. Ave., 9 a.m.-7 p.m. Free and open to the public. (617) 495-5214.

**Houghton Library**

"Ever Westward: Sir Arthur Conan (Continued on next page)

(Continued from previous page)  
**Doyle and American Culture** commemorates the 150th anniversary of Doyle's birth and examines his life and most famous literary creation, Sherlock Holmes, with a special emphasis on their place in American culture. (May 5-Aug. 8)  
 —Edison and Newman Room, Houghton Library. (617) 496-4027.

**"Harvard's Lincoln"** celebrates the Lincoln bicentennial with an exhibition of books, manuscripts, broadsides, prints, ephemera, and artifacts from Harvard's Lincoln collection. (Through April 25)  
 —Edison and Newman Room, Houghton Library. (617) 496-4027.

**"Imitatio Christi"** focuses on this famed work of spiritual guidance from the time it was written in the 15th century into the modern age, with an emphasis on the context of the history of early painting. Curated by Jane Cheng as part of her senior thesis in History of Art and Architecture. (Through May 30)  
 —Amy Lowell Room, Houghton Library. (617) 495-2441.

**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.

**Landscape Institute**  
**"Eleanor M. McPeck: A Retrospective of Landscape Designs."** (Through April 23)  
 —Landscape Institute, 30 Chauncy St. (617) 495-8632, [www.landscape.arboretum.harvard.edu](http://www.landscape.arboretum.harvard.edu).

**"Recording Climate Change ... Paintings and Journal Pages from the Arctic: Alaska and Baffin Island"** features the work of Clare Walker Leslie. An opening reception will be held Thu., April 30, at 5:30 p.m. RSVP to [landscape@arnarb.harvard.edu](mailto:landscape@arnarb.harvard.edu). (April 28-May 21)  
 —Landscape Institute, 30 Chauncy St. (617) 495-8632, [www.landscape.arboretum.harvard.edu](http://www.landscape.arboretum.harvard.edu).

**Loeb Music Library**  
**"Nadia Boulanger and Her American Composition Students"** focuses on Nadia Boulanger, one of the foremost composition teachers of the 20th century, especially her American ties and her influence on generations of American composers. [www.crosscurrents08-09.org](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**  
**"Avenue Patrice Lumumba: Photographs by Guy Tillim"** features photographs of Tillim's travels to Angola, Mozambique, Congo, and Madagascar to document the grand colonial architecture and how it has become a part of a contemporary African stage. An opening reception will be held Wed., April 29, at 5 p.m. (April 29-Sept. 8)

**"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. (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)

**"Pacific Islands Hall"** features a diverse array of artifacts brought to the museum by Boston's maritime trade merchants. (Ongoing)

**"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)

**"Wiyohpiyata: Lakota Images of the Contested West"** explores the meanings of a unique 19th century "artist's book" filled with colored drawings by Indian warriors, probably Lakota Indians, recovered by the U.S. Army from the battlefield after the 1876 Little Big Horn fight, in which George Armstrong Custer was defeated by the Sioux and Cheyenne. (Through August 2011)

—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**  
**"Diaghilev's Ballets Russes, 1909-1929: Twenty Years that Changed the World of Art"** features more than 200 original documents and art works in the Harvard Theatre Collection. See also conferences for related symposium. For a complete list of events, visit [http://hcl.harvard.edu/libraries/Houghton/Diaghilev\\_symposium.html#events](http://hcl.harvard.edu/libraries/Houghton/Diaghilev_symposium.html#events). (Through Aug. 28)  
 —Pusey Library. Open weekdays, 9 a.m.-5 p.m.

**"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. (Through 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

April 30



Photo by Britt Leckman



Photo by Michael Marsland

Randall S. Kroszner (left) of the University of Chicago and Robert J. Shiller (right) of Yale University will debate on 'Re-Regulating the U.S. Financial Markets: What Should We Do Once the Recession is Over?' Thursday, April 30. Sponsored by the Economics Department, the event will take place in room 105, Emerson Hall, at 2 p.m. and is free and open to the public. See social sciences, page 26, for details.

May 2009)  
 —Pusey Library corridor, including the Theodore Roosevelt Gallery. Mon.-Fri., 9 a.m.-4:45 p.m. (617) 384-7938.

**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.

## lectures

### art/design

Thu., April 23—**"Matthias Sauerbruch and Matthias Schuler in Conversation."** (GSD) Matthias Sauerbruch, Sauerbruch Hutton; Matthias Schuler, Transsolar. Piper Auditorium, GSD, 48 Quincy St., 6:30 p.m. Free and open to the public.

Thu., April 23—**"A Media Archaeology of Boston."** (Cambridge Talks, Ph.D.

Program at GSD, Film Study Center) A one-night sound, film, and video exhibition presenting an excavation of Boston's spaces through a montage of short films, photographs, and more. Lecture Hall, Carpenter Center, 24 Quincy St., 7 p.m. Reception to follow in the Sert Gallery. (617) 495-9704, [www.cambridge-talks.org](http://www.cambridge-talks.org).

Fri., April 24—**"Cambridge Talks III: Mediated Space."**

(GSD) Panel discussion. Piper Auditorium, Gund Hall, GSD, 48 Quincy St., 10 a.m. Free and open to the public.

Sat., April 25—**"Cambridge Talks III: Emerging Perspectives."** (GSD) Panel discussion. Room 110 & 111, Gund Hall, GSD, 48 Quincy St., 10 a.m. Free and open to the public.

Sat., April 25—**"Third Coast Audio Festival Listening Room."** (GSD) Listening room of pieces exploring the sonic landscapes of cities. Piper Auditorium, Gund Hall, GSD, 48 Quincy St., 6 p.m. Free and open to the public.

Tue., April 28—**"NOW?"** (GSD) Shohei Shigematsu in conversation with Mohsen Mostafavi, dean, GSD. Room 112, Gund Hall, GSD, 48 Quincy St., noon. Free and open to the public.

Tue., April 28—**"Discussion with John C. Cushman III."** (Real Estate Academic Initiative, GSD) John C. Cushman III, chairman of the board, Cushman and Wakefield. Piper Auditorium, Gund Hall, GSD, 48 Quincy St., 6 p.m. Free and open to the public; seating is limited and registration is required no later than April 27 at [www.reai.harvard.edu](http://www.reai.harvard.edu).

Wed., April 29—**"Gallery Talk & Book Signing."** (Peabody Museum) Guy Tillim, documentary still photographer. Peabody Museum, 11 Divinity Ave., 5:45 p.m. Free and open to the public. See also exhibitions.

Wed., April 29—**"To Weave a Palace: Architecture and Ornament at Chan Chan, Peru."** (Art Museum) Talk by Joanne Pillsbury. Sackler Museum, 485 Broadway, 6 p.m. [www.harvardartmuseum.org](http://www.harvardartmuseum.org).

Thu., April 30—**"Sacred Sites: 19th Century Photographs of Jerusalem."** (Art Museum) Talk by Michelle Lamunière and Penley Knipe. Sackler Museum, 485 Broadway, 3:30 p.m. [www.harvardartmuseum.org](http://www.harvardartmuseum.org).

Thu., April 30—**"Ballets Russes Luxe: Public Viewing and Lecture."** (Harvard Theatre Collection) Fredric Woodbridge Wilson, museum curator, Harvard Theatre Collection. Forum Room, Lamont Library, Harvard Yard, 4 p.m. Following the lecture there will be a special public viewing of the Pusey Library exhibit at 5 p.m. Free and open to the public.

Thu., April 30—**"Felines in Islamic Art and Culture: An Entertainment."** (Prince Alwaleed Bin Talal Islamic Studies Program) Roy P. Mottahedeh, Harvard University. Room 105, Emerson Hall, 25 Quincy St., 5:30 p.m.

Thu., April 30—**"What Were Roman Emperors Really Called? Coins as Models of Dissemination."** (Art Museum) Talk by Andrew Burnett. Sackler Museum, 485 Broadway, 6 p.m. [www.harvardartmuseum.org](http://www.harvardartmuseum.org).

Thu., April 30—**"The Church of What's Happening Now, New Art, New Artists:"**

**Phil Collins in Conversation with Lucien Castaing-Taylor and Helen Molesworth."** (Humanities Center, Art Museum) Phil Collins, artist. Room 202, Harvard Hall, 6 p.m. Free and open to the public; seating is limited. [www.harvardartmuseum.org](http://www.harvardartmuseum.org).

Thu., April 30—**"Darren Bader: An Evening with the Artist."** (Carpenter Center, Harvard Advocate) Darren Bader, artist. Room B04, Carpenter Center, 24 Quincy St., 6:30 p.m.

Fri., May 1—**"Where the Revolution Began: Lawrence and Anna Halprin and the Reinvention of Public Space."** (Loeb Lectures, GSD) Randy Gragg, editor-in-chief, Spaces magazine; Loeb Fellow. Piper Auditorium, GSD, 48 Quincy St., 6 p.m. Opening reception for exhibit "The Allston Corridor" to follow in Gund Hall lobby.

## business/law

Thu., April 23—**"Trends in Foreign Direct Investment Dispute Resolution in China."** (EALS) Wang Guiguo, City University of Hong Kong. Room 419, Pound Hall, HLS, 1557 Mass. Ave., noon.

Thu., April 23—**"Immigration Detention and Human Rights."** (Charles Hamilton Houston Institute, DRCLAS, Harvard Immigration Project) Film screening of "Detained," on the New Bedford factory raids, followed by a poetry reading by Everett Hoagland titled "Illegal' Immigrants & Legal Inhumanity." Panelists include Mayor Scott Lang, city of New Bedford, Ondine Galvez-Sniffin, Nancy Kelly, and John Wilshire-Correra. Free and open to the public. Refreshments provided. North classroom, Langdell Hall, HLS, 6:30 p.m. (617) 495-8285, [houstonevents@law.harvard.edu](mailto:houstonevents@law.harvard.edu), [www.charleshamiltonhoustoninst.org](http://www.charleshamiltonhoustoninst.org).

Fri., April 24—**"Examining Liberalism's Claim to Universality."** (CMES, Initiative on Contemporary State and Society in the Islamic World) Panelists Anne Norton, University of Pennsylvania; Michael C. Desch, University of Notre Dame; and Shahab Ahmed, Harvard University. Room K354, CGIS Knafel, 1737 Cambridge St., 11 a.m. <http://cmes.hmdc.harvard.edu>.

Mon., April 27—**"The Mother Too Hath Her Title: John Locke on Motherhood and Equality."** (Dean's Lecture Series, Radcliffe Institute) Jeremy Waldron, NYU. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 4 p.m. (617) 495-8600, [www.radcliffe.edu](http://www.radcliffe.edu).

Mon., April 27—**"Egypt After Mubarak: The Future of Egyptian Politics and the Muslim Brotherhood."** (CMES, Initiative on Contemporary State and Society in the Islamic World) Saad Eddin, Harvard University, with Noah Feldman, HLS. Room S020, CGIS South, 1730 Cambridge St., 5 p.m. <http://cmes.hmdc.harvard.edu>.

Mon., April 27—**"Housing as a Human Right."** (Committee on Human Rights Studies) Steve Meacham, CityLife/Vida Urbana; David Grossman, HLS; Tony Borich, HLS; Nick Hartigan, HLS; and moderator Kerry Rittich, University of Toronto. Ropes Gray Room, Pound Hall, HLS, 1557 Mass. Ave., 5:30 p.m. Free and open to the public.

Tue., April 28—**"Foreign Philanthropies in China: Evolution of China's Philanthropic Environment."** (Hauser Center) Peter Geithner, adviser, Asia Center, with respondent Xijin Jia, visiting fellow, Hauser Center. Charles Hotel Courtyard, 5 Bennett St., noon. [www.hks.harvard.edu/hauser/](http://www.hks.harvard.edu/hauser/).

Tue., April 28—**"Discussion with John C. Cushman III."** (Real Estate Academic Initiative, GSD) John C. Cushman III, chairman of the board, Cushman and Wakefield. Piper Auditorium, Gund Hall, GSD, 48 Quincy St., 6 p.m. Free and open to the public; seating is limited

and registration is required no later than April 27 at [www.real.harvard.edu](http://www.real.harvard.edu).

Wed., April 29—**“Ethnic Conflicts in the Islamic Republic of Iran.”** (Islamic Legal Studies Program) Asghar Schirazi, visiting fellow, ILSP, Room 213, Pound Hall, HLS, 1557 Mass. Ave., 5 p.m. Refreshments to follow. (617) 496-3941.

Wed., April 29—**“The Amina Lawal Case: The Sleeping Fetus, Islamic Jurisprudence, and the Struggle for Women’s Rights in Nigeria.”** (CMES, Initiative on Contemporary State and Society in the Islamic World) Hauva Ibrahim, Radcliffe Institute, with discussants. Sperry Room, HDS, 45 Francis Ave., 5:15 p.m. <http://cmes.hmhc.harvard.edu>.

Wed., April 29—**“The First Tycoon.”** (Cambridge Forum) T.J. Stiles, author, discusses his new biography of Cornelius Vanderbilt. First Parish, 3 Church St., 7:30 p.m. Free and open to the public.

### conferences

Fri., April 24-Sat., April 25—**“Abraham Lincoln at 200: New Perspectives on His Life and Legacy.”** (Harvard College Libraries) Day 1: 1-10 p.m.; Day 2: 9 a.m.-10 p.m. Registration for the conference is no longer open. To view a full schedule, visit <http://hcl.harvard.edu/libraries/houghton/lincoln.html>.

Fri., April 24—**“Frontier Research in Cultural Sociology.”** (CES, Sociology) Panel 1: “Science-making and Sense-making” with Claude Rosenthal, visiting professor, Harvard University; Andrew Lakoff, visiting professor, Harvard University; and Kyoko Sato, postdoctoral fellow, Harvard University. Panel 2: “Cultural Institutions, Interactions, and Repertoires” with Ezster Hargitai, Northwestern University; Gabriel Rosman, visiting fellow, Harvard University; and Gerard Bouchard, WCFA. Lower level conference room, Busch Hall, CES, noon-5:30 p.m. RSVP to [hlatham@wjh.harvard.edu](mailto:hlatham@wjh.harvard.edu) if joining the noon lunch. Free and open to the public. [www.ces.fas.harvard.edu](http://www.ces.fas.harvard.edu).

Fri., April 24—**“The 8th Annual Jonathan Freeman Symposium.”** (Department of Infectious Disease Epidemiology, HSPH) Featuring brief talks on ongoing research by members of Freeman’s family, and students and staff of the ID/Epidemiology program, followed by poster presentations by HSPH members. Session 1: Room G12, FXB Building, 651 Huntington Ave., 1:30 p.m.-3:30 p.m. Session 2: Poster presentations and reception. FXB Atrium, 677 Huntington Ave., 3:30 p.m.-6 p.m. RSVP at [lcoventr@hsph.harvard.edu](mailto:lcoventr@hsph.harvard.edu). Free and open to the public.

Sat., April 25—**“The Negotiation and Leadership Conference 2009.”** (Harvard Extension School’s Service & Leadership Society, HLS’s Program on Negotiation, Harvard Association for Law & Business, HBS Caribbean Business Club) This year’s symposium theme is “Strategy & Ethics in Negotiations.” Featuring keynote addresses by Howard Raffia, HBS and HKS; Larry Susskind, PON; and Ben Heineman Jr., senior vice president, GE. Other speakers include Eric Green, Bruce Hay, Charles Craver, John Richardson, and others. Room B103, Northwest Science Building, 52 Oxford St., 9 a.m.-5:30 p.m. Admission is \$10 and includes lunch, refreshments, and parking in Oxford Street garage. Register by April 22; early registration ensures premium seating for the first 250 registrants. There will be free book giveaways for early registrants. <http://people.dce.harvard.edu/~hesls>.

Thu., April 30—**Spring 2009 Middle East Strategy at Harvard Conference. “Iran: Threat, Challenge, or Opportunity?”** (WCFA, Olin Institute) Room S020, CGIS South, 1730 Cambridge St., 4 p.m.-6:45 p.m. (617)



496-5495, [atownes@wcfa.harvard.edu](mailto:atownes@wcfa.harvard.edu), <http://blogs.law.harvard.edu/mesh/2009/04/iran-conference/>.

Thu., April 30-Fri., May 1—**“HMS Dean’s Symposium on Clinical and Translational Research.”** (Harvard Catalyst, HMS) Two-day symposium bringing the Harvard community together to celebrate clinical and translational research. All members of the Harvard community are invited to attend. Events take place at various locations and times; see Web site for full details: <http://catalyst.harvard.edu/services/deanssymposium.html>. Registration strongly suggested.

Thu., April 30-Sat., May 2—**“Poverty, Justice, and Jobs Think Tank.”** (Houston Institute for Race and Justice, Advanced Leadership Initiative) Day 1: “Poverty & Politics: Getting the Bottom on the Top Leadership Agenda” with keynote speakers Hon. Edward G. Rendell, governor of Pennsylvania, and Hon. Manuel A. Diaz, mayor of Miami and president of U.S. Conference of Mayors. Day 2: “The Faces of Poverty: Urban/Rural, Local/Global, Same/Different” with keynote Jeffrey Sachs, director, Earth Institute, Columbia University, with commentary by Robert Kuttner, editor, American Prospect. “Transforming Communities: Smarter Solutions” with Rev. Al Sharpton, and others. Day 3: Introduction to day’s events with Charles J. Ogletree Jr. and Rosabeth Moss Kanter. “From Disaster to Transformation: Hurricane Katrina and the Reinvention of Communities in Louisiana”; “Filling Leadership Gaps, Taking Action: From One Solution to Scaling Impact”; “The Politics of Positive Action” with Hon. Donna Shalala, president, University of Miami. Various times and locations. For a complete list of events and speakers, [www.charleshamiltonhouston.org](http://www.charleshamiltonhouston.org).

Fri., May 1-Sat., May 2—**“Crossroads: The Future of Human Life in the Universe Conference.”** (CFA, Origins of Life Initiative, and others) Day 1: “What Is Life?” by Andy Knoll; “The Drake Equation 2009” by Frank Drake; “Earths, Super-Earths, and the Fermi Paradox” with Dimitar Sasselov; “How to Find a Habitable Planet” by David Charbonneau; “Why Complex Life is Uncommon in the Universe” by Peter Ward; and “Humans on Mars” by Maria Zuber; 8:30 a.m.-3:30 p.m. Day 2: “The Rise of Artificial Life” by J. Craig Venter; “The Medea Hypothesis” by Peter Ward; “New Shapes of Things to Come” by Juan Enriquez; “Reflections on Life in the Universe” by Freeman Dyson; 9 a.m.-noon. Satellite broadcast at Phillips Auditorium, CFA, 60 Garden St. Seating is first-come, first-served. Free admission. Live Webcast at <http://livevideo.harvard.edu/internal>. For speaker bios, directions/parking, and more, visit [www.crossroads-future.com](http://www.crossroads-future.com).

Fri., May 1-Sun., May 3—**“The People’s Republic of China at 60: An International Analysis.”** (Fairbank Center) Three-day symposium. Concourse level, CGIS South, 1730 Cambridge St. Registration required. To register and view complete list of speakers and schedule of events, visit [www.fas.harvard.edu/~fairbank/events/PRCat60\\_schedule.html](http://www.fas.harvard.edu/~fairbank/events/PRCat60_schedule.html).

Thu., May 7-Sat., May 9—**“Sir Arthur Conan Doyle: A Sesquicentennial Assessment.”** (Harvard College Libraries) Registration is now closed. For more information, visit [http://hcl.harvard.edu/libraries/houghton/doyle\\_symposium.html](http://hcl.harvard.edu/libraries/houghton/doyle_symposium.html).

### environmental sciences

Thu., April 30—**“A Delicate Balance.”** (Harvard College Vegetarian Society, Environmental Action Committee) Film screening of a new Australian-produced documentary on food, animal welfare, health, and the environment. Possible discussion with director/producer Aaron Scheibner to follow screening. Room 113, Sever Hall, 7:30 p.m. Snacks provided. Free and open to the public.

Fri., May 1—**“How Citizens Make Sense of Climate Change: The Effect of Local Weather on Beliefs about Global Warming.”** (CAPS) Patrick J. Egan, NYU. Room K262, CGIS Knafel, 1737 Cambridge St., 2 p.m. <http://caps.gov.harvard.edu>.

Wed., May 6—**“Beyond the Pollution Paradigm: Why We Can’t Leave Saving the Planet to the Environmentalists.”** (Cambridge Forum) Michael Shellenberger and Ted Nordhaus, authors. First Parish, 3 Church St., 7:30 p.m. Free and open to the public.

### ethics

Thu., April 23—**“Immigration Detention and Human Rights.”** (Charles Hamilton Houston Institute, DRCLAS, Harvard Immigration Project) Film screening of “Detained,” on the New Bedford factory raids, followed by a poetry reading by Everett Hoagland titled “‘Illegal’ Immigrants & Legal Inhumanity.” Panelists include Mayor Scott Lang, city of New Bedford, Ondine Galvez-Sniffin, Nancy Kelly, and John Wilshire-Correra. Free and open to the public. Refreshments provided. North classroom, Langdell Hall, HLS, 6:30 p.m. (617) 495-8285, [houstonevents@law.harvard.edu](mailto:houstonevents@law.harvard.edu), [www.charleshamiltonhoustoninst.org](http://www.charleshamiltonhoustoninst.org).

Mon., April 27—**“Housing as a Human Right.”** (Committee on Human Rights Studies) Steve Meacham, CityLife/Vida Urbana; David Grossman, HLS; Tony Borich, HLS; Nick Hartigan, HLS; and moderator Kerry Rittich, University of Toronto. Ropes Gray Room, Pound Hall,

HLS, 1557 Mass. Ave., 5:30 p.m. Free and open to the public.

### health sciences

Thu., April 23—**“Problems and Potentialities of Echocardiographic Diagnosis and Monitoring.”** (HMS) Balachundar Subramaniam, Beth Israel Deaconess Medical Center. Room 10, Harvard Faculty Club, 20 Quincy St., 7:45 a.m. Breakfast will be served.

Mon., April 27—**“Access to Affordability and Use of Medicines in China: Building Capacity in Light of National Health Care Reform.”** (Harvard China Fund) Anita Wagner, HMS. Room S153, CGIS South, 1730 Cambridge St., 4:15 p.m. Free and open to the public.

Wed., April 29—**“Paging God: Religion in the Halls of Medicine.”** (Radcliffe Institute) Wendy Cadge, fellow, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 3:30 p.m. (617) 495-8212, [www.radcliffe.edu](http://www.radcliffe.edu).

### Medical School

Tue., April 28—**“What We Can Learn from Bugs.”** (Microbiology & Molecular Genetics) John Clardy, HMS. Room 341, Warren Alpert Building, HMS, 200 Longwood Ave., 12:30 p.m. Coffee is served prior to the event at 12:15 outside the room. [shannon@hms.harvard.edu](mailto:shannon@hms.harvard.edu).

Thu., April 30-Fri., May 1—**“HMS Dean’s Symposium on Clinical and Translational Research.”** (Harvard Catalyst, HMS) Two-day symposium bringing the Harvard community together to celebrate clinical and translational research. All members of the Harvard community are invited to attend. Events take place at various locations and times; see Web site for full details: <http://catalyst.harvard.edu/services/deanssymposium.html>. Registration strongly suggested.

Tue., May 5—**“Predicting Virus Evolution.”** (Microbiology & Molecular Genetics) Paul Turner, Yale University. Room 341, Warren Alpert Building, HMS, 200 Longwood Ave., 12:30 p.m. Coffee is served prior to the event at 12:15 outside the room. [shannon@hms.harvard.edu](mailto:shannon@hms.harvard.edu).

### School of Public Health

Fri., April 24—**“Rapid Mechanotransduction in the Cytoplasm of a Living Cell.”** (Molecular and Integrative Physiological Sciences, HSPH) Ning Wang, University of Illinois, Urbana, Champaign. Room 1302, HSPH Building 1, 665 Huntington Ave., 9:30 a.m.

Fri., April 24—**“The 8th Annual Jonathan Freeman Symposium.”** (Department of Infectious Disease Epidemiology, HSPH) Featuring brief

## April 24

The Harvard Film Archive presents ‘Place Over Time: Recent Work by James Benning’ April 24-26, featuring Benning’s new film, ‘RR’ (U.S., 2007). Benning will be present for the screening Friday, April 24, at 7 p.m. Special event tickets are \$10. See film, page 21, for more information.

talks on ongoing research by members of Freeman’s family, and students and staff of the ID/Epidemiology program, followed by poster presentations by HSPH members. Session 1: Room G12, FXB Building, 651 Huntington Ave., 1:30 p.m.-3:30 p.m. Session 2: Poster presentations and reception. FXB Atrium, 677 Huntington Ave., 3:30 p.m.-6 p.m. RSVP at [lcoventr@hsph.harvard.edu](mailto:lcoventr@hsph.harvard.edu). Free and open to the public.

Mon., April 27—**“Epidemiology of Infectious Disease Talk.”** (HSPH) Talk by Chris King. Lecture title TBA. Room 907, Epidemiology Library, Kresge Building, HSPH, 677 Huntington Ave., 12:30 p.m. Lunch is provided.

Tue., April 28—**“Stretch-Induced MAPK Activation in Lung Fibroblasts and Receptor Tyrosine Kinases.”** (Molecular and Integrative Physiological Sciences) Francis Boudreault, research fellow, MIPS. Room 1302, Building 1, HSPH, 665 Huntington Ave., 9:30 a.m.

Wed., April 29—**“Race-Gendered Adolescence and Health.”** (Women, Gender, & Health Interdisciplinary Concentration, HSPH Global Chat) Talk by Laurie Nsiah-Jefferson. Room G11, FXB Building, HSPH, 651 Huntington Ave., 12:30 p.m. Lunch is provided. Free and open to the public.

Mon., May 4—**“Epidemiology of Infectious Disease Talk.”** (HSPH) Simin Meydani, Tufts University. Talk title TBA. Room 907, Epidemiology Library, Kresge Building, HSPH, 677 Huntington Ave., 12:30 p.m. Lunch is provided.

Tue., May 5—**“Role of Adiponectin in Ozone-Induced Pulmonary Inflammation.”** (Molecular and Integrative Physiological Sciences) David Kasahara, research fellow, MIPS. Room 1302, Building 1, HSPH, 665 Huntington Ave., 9:30 a.m.

Tue., May 5—**“Adolescent Mood & Sex.”** (Women, Gender, & Health Interdisciplinary Concentration) Lydia Shrier, physician, Children’s Hospital. Room G11, FXB Building, HSPH, 651 Huntington Ave., 12:30 p.m. Lunch is provided. Free and open to the public.

### humanities

Thu., April 23—**Jim Crow Good Neighbors: The Failed Promise of Black-Brown Solidarity. Lecture 3 of 3. “Black v. Brown and Brown v. Board.”** (Du Bois Institute) Neil Foley, University of Texas. Thompson Room, Barker Center, 12 Quincy St., 4 p.m. [www.dubois.fas.harvard.edu](http://www.dubois.fas.harvard.edu).

Thu., April 23—**“Spider Manchu: Duanfang and the Fiscal Priorities in** (Continued on next page)

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### New Qing China, 1900-1911."

(Fairbank Center, Modern History Seminars) Elya J. Zhang, Fordham University and postdoctoral fellow, Fairbank Center. Room S153, CGIS South, 1730 Cambridge St., 4 p.m. Free and open to the public. [www.fas.harvard.edu/~fairbank/events/Modern\\_History\\_Seminar.html](http://www.fas.harvard.edu/~fairbank/events/Modern_History_Seminar.html).

Thu., April 23—"Cultural Identity and Community in the Art of Boris Chaliapin." (Davis Center) Dassia Posner, postdoctoral fellow, Davis Center. Room S354, CGIS South, 1730 Cambridge St., 4:15 p.m.

Thu., April 23—"Experience Attenuated: The Proper End of the Liturgical Life." (HDS) Paul J. Griffiths, Duke Divinity School. Sperry Room, Andover Hall, HDS, 5:15 p.m. (617) 384-8394, [jmccullom@hds.harvard.edu](mailto:jmccullom@hds.harvard.edu).

Thu., April 23—"Unfinished Homecomings: Dislocated Memory and the Urge to Return." (Romance Languages and Literatures) Sylvia Molloy, New York University, with respondents Doris Sommer and Diana Sorensen. Room 202, Harvard Hall, 6 p.m. Free and open to the public. Seating is limited. [www.fas.harvard.edu/~rll](http://www.fas.harvard.edu/~rll).

Thu., April 23—"The Archaeology of Fiction: Nation, Culture, and Mary Shelley's 'The Last.'" (Humanities Center) Maria Koundoura, Emerson College. Room 133, Barker Center, 12 Quincy St., 6 p.m.

Thu., April 23—"Gods of the Earth: Understanding Folk Deities in India." (Sanskrit and Indian Studies) James Ponniah, University of California, Berkeley. Kresge Room, Barker Center, 12 Quincy St., 7:30 p.m.

Fri., April 24—"Old Lamps for New: Alexander Krein and Jewish Nationalism." (Music) Klara Moricz, Amherst College. Davison Room, Music Building, 10:30 a.m.

Fri., April 24—"Undergraduate Colloquium on Russian and Eurasian Studies." (Davis Center) Multidisciplinary research presentations and film screenings by advanced undergraduates from Harvard University and Wellesley and Wheaton Colleges. Concourse level, CGIS South, 1730 Cambridge St., 1 p.m.

Fri., April 24—"The Penal Code as a Structuring Principle in Ming and Qing Local Administration." (Fairbank Center, Humanities Center, EALC) Pierre-Etienne Will, Collège de France. Room 212, 2 Divinity Ave., 4 p.m.

Fri., April 24—"Shakespeare's Myth of Venus." (Humanities Center) Catherine Belsey, Swansea University. Room 133, Barker Center, 12 Quincy St., 6 p.m. Reception at 5:30 p.m.

Sat., April 25—"Himalayan Languages and Literatures." (Sanskrit and Indian Studies) Talk by Leonard van der Kuijp. Hall A, Science Center, 1 Oxford St., 3 p.m.

Sun., April 26—"Good Without God in Community: The Heart of Humanism." (Humanist Association, Humanist Chaplaincy) Greg Epstein, Humanist Chaplain, Harvard University. Phillips Brooks House, Harvard Yard, 1:30 p.m. Free and open to the public.

Mon., April 27—"Reading the Classics in the Age of Obama. Lecture 1 of 3. 'Frederick Douglass, Barack Obama, and the Search for Patrimony.'" (Du Bois Institute) Robert Stepto, Yale University. Thompson Room, Barker Center, 12 Quincy St., 4 p.m. [www.dubois.fas.harvard.edu](http://www.dubois.fas.harvard.edu).

Mon., April 27—"Literary Anthologies and Their Role in Shaping Ukrainian Identity." (HURI) Olena Haleta, Ivan

Franko National University of Lviv and Shklar Fellow, Ukrainian Research Institute. Room S050, CGIS South, 1730 Cambridge St., 4 p.m. [www.huri.harvard.edu](http://www.huri.harvard.edu).

Mon., April 27—"From the Heart: The Workings of Xin in Early Chinese Thought." (Humanities Center) Andrew Plaks, Princeton University. Common Room, 2 Divinity Ave., 4 p.m.

Mon., April 27—"Begging, Pleading, and Supplicating: Speech Representations in Phoenix's Speech to Achilles ('Iliad' 9.434-605)." (Classics) Deborah Beck, Swarthmore College. Room 114, Barker Center, 12 Quincy St., 5 p.m.

Mon., April 27—"Engraving the Savage: The New World and Techniques of Civilization." (Humanities Center) Michael Gaudio, University of Minnesota, discusses his book. Room 133, Barker Center, 12 Quincy St., 5 p.m. Pre-circulated paper at [www.fas.harvard.edu/~humcentr/seminars/precirculatedpapers.shtml](http://www.fas.harvard.edu/~humcentr/seminars/precirculatedpapers.shtml).

Mon., April 27—"Enchanted Hunters: The Mystery and Beauty of Horror in Childhood Reading." (Humanities Center) Maria Tatar in conversation with Homi Bhabha, followed by screening of "Pan's Labyrinth." Brattle Theatre, 6 p.m. Tickets for the talk are \$5, available at Harvard Book Store; tickets for film are available at Brattle Theatre. Seating is limited. [www.fas.harvard.edu/~humcentr](http://www.fas.harvard.edu/~humcentr).

Mon., April 27—"Gentlemen Prefer Typists: Anita Loos and Modernism's Problem with Pleasure." (Humanities Center) Laura Frost, The New School. Room 133, Barker Center, 12 Quincy St., 6:30 p.m.

Tue., April 28—"Analyzing the 2009 Presidential Elections in El Salvador." (DRCLAS, WCFA) Jocelyn Viterna, Harvard University. Room S250, CGIS South, 1730 Cambridge St., noon. Opportunity for questions and comments to follow the presentation. [smtesor@fas.harvard.edu](mailto:smtesor@fas.harvard.edu).

Tue., April 28—"Reading the Classics in the Age of Obama. Lecture 2 of 3. 'W.E.B. Du Bois, Barack Obama, and the Search for Race.'" (Du Bois Institute) Robert Stepto, Yale University. Thompson Room, Barker Center, 12 Quincy St., 4 p.m. [www.dubois.fas.harvard.edu](http://www.dubois.fas.harvard.edu).

Tue., April 28—"Sardis Under the Achaemenid Satraps." (Classics, Humanities Center) Nick Cahill, University of Wisconsin, Madison. Room 133, Barker Center, 12 Quincy St., 4 p.m.

Tue., April 28—"Negative Eschatology and Interfaith Dialogue." (CSWR) Thomas Halik, Charles University, Prague. Sperry Room, Andover Hall, HDS, 45 Francis Ave., 5:15 p.m. [www.hds.harvard.edu/cswr/events/calendar.html](http://www.hds.harvard.edu/cswr/events/calendar.html).

Tue., April 28—"La magia di Giuseppe Arcimboldo." (Romance Languages and Literatures) Liana Cheney, UMass Lowell. Room 133, Barker Center, 12 Quincy St., 7:30 p.m. [www.fas.harvard.edu/~rll](http://www.fas.harvard.edu/~rll).

Wed., April 29—"Blazing at Midnight: Slave Rebellion and Social Identity in U.S. and Cuban Culture." (Du Bois Institute) David Luis-Brown, University of Miami. Thompson Room, Barker Center, 12 Quincy St., noon. [www.dubois.fas.harvard.edu](http://www.dubois.fas.harvard.edu).

Wed., April 29—"Reading the Classics in the Age of Obama. Lecture 3 of 3. 'Toni Morrison and Barack Obama: Playing With Difference.'" (Du Bois Institute) Robert Stepto, Yale University. Thompson Room, Barker Center, 12 Quincy St., 4 p.m. [www.dubois.fas.harvard.edu](http://www.dubois.fas.harvard.edu).

Wed., April 29—"In Other Wor(l)ds: An International Group of Writers on Home, Exile, and War." (Lamont Library) Shahriar Mandanipour, Mayselun Hadi, Xue Di, Pablo Medina, and Pierre Mujomba. The countries represented by this group of writers are Iran, Iraq, China, Cuba, D.R. Congo, and Burma, respectively. Forum Room, Lamont Library, 4 pm. The discussion will be followed by a question-and-answer session.

## April 28



John C. Cushman III, chairman of the board of Cushman and Wakefield, will speak Tuesday, April 28, in Piper Auditorium, Gund Hall, GSD, 48 Quincy St., at 6 p.m. Sponsored by the Real Estate Academic Initiative, the event is free and open to the public but seating is limited and registration is required no later than April 27 at [www.reai.harvard.edu](http://www.reai.harvard.edu).

Wed., April 29—"Dante and the Making of a Modern Author." (Romance Languages and Literatures, DeBosis Colloquium) Albert Ascoli, University of California, Berkeley, with respondents Adoyo Owuor and Maiko Favaro. Room G07, Boylston Hall, 4 p.m. Free and open to the public. [www.fas.harvard.edu/~rll](http://www.fas.harvard.edu/~rll).

Wed., April 29—"Jews, Catholics, and the Origins of Modern Anti-Semitism in the Age of the French Kulturkampf, 1870-1886." (CES) Vicki Caron, fellow, Radcliffe Institute. Cabot Room, Busch Hall, CES, 4:15 p.m. [phylisalbert@gmail.com](mailto:phylisalbert@gmail.com), [www.ces.fas.harvard.edu](http://www.ces.fas.harvard.edu).

Wed., April 29—"Power Relations and Strategies in the Creation of the Shang City in Anyang." (Anthropology, East Asian Languages and Civilizations, Asia Center, GSAS) Zhichun Jing, University of British Columbia. Room 14A, Peabody Museum, 11 Divinity Ave., 5 p.m. [miller9@fas.harvard.edu](mailto:miller9@fas.harvard.edu).

Wed., April 29—"Indomania at Versailles in 1788." (Humanities Center) Meredith S. Martin, Wellesley College. Room 133, Barker Center, 12 Quincy St., 5:30 p.m.

Wed., April 29—"Pour qui écrit-on?" (Romance Languages and Literatures) J.M.G. Le Clézio, French writer and Nobel laureate. Thompson Room, Barker Center, 12 Quincy St., 6 p.m. Lecture in French.

Wed., April 29—"Social Dissolution: Article 145 of the Medical Federal Penal Code in International Context, 1941-1970." (DRCLAS) Halbert Jones, U.S. Department of State. Room S250, CGIS South, 1730 Cambridge St., 6 p.m. Copies of the papers are available one week in advance of talk. E-mail [karl@fas.harvard.edu](mailto:karl@fas.harvard.edu). [www.drclas.harvard.edu](http://www.drclas.harvard.edu).

Wed., April 29—"A Brain Odyssey." (Humanities Center) Allan Hobson, HMS. Room 133, Barker Center, 12 Quincy St., 7:30 p.m.

Thu., April 30—"Ballets Russes Luxe: Public Viewing and Lecture." (Harvard Theatre Collection) Fredric Woodbridge Wilson, museum curator, Harvard Theatre Collection. Forum Room, Lamont Library, Harvard Yard, 4 p.m. Following the lecture there will be a special public viewing of the Pusey Library exhibit at 5 p.m. Free and open to the public.

Thu., April 30—"Remembering and Forgetting the Greek Civil War: Individual and Collective Memory of the December 1944 Events." (CES) Maria Couroucli, Université de Paris-X, Nanterre. Cabot Room, Busch Hall, CES, 4:15 p.m. [herzfeld@wjh.harvard.edu](mailto:herzfeld@wjh.harvard.edu), [www.ces.fas.harvard.edu](http://www.ces.fas.harvard.edu).

Thu., April 30—"Catherine's Retinue: Old Age and Historical Thought in Pushkin and Turgenev." (Davis Center) Luba Golburt, University of California, Berkeley. Room S354, CGIS South, 1730 Cambridge St., 4:15 p.m.

Thu., April 30—"Illustrated Narrative Between Central Asia and China." (Committee on Inner Asian and Altaic Studies) Victor Mair, University of Pennsylvania. Room S010, Tsai Auditorium, CGIS South, 1730 Cambridge St., 4:30 p.m. Free and open to the public. An informal reception will follow the lecture in the CGIS Public Gathering Room. [iaas@fas.harvard.edu](mailto:iaas@fas.harvard.edu).

Thu., April 30—"Interfaith Romance and Tragicomic Resolution in Robert Greene's 'Orlando Furioso.'" (Humanities Center) Jane Hwang Degenhardt, UMass Amherst. Room 133, Barker Center, 12 Quincy St., 5:30 p.m.

Thu., April 30—"The Church of What's Happening Now. New Art, New Artists: Phil Collins in Conversation with Lucien Castaing-Taylor and Helen Molesworth." (Humanities Center, Art Museum) Phil Collins, artist. Room 202, Harvard Hall, 6 p.m. Free and open to the public; seating is limited. [www.harvardartmuseum.org](http://www.harvardartmuseum.org).

Mon., May 4—"Freedom from Imagination." (Radcliffe Institute) Susan Stewart, poet and essayist. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 4 p.m. [www.radcliffe.edu](http://www.radcliffe.edu).

Mon., May 4—"Who Needs the Bullet When You've Got the Ballot: Black Power and African-American Big-City Mayors of the 1970s and 1980s." (Warren Center, Workshop on Race-Making and Law-Making in the Long Civil Rights Movement) Excerpt of book-length project by Matthew Countryman, University of Michigan and Warren Fellow. History Library, 1st floor, Robinson Hall, 4 p.m. Pre-circulated paper at [www.fas.harvard.edu/~cwc](http://www.fas.harvard.edu/~cwc). E-mail [lkennedy@fas.harvard.edu](mailto:lkennedy@fas.harvard.edu) for password.

Mon., May 4—"Taras Shevchenko and the Modern Ukrainian Literary Language: A Revisit and New Assessment." (HURI) Michael Moser, University of Vienna. Room S050, CGIS South, 1730 Cambridge St., 4 p.m. [www.huri.harvard.edu/calendar](http://www.huri.harvard.edu/calendar).

Mon., May 4—"Paul Tillich Lecture. 'The Open Universe and the Sacred.'" (HDS) Stuart A. Kauffman, HDS. The Memorial Church, 5:15 p.m. Free and open to the public.

(HDS) Stuart A. Kauffman, HDS. The Memorial Church, 5:15 p.m. Free and open to the public.

Tue., May 5—"Explaining Transformation: Material Miracles and Their Theorists in the Later Middle Ages." (History of Science) Caroline Bynum, Princeton University. Hall D, Science Center, 1 Oxford St., 6 p.m.

Tue., May 5—"The Conservative Turn: Lionel Trilling, Whittaker Chambers, and the Lessons of Anti-Communism." (Humanities Center) Michael Kimmage, Catholic University. Room 133, Barker Center, 12 Quincy St., 6 p.m.

Wed., May 6—"On Race Pleasure." (Du Bois Institute) Jennifer Nash, Harvard University. Thompson Room, Barker Center, 12 Quincy St., noon. [www.dubois.fas.harvard.edu](http://www.dubois.fas.harvard.edu).

Wed., May 6—"Portraits of Muhammad from Ghazan Khan to Kurt Westergaard." (Inner Asian and Altaic Studies) Johan Elverskog, Southern Methodist University. Room S050, CGIS South, 1730 Cambridge St., 1 p.m. Free and open to the public. Participants may bring their own lunches; snacks will be provided. [iaas@fas.harvard.edu](mailto:iaas@fas.harvard.edu).

Thu., May 7—"The Whitehead Lectures. Lecture 1 of 2. 'Causation in the Mind 1: Interventions on the Mind.'" (Philosophy) John Campbell, University of California, Berkeley. Room 105, Emerson Hall, 25 Quincy St., 4 p.m.

Fri., May 8—"The Whitehead Lectures. Lecture 2 of 2. 'Causation in the Mind 2' Control Variables." (Philosophy) John Campbell, University of California, Berkeley. Room 210, Emerson Hall, 25 Quincy St., 4 p.m.

## information technology

Wed., April 29—"Publish Your Portfolio or Other Great Works." (Harvard Technology Services) Seminar on Web publishing. Room B11, Science Center, 1 Oxford St., noon. Free; pizza lunch provided. Register at [andree\\_mendes@harvard.edu](mailto:andree_mendes@harvard.edu).

Thu., April 30—"IIC-CS Joint Colloquium." (IIC Colloquium) Jennifer Tour Chayes, Microsoft Research New England. Room 330, 60 Oxford St., 4 p.m.

## poetry/prose

Wed., April 29—"In Other Wor(l)ds: An International Group of Writers on Home, Exile, and War." (Lamont Library) Shahriar Mandanipour, Mayselun Hadi, Xue Di, Pablo Medina, and Pierre Mujomba. The countries represented by this group of writers are Iran, Iraq, China, Cuba, D.R. Congo, and Burma, respectively. Forum Room, Lamont Library, 4 pm. The discussion will be followed by a question-and-answer session.

Wed., April 29—"Poetry Reading." (English) Durs Grunbein, poet; introduced by Jorie Graham, poet, Harvard University. Room 105, Emerson Hall, 25 Quincy St., 6 p.m. Free and open to the public.

Thu., April 30—"The 2009 Harvard Arts Medal Ceremony Honoring Poet John Ashbery." (OfA, Board of Overseers of Harvard College) Actor John Lithgow '67 hosts event honoring poet John Ashbery '49; moderated by poet Dan Chiasson GSAS '01, Wellesley College; presented by Harvard President Drew Faust. New College Theatre, 10-12 Holyoke St., 5 p.m. Free admission; tickets required (limit 2 per person). Harvard Box Office (617) 496-2222, [www.boxoffice.harvard.edu](http://www.boxoffice.harvard.edu).

Mon., May 4—"Freedom from Imagination." (Radcliffe Institute) Susan Stewart, poet and essayist. Radcliffe Gymnasium, 10 Garden St.,

Radcliffe Yard, 4 p.m. www.radcliffe.edu.

Mon., May 4—**The Morris Gray Lecture. “A Reading by Denis Johnson.”** (English) Denis Johnson, novelist. Thompson Room, Barker Center, 12 Quincy St., 6 p.m. Free and open to the public.

**science**

Thu., April 23—**“Peering Beyond the Horizon with Axioms.”** (Loeb Lectures, Physics) David Kaplan, University of Washington. Room 250, Jefferson Hall, 2:30 p.m. Free and open to the public.

Thu., April 23—**Brains, Computers, and Minds. Lecture 3 of 3. “How Brains Become Minds: The Role of Cultural Software.”** (Mind/Brain/Behavior Initiative) Daniel C. Dennett, Tufts University. Yenching Auditorium, 2 Divinity Ave., 4 p.m. Free and open to the public. www.mbb.harvard.edu.

Sun., April 26—**“Learning from Live Animals: How Frogs Feed and Snakes Slither.”** (HMNH) Family program with Julie Vallimont. HMNH, 26 Oxford St., 2 p.m. Free and open to the public as part of the Cambridge Science Festival. www.hmnh.harvard.edu.

Wed., April 29—**“A Brain Odyssey.”** (Humanities Center) Allan Hobson, HMS. Room 133, Barker Center, 12 Quincy St., 7:30 p.m.

Thu., April 30—**“Life at the Front of an Expanding Population.”** (Program for Evolutionary Dynamics) David Nelson, Harvard University. 6th floor, 1 Brattle Square, 4 p.m. www.ped.fas.harvard.edu/events/seminar/.

Thu., April 30—**“Statistical Inference for Markov Chains Using Phi-divergence Measures: An Application to DNA Sequences.”** (Real Colegio Complutense) Nirian Martín, UCM. RCC, 26 Trowbridge St., 7:30 p.m. Lecture in English. Free and open to the public. www.realcolegio-complutense.harvard.edu.

Fri., May 1—**“Plant Biodiversity from Our Backyard to the Big Picture.”** (HMNH, Arnold Arboretum, and others) Peter Raven, botanist. Geological Lecture Hall, 24 Oxford St., 6 p.m. Free and open to the public. www.hmnh.harvard.edu.

Fri., May 1-Sat., May 2—**“Crossroads: The Future of Human Life in the Universe Conference.”** (CfA, Origins of Life Initiative, and others) Day 1: “What Is Life?” by Andy Knoll; “The Drake Equation 2009” by Frank Drake; “Earths, Super-Earths, and the Fermi Paradox” with Dimitar Sasselov; “How to Find a Habitable Planet” by David Charbonneau; “Why Complex Life is Uncommon in the Universe” by Peter Ward; and “Humans on Mars” by Maria

Zuber; 8:30 a.m.-3:30 p.m. Day 2: “The Rise of Artificial Life” by J. Craig Venter; “The Medea Hypothesis” by Peter Ward; “New Shapes of Things to Come” by Juan Enriquez; “Reflections on Life in the Universe” by Freeman Dyson; 9 a.m.-noon. Satellite broadcast at Phillips Auditorium, CfA, 60 Garden St. Seating is first-come, first-served. Free admission. Live Webcast at http://live-video.harvard.edu/internal. For speaker bios, directions/parking, and more, visit www.crossroads-future.com.

Mon., May 4—**Paul Tillich Lecture. “The Open Universe and the Sacred.”** (HDS) Stuart A. Kauffman, HDS. The Memorial Church, 5:15 p.m. Free and open to the public.

Tue., May 5—**“Explaining Transformation: Material Miracles and Their Theorists in the Later Middle Ages.”** (History of Science) Caroline Bynum, Princeton University. Hall D, Science Center, 1 Oxford St., 6 p.m.

Wed., May 6—**“Landmark-based Robust Speech Recognition.”** (Radcliffe Institute) Carol Espy-Wilson, fellow, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 3:30 p.m. (617) 495-8212, www.radcliffe.edu.

**social sciences**

Thu., April 23—**“Tibet in the 21st Century.”** (Asia Center) Jonathan Stivers, speaker of the U.S. House of Representatives, with discussant John Kenneth Knous, Fairbank Center. Moderated by Robert Thurman, Columbia University. Room S020, Belfer Case Study Room, CGIS South, 1730 Cambridge St., noon. **NOTE: This event has been postponed.**

Thu., April 23—**“Determinants of Regional Democracy Variations in Russia: Geography, Development, and the Forgotten Legacies of Western Engagement.”** (Davis Center) Tomilla Lankina, De Montfort University. Room S354, CGIS South, 1730 Cambridge St., 12:15 p.m.

Thu., April 23—**“Stalin’s Manipulation of Ukraine in His International Relations: Nationality, Population, and Territory, 1944-1949.”** (HURI) David Wolff, visiting scholar, Davis Center. Omeļjan Pritsak Memorial Library, HURI, 34 Kirkland St., 12:15 p.m.

Thu., April 23—**Seymour E. and Ruth B. Harris Lecture Series. “The Margins of Export: An Integrated Approach.”** (Economics) Marc Melitz, Princeton University. Room 104, Harvard Hall, 4 p.m. Free and open to the public.

Thu., April 23—**H.A.R. Gibb Arabic & Islamic Studies Lectures. To Travel the World: Journeys with Ibn Battutah. Lecture 3 of 3. “Posthumous Journeys: The Later Travels of Ibn Battutah and**

**his Rihlah.”** (CMES) Tim Mackintosh-Smith, author. Tsai Auditorium S010, CGIS South, 1730 Cambridge St., 4 p.m. http://cmes.hmhc.harvard.edu/node/1273.

Thu., April 23—**“Measuring Power: The View from Beijing.”** (Belfer Center’s International Security Program) Brown bag seminar with Jennifer Bulkeley, research fellow, ISP. Belfer Center Library, Littauer 369, HKS, 79 JFK St., 12:15 p.m. Coffee and tea provided. http://belfercenter.ksg.harvard.edu/events/3945/.

Thu., April 23—**“Spider Manchu: Duanfang and the Fiscal Priorities in New Qing China, 1900-1911.”** (Fairbank Center, Modern History Seminars) Elya J. Zhang, Fordham University and postdoctoral fellow, Fairbank Center. Room S153, CGIS South, 1730 Cambridge St., 4 p.m. Free and open to the public. www.fas.harvard.edu/~fairbank/events/Modern\_History\_Seminar.html.

Thu., April 23—**“Weathering the Economic Storm: Fostering Stability in Southeastern Europe.”** (Kokkalis Program) Miltiadis Varvitsiotis, deputy minister of foreign affairs, Greece. Room L140, Littauer Building, HKS, 79 JFK St., 4 p.m. Free and open to the public. www.hks.harvard.edu/kokkalis.

Thu., April 23—**“Sweating the Small Stuff: High-Performing Schools in the Inner-City.”** (Askwith Education Forum, HGSE) David Whitman, author, with various respondents. Askwith Lecture Hall, Longfellow Hall, HGSE, Appian Way, 5:30 p.m. Free and open to the public. monica\_nasser@gse.harvard.edu.

Thu., April 23—**“The Spread of Happiness and Well-Being Far and Wide in Social Networks.”** (Graduate Commons Program) Talk by Nicholas Christakis. West Common Room, 10 Akron St., 7 p.m. http://graduatecommons.hres.harvard.edu.

Thu., April 23—**“Psychosocial Characteristics of Politicians’ Leadership Styles During the Successful Transition to Democracy: The Spanish and Lithuanian Cases.”** (Real Colegio Complutense) Neringa Kalpokaite, UCM. Real Colegio Complutense, 26 Trowbridge St., 7:30 p.m. Lecture in English. Free and open to the public.

Fri., April 24—**“Examining Liberalism’s Claim to Universality.”** (CMES, Initiative on Contemporary State and Society in the Islamic World) Panelists Anne Norton, University of Pennsylvania; Michael C. Desch, University of Notre Dame; and Shahab Ahmed, Harvard University. Room K354, CGIS Knafel, 1737 Cambridge St., 11 a.m. http://cmes.hmhc.harvard.edu.

Fri., April 24—**“Games, Genes, and Politics.”** (CES) James Fowler,

University of California, San Diego. Cabot Room, Busch Hall, CES, 2:15 p.m. No advance paper for this seminar. Free and open to the public. phall@fas.harvard.edu, www.ces.fas.harvard.edu.

Sat., April 25—**“Being an Official: The Sale of Public Offices and its Effects in Comparative Perspective.”** (Fairbank Center) Pierre-Etienne Will, William Doyle, Robert Kent Guy, Jane Kate Leonard, Dai Yingcong, Susan Richter, Nicolas Schillinger, Peter Trummer, and others. Room S050, CGIS South, 1730 Cambridge St., 8:50 a.m.-5 p.m. (617) 495-4046, www.fas.harvard.edu/~fairbank/events.

Sat., April 25—**“Does the Party Still Control the Message?”** (Fairbank Center) Panelists Mary Gallagher, University of Michigan; Zhan Jiang, China Youth Political University; Benjamin Liebman, Columbia University; and Christopher Walker, Freedom House. Room S020, CGIS South, 1730 Cambridge St., 4:30 p.m. Free and open to the public. (617) 495-4046, www.fas.harvard.edu/~fairbank/events.

Sun., April 26—**“Good Without God in Community: The Heart of Humanism.”** (Humanist Association, Humanist Chaplaincy) Greg Epstein, Humanist Chaplain, Harvard University. Phillips Brooks House, Harvard Yard, 1:30 p.m. Free and open to the public.

Mon., April 27—**“The Mother Too Hath Her Title’: John Locke on Motherhood and Equality.”** (Dean’s Lecture Series, Radcliffe Institute) Jeremy Waldron, NYU. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 4 p.m. (617) 495-8600, www.radcliffe.edu.

Mon., April 27—**“Egypt After Mubarak: The Future of Egyptian Politics and the Muslim Brotherhood.”** (CMES, Initiative on Contemporary State and Society in the Islamic World) Saad Eddin, Harvard University, with Noah Feldman, HLS. Room S020, CGIS South, 1730 Cambridge St., 5 p.m. http://cmes.hmhc.harvard.edu.

Tue., April 28—**“Serbia’s Economy: Challenges and Opportunities.”** (Kokkalis Program) H.E. Mladjan Dinkic, deputy prime minister, Serbia. Allison Dining Room, fifth floor, Taubman Building, HKS, 79 JFK St., 4 p.m. Free and open to the public. www.hks.harvard.edu/kokkalis.

Tue., April 28—**“The Rise of Legalism in Japan’s Foreign Trade Politics.”** (Program on U.S.-Japan Relations) Saadia M. Pekkanen, University of Washington. Bowie-Vernon Room, CGIS Knafel, 1737 Cambridge St., 12:30 p.m. Lunch will be available for purchase in the Fisher Family Commons on the first floor. www.wcfia.harvard.edu/us-japan/.

Tue., April 28—**“Negative Eschatology and Interfaith Dialogue.”** (CSWR) Thomas Halik, Charles University, Prague. Sperry Room, Andover Hall, HDS, 45 Francis Ave., 5:15 p.m. www.hds.harvard.edu/cswr/events/calendar.html.

Wed., April 29—**“Reform Policy Networks — Towards Governance of Administrative Reforms in Germany and Japan” and “What’s the Matter with the E.U. ‘Going Local’? A Comparative View on decentralization in the E.U. and the U.S.”** (CES) Bjoern Niehaves and Fernanda Nicola, visiting scholars, CES. Cabot Room, Busch Hall, 12:15 p.m. art.goldhammer@gmail.com, www.ces.fas.harvard.edu.

Wed., April 29—**“Winning Muslim Hearts and Minds: Mapping Entrenchment of Anti-American Sentiment in the Islamic World.”** (CMES) Lisa Blyaydes, WCFIA. Room 102, 38 Kirkland St., 12:30 p.m. Free and open to the public. http://cmes.hmhc.harvard.edu.

Wed., April 29—**“Paging God: Religion in the Halls of Medicine.”** (Radcliffe Institute) Wendy Cadge, fellow, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 3:30 p.m. (617) 495-8212, www.radcliffe.edu.

Wed., April 29—**“Jews, Catholics, and the Origins of Modern Anti-Semitism in the Age of the French Kulturkampf, 1870-1886.”** (CES) Vicki Caron, fellow, Radcliffe Institute. Cabot Room, Busch Hall, 4:15 p.m. phyllisalbert@gmail.com, www.ces.fas.harvard.edu.

Wed., April 29—**“Turkey: Plans, Pipelines, and Politics.”** (Seminar on Turkey in the Modern World, WCFIA, CMES) Carol Saivetz, Davis Center. Room N262, CGIS Knafel, 1737 Cambridge St., 4:30 p.m.

Wed., April 29—**“Children Left Behind: A Documentary about High Stakes Testing.”** (HGSE) Film screening and talk by Louis Kruger, producer. Askwith Lecture Hall, 13 Appian Way, 5 p.m.

Wed., April 29—**“Ethnic Conflicts in the Islamic Republic of Iran.”** (Islamic Legal Studies Program) Asghar Schirazi, visiting fellow, ILSP. Room 213, Pound Hall, HLS, 1557 Mass. Ave., 5 p.m. Refreshments to follow. (617) 496-3941.

Wed., April 29—**“Power Relations and Strategies in the Creation of the Shang City in Anyang.”** (Anthropology, East Asian Languages and Civilizations, Asia Center, GSAS) Zhichun Jing, University of British Columbia. Room 14A, Peabody Museum, 11 Divinity Ave., 5 p.m. miller9@fas.harvard.edu.

Wed., April 29—**“The Amina Lawal Case: The Sleeping Fetus, Islamic Jurisprudence, and the Struggle for Women’s Rights in Nigeria.”** (CMES, Initiative on Contemporary State and Society in the Islamic World) Hauva Ibrahim, Radcliffe Institute, with discussants. Sperry Room, HDS, 45 Francis Ave., 5:15 p.m. http://cmes.hmhc.harvard.edu.

Wed., April 29—**“The First Tycoon.”** (Cambridge Forum) T.J. Stiles, author, discusses his new biography of Cornelius Vanderbilt. First Parish, 3 Church St., 7:30 p.m. Free and open to the public.

Thu., April 30—**“Soviet Patriotism and the Problem of Identities in the Postwar Ukrainian Intelligentsia.”** (HURI) Benjamin Tromly, postdoctoral fellow, Davis Center. Omeļjan Pritsak Memorial Library, HURI, 34 Kirkland St., 12:15 p.m.

Thu., April 30—**“The Problem with Making Friends: Alliance Constraints & Foreign-Imposed Regime Change.”** (Belfer Center’s International Security

(Continued on next page)



**April 28**

‘The Origin Cycle’ is a classical music performance by the Firebird Ensemble (left) and soprano Jane Sheldon on Tuesday, April 28, at the Harvard Museum of Natural History, 26 Oxford St., at 7 p.m. Tickets are \$12 general; \$10 students/Harvard ID/HMNH members; free for Harvard students. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

(Continued from previous page)

Program) Brown bag seminar with Melissa Willard-Foster, research fellow, ISP. Belfer Center Library, Littauer 369, HKS, 79 JFK St., 12:15 p.m. Coffee and tea provided. <http://belfercenter.ksg.harvard.edu/events/3953/>.

Thu., April 30—“**Building the Rebuilt: The Politics of Reconstruction in the Middle East.**” (CMES) Husam Zomlot, visiting fellow, CMES. Room 102, 38 Kirkland St., 12:30 p.m. Free and open to the public. <http://cmes.hmdc.harvard.edu>.

Thu., April 30—“**Seeing Like a Citizen: International Perspectives on Deepening Democracy.**” (Hauser Center, Ash Institute) John Gaventa, University of Sussex, and Vera Coelho, visiting fellow, Hauser Center; moderated by Archon Fung, HKS. Room 324, Littauer Building, HKS, 79 JFK St., 1:30 p.m. Free and open to the public.

Thu., April 30—**Alvin Hansen Symposium on Public Policy. “Re-Regulating the U.S. Financial Markets: What Should We Do Once the Recession is Over?”** (Economics) Debate with Randall S. Kroszner, University of Chicago, and Robert J. Shiller, Yale University. Debate will be followed by comments by Benjamin M. Friedman, Harvard University; Robert C. Pozen, MFS Investment Management; Hal S. Scott, HLS; and George C. Kaufman, Loyola University Chicago Graduate School of Business. Room 105, Emerson Hall, 2 p.m. Free and open to the public.

Thu., April 30—**Spring 2009 Middle East Strategy at Harvard Conference. “Iran: Threat, Challenge, or Opportunity?”** (WCFA, Olin Institute) Room S020, CGIS South, 1730 Cambridge St., 4 p.m.-6:45 p.m. (617) 496-5495, [atownes@wcfa.harvard.edu](mailto:atownes@wcfa.harvard.edu), <http://blogs.law.harvard.edu/mesh/2009/04/iran-conference/>.

Thu., April 30—“**Molotov and the Cold War: A Revisionist View.**” (Davis Center) Geoffrey Roberts, University College, Cork. Room S450, CGIS South, 1730 Cambridge St., 4:15 p.m.

Thu., April 30—“**Felines in Islamic Art and Culture: An Entertainment.**” (Prince Alwaleed Bin Talal Islamic Studies Program) Roy P. Mottahedeh, Harvard University. Room 105, Emerson Hall, 25 Quincy St., 5:30 p.m.

Thu., April 30—**2009 Lowell Lecture. “Obama’s Challenge: Prospects for Economic Success.**” (Harvard Extension School) Robert Kuttner, author. Room 105, Emerson Hall, 25 Quincy St., 8 p.m.

Fri., May 1—“**China’s Think Tanks: Roles and Implications for the Civil Society in China.**” (Hauser Center) James G. McGann, University of Pennsylvania, with respondent Xufeng Zhu, visiting scholar, Yenching Institute. NYE C, Taubman Building, HKS, 79 JFK St., 11 a.m. [www.hks.harvard.edu/hauser](http://www.hks.harvard.edu/hauser).

Fri., May 1—“**Flexible Personhood: Loving Animals as Family Members in Israel.**” (CMES) Dafna Shir-Vertesh, Ben Gurion University, postdoctoral fellow, CMES. Room 354, CGIS Knafel, 1737 Cambridge St., noon. Free and open to the public. <http://cmes.hmdc.harvard.edu>.

Fri., May 1—“**How Citizens Make Sense of Climate Change: The Effect of Local Weather on Beliefs about Global Warming.**” (CAPS) Patrick J. Egan, NYU. Room K262, CGIS Knafel, 1737 Cambridge St., 2 p.m. <http://caps.gov.harvard.edu>.

Mon., May 4—“**Sacred Empire: American Missionaries and Filipino Muslims, 1898-1913.**” (Belfer Center’s International Security Program) Brown bag seminar with Karine Walther,

research fellow, ISP/Initiative on Religion in International Affairs/Dubai Initiative. Kalb Seminar Room 275, Taubman Building, HKS, 79 JFK St., 12:15 p.m. Coffee and tea provided. <http://belfercenter.ksg.harvard.edu/events/3951/>.

Mon., May 4—“**Turkey’s Transport and Telecommunications Sector on the Road to European Union Membership: Challenges and Opportunities.**” (Kokkalis Program) H.E. Binali Yildirim, minister of transport and telecommunications, Turkey. Room L140, Littauer Building, HKS, 79 JFK St., 4 p.m. Free and open to the public. [www.hks.harvard.edu/kokkalis](http://www.hks.harvard.edu/kokkalis).

Tue., May 5—“**Childrearing and Childbearing in Two Chinese Cities.**” (Harvard China Fund) Vanessa Fong and Hirozaku Yoshikawa, HGSE. Room S153, CGIS South, 1730 Cambridge St., 4 p.m. Free and open to the public. [www.fas.harvard.edu/~hcf/seminars.html](http://www.fas.harvard.edu/~hcf/seminars.html).

Tue., May 5—“**The Conservative Turn: Lionel Trilling, Whittaker Chambers, and the Lessons of Anti-Communism.**” (Humanities Center) Michael Kimmage, Catholic University. Room 133, Barker Center, 12 Quincy St., 6 p.m.

Wed., May 6—“**Portraits of Muhammad from Ghazan Khan to Kurt Westergaard.**” (Inner Asian and Altaic Studies) Johan Elverskog, Southern Methodist University. Room S050, CGIS South, 1730 Cambridge St., 1 p.m. Free and open to the public. Participants may bring their own lunches; snacks will be provided. [iaas@fas.harvard.edu](mailto:iaas@fas.harvard.edu).

Wed., May 6—“**The Geopolitics of Emotion: How Cultures of Fear, Humiliation, and Hope are Reshaping the World.**” (Harvard Institute for Learning in Retirement) Dominique Moisi, visiting professor, Harvard University. Grossman Common Room, 51 Brattle St., 3:15 p.m. Free and open to the public. [www.hilir.harvard.edu](http://www.hilir.harvard.edu).

## 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).

■ **“Signs of Spring” Free walking tours:** Tours began again April 11. 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).

■ **Call for Artists:** The Arnold Arboretum and Jamaica Plain Open Studios are hosting a juried group exhibition devoted to art inspired by the plants, landscape, and collections of the Arnold Arboretum. Artists are welcome to submit work for consideration. Art must be two-dimensional, paintings and prints, appropriately framed, and ready-to-hang. Details and forms available at [www.arboretum.harvard.edu/jpos](http://www.arboretum.harvard.edu/jpos). The deadline is Tue., July 14, at 4 p.m.

■ **Events/Classes**  
Sat., May 9—“**An Apple-A-Day: Orchard Intensive with Michael Phillips.**” Hunnewell Building, Arnold Arboretum. Workshop 1: “Home Orchard Basics” at 9 a.m. Workshop 2: “Organic Apple Insights” at 1 p.m. Cost

is \$70 for both sessions; \$35 morning session only. Register online at [www.arboretum.harvard.edu](http://www.arboretum.harvard.edu), or call (617) 384-5251.

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

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

**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.

### Harvard Art Show

■ Mon., May 4—“**Harvard Student Art Show and Sale**” is a one-day event featuring work by Harvard students. The show and sale takes place in a pavilion tent outside the Science Center, 1 Oxford St., noon-9 p.m. A silent auction and reception with music will be held 6-8 p.m.

**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 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>.

■ Thu., April 23—“**Creating Figures for Presentations and Publications Using PhotoShop and PowerPoint.**” Countway Library of Medicine Electronic Classroom, 9 a.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).

■ Mon., April 27—“**Poster Making for Large Former Printers.**” Room 318, Goldenson, HMS, noon. Free and open to Harvard employees and HMS affiliates. No registration required. Handouts can be downloaded at <http://it.med.harvard.edu/ris>.

■ Tue., May 12—“**Creating Figures for Presentations and Publications Using PhotoShop and PowerPoint.**” Countway Library of Medicine Electronic

Classroom, 9 a.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 Museum of Natural History** offers a variety of programs based on the Museum’s diverse exhibits. The entrance for all programs is 26 Oxford St. **Enrollment is limited, and advance registration is required.** Sign up for three or more classes and get an extra 10 percent off. Wheelchair accessible. (617) 495-2341, [www.hmnh.harvard.edu](http://www.hmnh.harvard.edu).

### ■ Volunteer opportunity

HMNH seeks volunteers who are enthusiastic about natural history and would enjoy sharing that excitement with adults and children. No special qualifications required. Training is provided. Just one morning or afternoon per week or weekend required. More info: [volunteers@oeb.harvard.edu](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

Sun., April 26—“**Learning from Live Animals: How Frogs Feed and Snakes Slither.**” Family program with Julie Vallimont. HMNH, 26 Oxford St., 2 p.m. Free and open to the public as part of the Cambridge Science Festival.

Fri., May 1—“**Plant Biodiversity from Our Backyard to the Big Picture.**” Peter Raven, botanist. Geological Lecture Hall, 24 Oxford St., 6 p.m. Free and open to the public. Sponsored also by the Arnold Arboretum and others.

**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).

### Harvard School of Public Health

■ Mon., June 8-Fri., June 12—“**Ethical Issues in Global Health Research Workshop.**” Intensive 5-day seminar on key topics, including ethical guidelines for research involving human subjects, confidentiality, conflict of interest, and scientific misconduct. Room 636, FXB Building, 651 Huntington Ave., 8 a.m.-6 p.m. daily. Course fee of \$1,950 (\$300 nonrefundable deposit due upon acceptance) includes daily continental breakfasts and breaks, special function in Harvard Faculty Club, comprehensive reference manual and CD, and a Harvard certificate of attendance. Early bird discount of \$150 for full payment by April 15. For more information on costs, scholarship assistance, and programming, visit [www.hsph.harvard.edu/bioethics](http://www.hsph.harvard.edu/bioethics). (617) 432-3998, [mclark@hsph.harvard.edu](mailto:mclark@hsph.harvard.edu).

**Harvard Swim School** offers swimming and diving lessons for children and adults. Classes are held Saturday mornings from April 4 to May 9 in the Blodgett Pool in the Malkin Athletic Center. (617) 496-8790, [www.athletics.harvard.edu/swimschool/](http://www.athletics.harvard.edu/swimschool/).

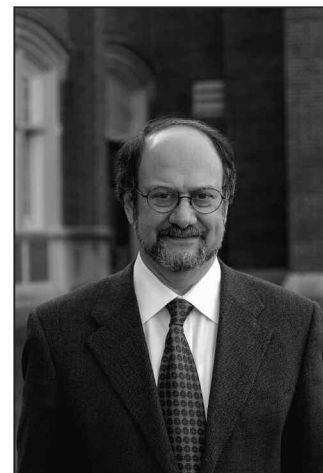
**The Landscape Institute.** 30 Chauncy St., 1st floor. (617) 495-8632, [landscape@arnarb.harvard.edu](mailto:landscape@arnarb.harvard.edu), [www.landscape.arboretum.harvard.edu](http://www.landscape.arboretum.harvard.edu).

■ **Summer 2009 registration** is open for enrollment. Classes begin June 1.

■ **Open Studio Design Lab** is a weekly opportunity to hone design and technical skills in an informal, problem-specific format. Open every Friday, 9 a.m.-4:30 p.m. Private one-on-one mentoring \$50/hr.; drop-in alumni and stu-

## April 30

Author Robert Kuttner will deliver the 2009 Lowell Lecture, ‘Obama’s Challenge: Prospects for Economic Success,’ Thursday, April 30, in room 105, Emerson Hall, 25 Quincy St., at 8 p.m. Sponsored by the Harvard Extension School.



dent charge (fee per visit) \$10; drop-in rate for current certificate candidates is free. **Registration:** Participants should stop by the office and visit the registrar to pay. For private sessions, contact [weinmay@rcn.com](mailto:weinmay@rcn.com). Upcoming topics:

Fri., April 24—Computer Graphics AutoCAD Basics  
Fri., May 1—Construction Details  
Fri., May 8—Contracting Bid Forms & Observation

### ■ Classes

Thu., April 23—“**Fresh Pond: The History of a Cambridge Landscape.**” Jill Sinclair, writer and Landscape Institute graduate. Opening reception at 5:30 p.m., lecture at 6 p.m. Free and open to the public. Seating is limited. Please RSVP to [landscape@arnarb.harvard.edu](mailto:landscape@arnarb.harvard.edu).

**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).

**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).

### Learning from Performers

■ Thu., April 23—“**Actor and Vocalist Michael Cerveris.**” Audition workshops with Tony Award-winning Michael Cerveris. Undergraduate actors and singers will learn the how-to’s of auditioning in two workshop sessions.

Observers are welcome. Lower Common Room, Adams House, 3 p.m. and 7 p.m. Free admission.

■ Thu., April 30—**"The 2009 Harvard Arts Medal Ceremony Honoring Poet John Ashbery."** Actor John Lithgow '67 hosts event honoring poet John Ashbery '49; moderated by poet Dan Chiasson, GSAS '01, Wellesley College; presented by Harvard President Drew Faust. New College Theatre, 10-12 Holyoke St., 5 p.m. Free admission; tickets required (limit 2 per person). Harvard Box Office (617) 496-2222, [www.boxoffice.harvard.edu](http://www.boxoffice.harvard.edu). Also sponsored by the Board of Overseers of Harvard College.

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

■ Thu., April 23—**"Fukami, Sueharu: Celadon Sculpture."** Fukami Sueharu, prominent porcelain artist. Ceramics Program, 219 Western Ave., 10 a.m.-noon. Cost is \$5 Harvard students; \$10 Ceramics Program and Harvard affiliates; \$15 general. Write check to Harvard University and mail to Ceramics Program. RSVP to [selvage@fas.harvard.edu](mailto:selvage@fas.harvard.edu).

**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).

■ Thu., April 30—**"Buying Your First Home."** Lynn King, Coldwell Banker Residential Brokerage Relocation Services.

■ Mon., May 11—**"Hiring an Ai Pair: The Flexible Child Care Option."** Diane Swartz and Jane Dexter, AuPairCare.

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

**Semitic Museum** at Harvard University, 6 Divinity Ave. (617) 495-4631, <http://www.fas.harvard.edu/~semitic>.

■ Thu., April 23—**"Ancient Israelite Daily Life."** Family program on how the Israelites made bread, and the everyday life of the average villager some 2,700 years ago. Children will be invited to handle original potsherds and try to match them with whole vessels on display. Discussions take place at 11 a.m. and again at 1 p.m. Registration required; limited to 15; \$2 per child. Appropriate for grades 3-6. [davis4@fas.harvard.edu](mailto:davis4@fas.harvard.edu).

## computer

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

Thu., April 23—**"Ancient Israelite Daily Life."** (Semitic Museum) Family program on how the Israelites made bread, and the everyday life of the average villager some 2,700 years ago. Children will be invited to handle original potsherds and try to match them with whole vessels on display. 6 Divinity Ave., 11 a.m. and 1 p.m. Registration required; limited to 15; \$2 per child. Appropriate for grades 3-6. (617) 495-4631, [davis4@fas.harvard.edu](mailto:davis4@fas.harvard.edu).

Thu., April 23—**"Actor and Vocalist Michael Cerveris."** (OfA) Audition workshops with Tony Award-winning Michael Cerveris. Undergraduate actors and singers will learn the how-to's of auditioning in two workshop sessions. Observers are welcome. Lower Common Room, Adams House, 3 p.m. and 7 p.m. Free admission. (617) 495-8676, [www.fas.harvard.edu/ofa](http://www.fas.harvard.edu/ofa).

Thu., April 23—**"A Media Archaeology of Boston."** (Cambridge Talks, Ph.D. Program at GSD, Film Study Center) A one-night sound, film, and video exhibition presenting an excavation of Boston's spaces through a montage of short films, photographs, and more. Lecture Hall, Carpenter Center, 24 Quincy St., 7 p.m. Reception to follow in the Sert Gallery. (617) 495-9704, [www.cambridgetalks.org](http://www.cambridgetalks.org).

Fri., April 24—**"Palestine."** (SHURA, Harvard Islamic Society, Society of Arab Students and Center for Arab Culture, Harvard College Palestine Solidarity Committee, Harvard Islamic Society, Harvard College Advocates for Human Rights, Society of Arab Students, Ascent Magazine) Najla Said, an award-winning playwright and actress, performs her one-woman show. Fong Auditorium, Boylston Hall, 6 p.m. Free and open to the public. Donations for humanitarian relief in Gaza will be collected. A Q&A with Said will follow. [ahaneef@hds.harvard.edu](mailto:ahaneef@hds.harvard.edu), [farrah.haidar@cachoston.org](mailto:farrah.haidar@cachoston.org).

Fri., April 24—**"Quisque Jam."** (Fuerza Latina) Latino party hosted by the largest pan Latino organization at Harvard. Featuring Boston's DJ Nesty and DJ CASE. Pforzheimer House Dining Hall, 56 Linnaean St., 10 p.m. Tickets are \$10 general; \$7 Pfoho residents. Harvard Box Office (617) 496-2222, [www.boxoffice.harvard.edu](http://www.boxoffice.harvard.edu).

Sat., April 25—**"Eleganza 2009."** (BlackCAST) Student-run fashion show with the theme "Wake Up: Dream, Nightmare, Awake." All proceeds benefit the Center for Teen Empowerment in Boston. Lavietes Basketball Pavilion, Soldiers Field Rd., 8 p.m. Tickets are \$12. Harvard Box Office (617) 496-2222, [www.boxoffice.harvard.edu](http://www.boxoffice.harvard.edu).

Tue., April 28—**"The Phillips Brooks House Association's Auction for the Summer Urban Program."** (PBHA) Event to help support PBHA's 12 summer camps serving more than 900 children and youth in Boston and Cambridge. Cambridge Queen's Head Pub, 5:30 p.m. Silent auction from 5:30-7:30 p.m. with food, drinks, and live jazz; live auction of 10 items begins at 7:30 p.m. Featuring a welcome by Dean Evelyn Hammonds; auctioneer Livingston Taylor; and honorees Boston Councilor Sam Yoon and Cambridge Assistant City Manager Ellen Semonoff. Advance reservations are \$30; admission at the door is \$20. Harvard Box Office (617) 496-2222, [www.boxoffice.harvard.edu](http://www.boxoffice.harvard.edu). For a complete list of details, visit [www.pbha.org/auction](http://www.pbha.org/auction).

Thu., April 30—**"The 2009 Harvard Arts Medal Ceremony Honoring Poet John Ashbery."** (OfA, Board of Overseers of Harvard College) Actor John Lithgow '67 hosts event honoring poet John Ashbery '49; moderated by poet Dan Chiasson GSAS '01, Wellesley College; presented by Harvard President Drew Faust. New College Theatre, 10-12 Holyoke St., 5 p.m. Free admission; tickets required (limit 2 per person). Harvard Box Office (617) 496-2222, [www.boxoffice.harvard.edu](http://www.boxoffice.harvard.edu).

Thu., April 30-Sun., May 3—**"Arts First Festival."** (OfA, Harvard Board of Overseers) Featuring more than 100 free music, dance, theater, and film events around campus, including the Holyoke Outdoor Stage concerts and Bandfest, and the Art Walk. For a complete list of events: (617) 495-8676, [www.harvard.edu/arts](http://www.harvard.edu/arts).

Fri., May 1—**"Holyoke Outdoor Stage."** (OfA, Harvard Board of Overseers, HRES) Arts First concerts by Harvard College KeyChange, noon; Harvard Krokodiloes, 12:30 p.m.; Ali Sternburg and Laura Lacombe, 1 p.m.; Harvard-Radcliffe Veritones, 1:30 p.m.; Olivia Pei, 2 p.m.; Harvard Sangeet, 2:30

p.m.; Shani A Cappella, 3 p.m.; Harvard Callbacks, 3:30 p.m.; Harvard Lowkeys, 4 p.m.; and Chad Cannon, 4:30 p.m. Holyoke Center Outdoor Stage/Forbes Plaza; in case of rain, event will be held in the Science Center pavilion tent. (617) 495-8676, [www.harvard.edu/arts](http://www.harvard.edu/arts).

Sat., May 2—**"Annual Spring Soiree."** (Harvard Gay and Lesbian Caucus) 6 p.m. Suggested donation is \$5. A free drink to the first 25-30 people; cash bar afterwards; ages 21+ only. RSVP to [boston@hgic.org](mailto:boston@hgic.org).

Sat., May 2—**"Homenaje Latino."** (Homenaje Latino) Annual awards gala bringing the rich and diverse Latino organizations to honor Latino pride and achievement, including students, faculty, professors, and family members. 7 p.m. Tickets are \$25 general; \$20 students/Harvard ID. Harvard Box Office (617) 496-2222, [www.boxoffice.harvard.edu](http://www.boxoffice.harvard.edu).

Sun., May 3—**"Bandfest."** (OfA, Board of Overseers) Disband, noon; Ben Kultgen, 12:30 p.m.; Straight Communist, 1 p.m.; Stealth Fox, 1:30 p.m.; Chas Gillespie, 2 p.m.; Dan Masterson, 2:30 p.m.; Retroactives, 3 p.m.; Start, Go!, 3:30 p.m.; Recklez, 4 p.m.; Clint Miller Band, 4:30 p.m.; The Truth, 5 p.m.; and Kelsey Quigley and Jesse Soursourian, 5:30 p.m. Holyoke Outdoor stage; if it rains performances will be canceled. (617) 495-8676, [www.harvard.edu/arts](http://www.harvard.edu/arts).

## 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

## April 30

Harvard's Roy P. Mottahedeh will speak on 'Felines in Islamic Art and Culture: An Entertainment' Thursday, April 30. Sponsored by the Prince Alwaleed Bin Talal Islamic Studies Program, the talk will take place in room 105, Emerson Hall, at 5:30 p.m.

**Massage Therapy, 1/2-Hour Appointments**  
1/2-hour appointments with Licensed Massage Therapists  
Wednesdays and Thursdays, 9 a.m.-noon  
75 Mt. Auburn St., 2E, HUHS  
Call (617) 495-9629 to arrange  
Fee is \$37/half-hr; \$25/half-hr for HUGHP members

**Lunchtime Massage Therapy Break at HUHS**  
Ten-minute appointments with Licensed Massage Therapists  
Mondays, noon-2 p.m. at the HUHS Pharmacy in Holyoke Center  
Wednesdays, 11 a.m.-2 p.m. at CWHC, 2E, HUHS  
Thursdays, 5:30-7:30 p.m. at Hemenway Gym  
Fridays from 11 a.m.-2 p.m. at the HUHS Pharmacy in Holyoke Center  
Call (617) 495-9629 to arrange  
Fee is \$10/10 minutes

**On-Site Massage Therapy or Shiatsu**  
10-minute appointments with Licensed Massage Therapists  
Call (617) 495-9629 to arrange  
Fee is \$10 per person for 10 minutes; minimum of six people

**Shiatsu (Acupressure)**  
One-hour appointments with Karl Berger, OBT, LMT  
Mondays, 6, 7, and 8 p.m.  
75 Mt. Auburn St., 5th floor, HUHS  
Call (617) 495-9629 to arrange  
Fee is \$60/hr; \$40/hr for HUGHP members

**Reiki**  
One-hour appointments with Farris Ajalat, Judy Partington, & Lisa Santoro, LMTs  
Tuesdays, Wednesdays, Thursdays, Saturdays  
75 Mt. Auburn St., 2E, HUHS  
Call (617) 495-9629 to arrange  
Fee is \$60/hr; \$40/hr for HUGHP members

**Active Release Technique (ART)**  
One-hour appointments with a Licensed Massage Therapist  
Sundays and Mondays, mid-day, afternoon and evening appointments  
75 Mt. Auburn St., 2E, HUHS  
Call (617) 495-9629 to arrange  
Fee is \$60/hr; \$40/hr for HUGHP members

**Acupuncture, 1-Hour Appointments**  
One-hour appointments with Jeffrey Matrician, Lic. Ac.  
Tuesdays and Fridays, morning and afternoon appointments  
75 Mt. Auburn St., 2E, HUHS  
Call (617) 495-9629 to arrange (clinical clearance required)  
Fee is \$75/hr; \$40/hr for HUGHP members

**Tobacco Cessation Classes** are offered weekly at the Dana-Farber Cancer Institute, dates and times may vary. Fee: \$10 per class, and nicotine patches are available at a discounted rate. (617) 632-2099.

**Weight Watchers at Work** classes are available. (617) 495-9629.

**Weight Watchers@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. (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

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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.

April 26—The Rev. Robert J. Mark, the Memorial Church

May 3—The Very Rev. Alan Jones, Grace Cathedral, San Francisco, Calif.

#### 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., April 23—Evelynn M.

Hammonds, Harvard College

Fri., April 24—Eva E.M. Schlitz '09, Harvard College

Sat., April 25—TBA

Mon., April 27—TBA

Tue., April 28—TBA

Wed., April 29—Zeba Almas Syed '09, Harvard College

Thu., April 30—Gillian Everett Morris '09, Harvard College

Fri., May 1—Taylor G. Petrey, Harvard College

Sat., May 2—Taylor Lewis Guthrie '10, the Memorial Church

Mon., May 4—The Rev. Dr. Dorothy A. Austin, the Memorial Church

Tue., May 5—Michèle Yvonne Stanners, WCFIA

Wed., May 6—Owen Gingerich, Harvard University

Thu., May 7—Donald K. Swearer, CMES

#### 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., 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, [dancho@post.harvard.edu](mailto:dancho@post.harvard.edu)

■ Sunday School: Sun., 12:15 p.m.

■ Worship Service: Sun., 1 p.m.

Berkland Baptist Church is a community of faith, primarily comprised of young Asian American students and professionals.

#### Cambridge Forum

The First Parish in Cambridge, Unitarian Universalist, 3 Church St., (617) 495-2727, [www.cambridgeforum.org](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 Lion of Judah

Spanish/English bilingual services 68 Northampton St., Boston, Mass. (617) 541-4455, [info@leondejuda.org](mailto:info@leondejuda.org), [www.leondejuda.org](http://www.leondejuda.org)

■ Sunday services: 9 a.m. and noon

■ Adult Discipleship School: Sundays 10 a.m. and noon

■ *Kidz* for Children: Sundays 10 a.m. and noon

#### 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 [www.hds.harvard.edu](http://www.hds.harvard.edu)  
Services are held during the fall and spring terms only.

■ HDS Wednesday Noon Service: 12:10 p.m. (617) 384-7571, [\[wald@hds.harvard.edu\]\(mailto:wald@hds.harvard.edu\)](mailto:jvon-</a></p>
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■ 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.firstchurchsomerville.org](http://www.firstchurchsomerville.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 Beech 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.

#### St. Peter's Episcopal Church

(617) 547-7788, [www.saintpeterscambridge.org](http://www.saintpeterscambridge.org)  
Located at 838 Massachusetts Ave. in Central Square.  
■ Morning prayer services, weekdays at 8 a.m.  
■ Evening worship, Wednesdays, at 6 p.m., followed by a meal and forum.  
■ Sunday services are 8 a.m. contemplative service, and 10:30 a.m. sung Eucharist with Sunday School. Open to all.

#### 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 Canada 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.

**First Church in Cambridge (United Church of Christ)** holds a traditional worship service Sundays at 11 a.m. and an alternative jazz service Sunday afternoons at 5:30 p.m. Located at 11 Garden St. (617) 547-2724.

**Lutheran — University Lutheran Church**, 66 Winthrop St., at the corner of Dunster and Winthrop streets, holds Sunday worship at 10 a.m. through Labor Day weekend and 9 and 11 a.m. Sept. 10-May, with child care provided. UniLu Shelter: (617) 547-2841. Church and Student Center: (617) 876-3256, www.unilu.org.

**Old Cambridge Baptist Church**, 1151 Mass. Ave. and 400 Harvard St. (behind the Barker Center and the Inn at Harvard), holds Sunday morning worship at 10:30 a.m. Please join this inclusive, progressive congregation in the American Baptist tradition. www.oldcambridgebaptist.org. (617) 864-8068.

**Swedenborg Chapel: Church of the New Jerusalem** (617) 864-4552, http://swedenborgchapel.org/ Located at the corner of Quincy St. and Kirkland St. ■ Bible Study, Sundays at 10 a.m. ■ Services, Sundays at 11 a.m. ■ Community Dinner, Thursdays at 6 p.m. ■ Swedenborg Reading Group, Thursdays at 7 p.m.

Cambridgeport Baptist Church, (617) 576-6779  
Christ Church, (617) 876-0200  
Episcopal Chaplaincy, (617) 495-4340  
First Parish in Cambridge, Unitarian Universalist, (617) 495-2727  
Harvard-Epworth United Methodist Church, (617) 354-0837  
Old Cambridge Baptist Church, (617) 864-8068  
St. Paul Church, (617) 491-8400  
Swedenborg Chapel, (617) 864-4552  
The Memorial Church, (617) 495-5508

## support/social

*Support and Social groups are listed as space permits.*

The **Berkman Center for Internet and Society Thursday Meetings @ Beriman**, a group of blogging enthusiasts and people interested in Internet technology, meets at the Berkman Center on the second floor of 23 Everett St., Cambridge, on Thursday evenings at 7 p.m. People of all experience levels and those who would like to learn more about weblogs, XML feeds, aggregators, wikis, and related technology and their impact on society are welcome. http://blogs.law.harvard.edu/thursdaymeetings/.

The **COACH Program** seeks Harvard college and graduate students to serve as "college coaches" in the Boston Public Schools to assist young people in applying to college and developing plans for after high school. COACH is looking for applicants interested in spending about three hours per week working with high school juniors and

seniors in West Roxbury. Interested students should call (917) 257-6876 or e-mail asamuels@law.harvard.edu.

**Harvard's EAP** (Employee Assistance Program) provides free, confidential assessment and referral services and short-term counseling to help you work through life's challenges. Harvard faculty, staff, retirees, and their household members can access the following services throughout the U.S. and Canada 24 hours a day, 7 days a week: confidential assessment, information, referral; consultation to supervisors around employee well-being, behavior, or performance; individual and group support around a workplace crisis, serious illness, or death; and on-site seminars. In addition, Harvard's EAP can help with workplace conflicts, personal and family relationships, eldercare planning, legal consultations, financial counseling and

(617) 495-8476, ochs@fas.harvard.edu, www.hgic.org/resources/faculty-staff.html.

**Harvard Student Resources**, a division of Harvard Student Agencies, employs a work force of more than 300 students to provide temporary clerical work, housecleaning, tutoring, research, moving, and other help at reasonable rates. **HSA Cleaners**, the student-run dry cleaning division of Harvard Student Agencies, offers 15 percent off cleaning and alterations for Harvard employees. (617) 495-3033, www.hsa.net.

**Harvard Student Spouses and Partners Association (HSSPA) Spouses Support Group** is a social group where you can meet other spouses who might help you to get used to your new situation as a spouse or partner at Harvard University. Our support group meets weekly all year long. Please e-mail spousesupport@gmail.com for location and time of meetings and check www.hsspa.harvard.edu for events.

**Harvard Toastmasters Club** helps you improve your public speaking skills in a relaxed environment. For Harvard students from all Schools and programs. Meetings are Wednesdays, 6:45-7:45 p.m., in room 332, Littauer

## April 30

The 2009 Harvard Arts Medal ceremony honoring poet John Ashbery will take place Thursday, April 30, in the New College Theatre, 10-12 Holyoke St., at 5 p.m. Presented by the Office for the Arts and the Board of Overseers of Harvard College. Free admission but tickets are required (limit two per person) and are available through the Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu. See special events, page 27, for details.

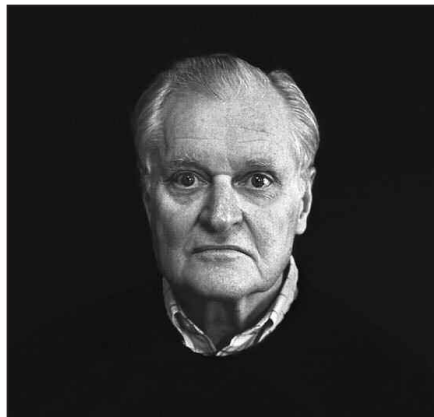


Photo by Lynne Davis

Building, HKS. jkhartshorne@gmail.com.

The **Harvard Trademark Program** has redesigned its Web site to better meet the needs of the public and members of the Harvard community who are seeking information about the Harvard Trademark Program's licensing activities and trademark protection efforts as well as information regarding the various policies governing the proper use of Harvard's name and insignias. trademark\_program@harvard.edu, www.trademark.harvard.edu.

**Harvard Veterans Alumni Organization** is open to all members of the Harvard University community who are, or have served, in the U.S. military. Visit www.harvardveterans.org for information and to participate.

**LifeRaft** is an ongoing drop-in support group where people can talk about their own or others' life-threatening illness, or about their grief and bereavement. Life Raft is open to anyone connected with the Harvard Community: students, faculty, staff, retirees, and families. Life Raft is free and confidential and meets on Wednesdays, noon-2 p.m. in the Board of Ministry Conference Room on the ground floor of the Memorial Church. Come for 10 minutes or 2 hours. (617) 495-2048, bgilmore@uhs.harvard.edu.

**Office of Work/Life Resources** offers a variety of programs and classes. (617) 495-4100, 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 per-

spective. Online at www.hrtv.org, 7 p.m. 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.

**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. (617) 495-4513, srom@hds.harvard.edu.

## studies

*Studies are listed as space permits.*

**Acne Study:** Researchers seek people 12 years or older with facial acne to determine the safety and effectiveness of an investigational drug for acne. The study consists of 5 visits over 12 weeks and subjects will receive up to \$200 in compensation for time and travel. Study visits are required approximately every 2 to 4 weeks. To participate, the subject must stop all other treatments for acne except emollients approved by the study doctor. (617) 726-5066, harvardskin-studies@partners.org.

**Atypical Antipsychotics Study:** Researchers seek pregnant women between the ages of 18 and 45 that are currently treated with one or more of the following atypical antipsychotics: Abilify, Clozaril, Geodon, Invega, Risperdal, Seroquel, Zyprexa. The study will involve three brief phone interviews over an 8-month period. (866) 961-2388.

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

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

**Diabetic Foot Pain Study:** Researchers seek participants with diabetic foot pain to evaluate an investigational medication for treating diabetes-caused pain.

Participants will have nine outpatient hospital visits over 17 weeks. All study-related costs at no charge; compensation will be provided. (617) 525-PAIN (7246), PainTrials@partners.org.

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

**Hearing Study:** Researchers seek healthy men and women ages 30 to 65 for a non-invasive hearing study. Participation involves approximately nine hours of hearing tests. Compensation provided. (617) 573-5585, hearing@meei.harvard.edu.

**Hispanic and African-American Participants for First Impressions of Faces Study:** Researchers seek men and women ages 18 and older who identify themselves as African/African-American, or Hispanic with 20/20 corrected vision and ability to read English to participate in an hour-and-a-half long non-invasive study of first impressions. Participants will be shown photographs of women's faces on a computer screen and will be asked to record their perceptions of them, and then fill out a brief questionnaire. Compensation is \$20. (617) 726-5135, blinkstudies@gmail.com.

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

**Nerve Pain Study:** Researchers seek individuals ages 18-65 who have been diagnosed with a nerve pain condition for at least 3 months to evaluate the effectiveness of an FDA-approved sleep medication on nerve pain. The study consists of four visits, eight phone interviews, keeping sleep and pain diaries, completing questionnaires, a urine and blood test, physical exam, and taking study medication. Compensation provided. (617) 724-6102, toll-free at 1-888-No-2-Ouch, cmalarick@partners.org, www.massgeneral.org/painresearch.

**OMNI-Carb Study:** Researches seek individuals 30 years or older to participate in a study on the ways blood pressure, cholesterol, and glucose are affected by what we eat. Persons must be willing to come to clinic Mon-Fri. for one meal, must not currently take blood pressure or cholesterol medications, or have diabetes. Compensation is provided. (617) 525-6737, www.omnicarb.org.

**PMS Study:** Researchers seek women between the ages of 18 and 45 who suffer with PMS and are currently being treated with an antidepressant for a research study evaluating how a birth control helps with premenstrual mood symptoms. Participants will receive study medication and evaluations of their mood at no cost, and will be compensated up to \$350. (617) 724-6540, afarrell2@partners.org.

**Psychology Studies:** Researchers seek students and members of the community to participate in studies. Studies could involve filling out questionnaires, viewing videos, or making judgments on a computer. Compensation, usually \$10/hour, for participation. Visit http://studypool.wjh.harvard.edu for eligibility details and a list of available studies. All studies posted to this site are approved by the Committee on the Use of Human Subjects. (617) 495-3891, studypool@wjh.harvard.edu.

# Opportunities



Job listings posted as of April 23, 2009

**H**arvard is not a single place, but a large and varied community. It is comprised of many different schools, departments and offices, each with its own mission, character and environment. Harvard is also an employer of varied locations.

Harvard is strongly committed to its policy of equal opportunity and affirmative action. Employment and advancement are based on merit and ability without regard to race, color, creed, sex, sexual orientation, disability, national origin or status as a disabled or Vietnam-era veteran.

## How to Apply:

To apply for an advertised position and/or for more information on these and other listings, please visit our Web site at <http://www.employment.harvard.edu> to upload your resume and cover letter.

## Explanation of Job Grades:

Most positions at Harvard are assigned to a job grade (listed below with each posting) based on a number of factors including the position's duties and responsibilities as well as required skills and knowledge.

The salary ranges for each job grade are available at <http://www.employment.harvard.edu>. Target hiring rates will fall within these ranges. These salary ranges are for full-time positions and are adjusted for part-time positions. Services & Trades positions are not assigned grade levels. The relevant union contract determines salary levels for these positions.

## Other Opportunities:

All non-faculty job openings currently available at the University are listed on the Web at <http://www.employment.harvard.edu>.

**harvard.edu.** There are also job postings available for viewing in the Longwood Medical area, 25 Shattuck St., Gordon Hall Building. For more information, please call 432-2035.

This is only a partial listing. For a complete listing of jobs, go to <http://www.employment.harvard.edu>.

In addition, Spherion Services, Inc., provides temporary secretarial and clerical staffing services to the University. If you are interested in temporary work at Harvard (full- or part-time), call Spherion at (617) 495-1500 or (617) 432-6200

(Longwood area).

## Additional Career Support:

A Web page on career issues, including links to career assessment, exploration, resources, and job listings, is available for staff at <http://www.harvie.harvard.edu/learning/careerdevelopment/index.shtml>

## Job Search Info Sessions:

Harvard University offers a series of information sessions on various job search topics such as interviewing, how to target the right positions, and navigating the Harvard hiring process. All are

welcome to attend. The sessions are typically held on the first Wednesday of each month from 5:30 to 7:00 at the Harvard Events and Information Center in Holyoke Center at 1350 Massachusetts Avenue in Harvard Square. More information is available online at <http://employment.harvard.edu/careers/findingajob/>.

Please Note:

*The letters "SIC" at the end of a job listing indicate that there is a strong internal candidate (a current Harvard staff member) in consideration for this position.*

## Academic

**Research Fellow (Postdoctoral) Req. 36426**, Gr. 000  
Harvard School of Public Health/Biostatistics  
FT (4/2/2009)

## Alumni Affairs and Development

**Director of Development, Corporations and Foundations Req. 36545**, Gr. 060  
Harvard Medical School/Resource Development  
FT (4/23/2009)

## Arts

**Assistant Technical Director (Mechanical) Req. 36316**, Gr. 055  
American Repertory Theatre/A.R.T. Scene Shop  
FT (3/12/2009)

## Athletics

**Assistant Coach of Women's Basketball Req. 36456**, Gr. 055  
Faculty of Arts and Sciences/Athletics  
FT (4/9/2009)

**Assistant Director of Strength and Conditioning Req. 36515**, Gr. 055  
Faculty of Arts and Sciences/Athletics  
FT, SIC, (4/23/2009)

**Assistant Coach of Women's Basketball Req. 36455**, Gr. 056  
Faculty of Arts and Sciences/Athletics  
FT, SIC, (4/9/2009)

**Assistant Coach of Men's Swimming Req. 36453**, Gr. 055  
Faculty of Arts and Sciences/Athletics  
PT (4/9/2009)

## Communications

**Research Administrator/Science Editor Req. 36291**, Gr. 056  
Faculty of Arts and Sciences/Molecular & Cellular Biology  
FT (3/5/2009)

**Associate Director of Communications Req. 36429**, Gr. 058  
Harvard Business School/Marketing and Communication  
FT (4/2/2009)

## Facilities

**HVAC Mechanic (Chiller Operator) Req. 36389**, Gr. 029  
University Operations Services/Engineering & Utilities  
Union: ATC/IUOE Local 877, FT (3/26/2009)

**Area Manager in the Houses Req. 36376**, Gr. 057  
Faculty of Arts and Sciences/FAS Physical Resources & Planning  
FT (3/26/2009)

**Auxiliary Operating Engineer Req. 36410**, Gr. 029  
University Operations Services/Engineering & Utilities  
Union: ATC/IUOE Local 877, FT (4/2/2009)

## Faculty & Student Services

**Assistant Dean of Students and Alumni Affairs for the Division of Continuing Education Req. 36529**, Gr. 058  
Division of Continuing Education/Dean of Students  
FT (4/23/2009)

## Finance

**Sponsored Research Administrator Req. 36308**, Gr. 056  
Faculty of Arts and Sciences/Stem Cell & Regenerative Biology  
FT (3/12/2009)

**Information Security Project Manager and Analyst Req. 36422**, Gr. 057  
Faculty of Arts and Sciences/FAS Office of Finance  
FT (4/2/2009)

**Financial Analyst Req. 36527**, Gr. 056

Faculty of Arts and Sciences/HSCI

FT (4/23/2009)

**Controller Req. 36489**, Gr. 059

Harvard Law School/Financial Services  
FT (4/16/2009)

**Procurement Specialist Req. 36446**, Gr. 056  
School of Engineering & Applied Sciences/Wyss Institute  
FT (4/9/2009)

**Assistant Director of Sponsored Programs Req. 36424**, Gr. 058  
Harvard School of Public Health/Sponsored Programs Administration  
FT (4/2/2009)

**Senior Grants and Contract Specialist (FAS Physical & Social Sciences Team) Req. 36510**, Gr. 058  
Financial Administration/Office of Sponsored Programs  
FT (4/16/2009)

**Senior Grants and Contract Specialist (FAS Life Sciences Team) Req. 36522**, Gr. 058  
Financial Administration/Office of Sponsored Programs  
FT (4/23/2009)

**Grants and Contracts Specialist Req. 36339**, Gr. 056  
School of Engineering & Applied Sciences  
FT (3/19/2009)

## General Administration

**Assistant Dean for Diversity/ Director, Program to Eliminate Health Disparities Req. 36420**, Gr. 061  
Harvard School of Public Health/Academic Affairs  
FT (4/2/2009)

**Program Manager Req. 36293**, Gr. 056  
University Administration/Harvard Initiative for Global Health

FT (3/5/2009)  
**Senior Associate Director of Technology Transactions Req. 36457**, Gr. 061  
University Administration/Office of Technology Development

FT (4/9/2009)  
**Director of Administration Req. 36478**, Gr. 059  
Harvard School of Public Health/Global Health and Population

FT (4/16/2009)  
**Chief of Staff Req. 36471**, Gr. 061  
Harvard Medical School/Dean's Office  
FT (4/16/2009)

**Associate Director for Neuroimaging Req. 36511**, Gr. 057  
Faculty of Arts and Sciences/Center for Brain Science  
FT (4/16/2009)

**Compliance Instructional Designer Req. 36361**, Gr. 057  
Harvard School of Public Health/Office of Financial Services  
FT (3/19/2009)

**Director, First Year Legal Research and Writing Program Req. 36371**, Gr. 060  
Harvard Law School/First Year Legal Research and Writing Program  
FT (3/26/2009)

**Program Manager Req. 36501**, Gr. 055  
Harvard School of Public Health/Division of Public Health Practice  
FT (4/16/2009)

**Senior Administrator of Physician Training Req. 36504**, Gr. 059  
Harvard Medical School/CTSC  
FT (4/16/2009)

**Assistant Provost for Research Policy Req. 36514**, Gr. 060  
University Administration/Office for Research and Compliance  
FT (4/23/2009)

**Associate Research Director for Financial Design Req. 36320**, Gr. 058  
Faculty of Arts and Sciences/ideas42  
FT (3/12/2009)

**Assistant Director, Surveys & Analysis Req. 36392**, Gr. 057  
Graduate School of Education/COACHE  
FT (3/26/2009)

**Associate Director, Principals' and School Leadership Programs Req. 36476**, Gr. 057

Graduate School of Education/Programs in Professional Education  
FT, SIC, (4/16/2009)

**Administrator, Urban Policy Advisory Group Req. 36493**, Gr. 057

JFK School of Government/Ash Institute  
FT (4/16/2009)

## Health Care

**Occupational Health and Safety Nurse Req. 36524**, Gr. 057

Harvard Medical School/NEPRC  
FT (4/23/2009)

## Information Technology

**Systems Administrator for Neuroimaging Req. 36328**, Gr. 057

Faculty of Arts and Sciences/FAS IT  
FT (3/12/2009)

**SAS Programmer II Req. 36497**, Gr. 056  
Harvard School of Public Health/Center for Biostatistics in AIDS Research  
FT (4/16/2009)

**CTSC Software Engineer, Web Tools and Content Req. 36296**, Gr. 057  
Harvard Medical School/CBML/Countway  
FT (3/5/2009)

**Director of Information Systems for Harvard College Financial Aid Req. 36364**, Gr. 059  
Faculty of Arts and Sciences/Harvard College Financial Aid

FT (3/19/2009)  
**Research Computing Associate for Informatics Req. 36423**, Gr. 058  
Faculty of Arts and Sciences/FAS IT

FT (4/2/2009)  
**Scientific Systems Administrator Req. 36366**, Gr. 057  
Harvard School of Public Health/Biostatistics  
FT (3/26/2009)

**Scientific Programmer Req. 36528**, Gr. 056  
Harvard Medical School/CBML  
FT (4/23/2009)

**Technical Support Analyst Req. 36523**, Gr. 056  
Harvard Law School/Information Technology Services  
FT (4/23/2009)

**Director of Information Technology Strategy and Outreach Req. 36526**, Gr. 059  
Faculty of Arts and Sciences/FAS IT

FT (4/23/2009)  
**Scientific Data Curator Req. 36505**, Gr. 056  
Harvard School of Public Health/Biostatistics  
FT (4/16/2009)

## Library

**Head of Cataloging Req. 36503**, Gr. 057  
Harvard Divinity School/Andover-Harvard Theological Library  
FT (4/16/2009)

**Head of Cataloging Req. 36502**, Gr. 058  
Harvard Divinity School/Andover-Harvard Theological Library  
FT (4/16/2009)

## Research

**Research Analyst Req. 36309**, Gr. 056  
Harvard School of Public Health/Center for Biostatistics in AIDS Research  
FT (3/12/2009)

**Research Associate Req. 36442**, Gr. 056  
Harvard Business School/Division of Research & Faculty Development  
PT (4/9/2009)

**Clinical Project Director Req. 36357**, Gr. 057  
Harvard Medical School/Psychiatry  
FT (3/19/2009)

**Research Analyst Req. 36517**, Gr. 056  
Harvard School of Public Health/Biostatistics  
FT (4/23/2009)

**Research Analyst Req. 36470**, Gr. 056  
Graduate School of Education/Center for Education Policy Research  
FT (4/9/2009)

**Scientific Programmer Req. 36383**, Gr. 057  
Harvard School of Public Health/Epidemiology: Program in Molecular and Genetic Epidemiology (PMAGE)  
FT (3/26/2009)

**Research Analyst Req. 36498**, Gr. 056  
Graduate School of Education/Center for Education Policy Research  
FT (4/16/2009)

**Research Analyst Req. 36310**, Gr. 056  
Harvard School of Public Health/Center for Biostatistics in AIDS Research  
FT (3/12/2009)

**Scientific Programmer Req. 36334**, Gr. 057  
Harvard School of Public Health/Epidemiology  
FT (3/19/2009)

**Research Manager Req. 36540**, Gr. 055  
JFK School of Government/Center for International Development  
FT (4/23/2009)

**Research Assistant II - Non Lab (Research Specialist) Req. 36440**, Gr. 053  
Harvard School of Public Health/Nutrition Union: HUCTW, FT (4/9/2009)

**Staff Scientist - Bioinspired Robotics Req. 36495**, Gr. 058  
School of Engineering & Applied Sciences/Wyss Institute  
FT (4/16/2009)

**Project Associate Req. 36354**, Gr. 090  
Faculty of Arts and Sciences/Institute for Quantitative Social Science  
FT (3/19/2009)

**Statistical Programmer/Data Analyst Req. 36370**, Gr. 057  
Harvard Medical School/Health Care Policy  
FT (3/26/2009)

**Head of Magnetic Resonance Physics Req. 36413**, Gr. 059  
Faculty of Arts and Sciences/Center for Brain Science  
FT (4/2/2009)

**Project Associate Req. 36353**, Gr. 090  
Faculty of Arts and Sciences/IQSS Ideas42  
FT (3/19/2009)

**Technical**

**Manager of X-Ray Crystallography Req. 36323**, Gr. 059  
Faculty of Arts and Sciences/Chemistry & Chemical Biology  
FT (3/12/2009)

**Senior Staff Engineer - Automated Materials Synthesis Req. 36436**, Gr. 060  
School of Engineering & Applied Sciences/Wyss Institute  
FT (4/9/2009)

**Assistant Director of Research Operations Req. 36462**, Gr. 058  
Faculty of Arts and Sciences/Stem Cell & Regenerative Biology  
FT (4/9/2009)

## Special Listings

**The Allston Burr Resident Dean** is an assistant dean of Harvard College. It is a half-time position in academic administration, held in conjunction with a half-time teaching appointment. The Resident Dean's primary responsibility is fostering the academic progress and personal welfare of undergraduates in one of the 12 Harvard Houses. Requirements include ability to advise undergraduates about academic opportunities and support services, capacity for academic administration, and excellent oral and written skills. Applications: Interested candidates should apply online at <http://www.orl.fas.harvard.edu/>. Questions can be directed to Catherine R. Shapiro, Assistant Dean of Residential Life at [rdsearch@fas.harvard.edu](mailto:rdsearch@fas.harvard.edu). Further information is available on the Office of Residential Life website at <http://www.orl.fas.harvard.edu/> under job opportunities. Appointments as Resident Deans in the Houses begin July 1, 2009. Harvard University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are strongly encouraged to apply. Review of applications begins April 25, 2009.



Photo courtesy of S. Allen Counter

Harvard's S. Allen Counter has made it his mission to bring to light the work of Matthew Henson, the African-American aide to explorer Robert Peary. Counter (fourth from left) is pictured here with his daughter, Olivia (from far left); Simigaq Henson, wife of Ussarquak, the 73-year-old Inuit grandson of Henson; Ussarquak; and Ootah Odag, great-grandson of Ootah, the Inuit leader who traveled to the North Pole with Henson and Peary in 1909.

## Marking a century since North Pole discovered

*Harvard Foundation's Counter ensures that African-American explorer is remembered*

S. Allen Counter, students, and faculty of the Harvard Foundation make the trek Thursday (April 23) to the U.S. Naval Submarine Base New London in Groton, Conn., to participate in a special reconignment ceremony for the return of the Harvard North Pole Discovery Centennial Commemorative Memorabilia Case. It will be returned to Harvard for exhibit and subsequently taken to high schools throughout New England for educational purposes.

The 100th anniversary of the discovery of the North Pole was marked this year on April 6. For more than 20 years, Harvard Foundation Director S. Allen Counter has made it a mission to bring to light the work of Matthew Henson, the African-American Arctic aide of Robert Peary, the sole explorer credited for reaching the North Pole in 1909.

Both explorers served in the U.S. Navy — Peary was a commander, and at the time of the North Pole exploration, he was on a military mission of geographic discovery, while Henson was a messenger and a field assistant (the highest positions that a “colored” man could hold in the Navy at that time, Counter explained).

“Henson, who by some accounts reached the North Pole first, and of whom Cmdr. Peary has said, ‘I cannot make it without him,’ was ignored by the press and left out of the history books because of racial attitudes in the United States toward African Americans at that time,” explained Counter.

Through a series of meetings in the 1980s with Peary's and Henson's sons, born to Inuit women in Greenland, Counter oversaw the Harvard North Pole Family Reunion, which was completed in 1987. Counter flew the ex-

plorers' 80-year-old sons to the United States to meet the American Henson family and to attend a reinterment ceremony as Counter's request to remove Henson's remains from a common grave in New York's Woodlawn Cemetery was approved.

Henson's body was reinterred in Arlington National Cemetery adjacent to Peary's grave with a fitting new monument and full military honors. The story captured the American imagination and was national news. It is covered in Counter's book “North Pole Legacy: Black, White, and Eskimo” (University of Massachusetts Press, 1991).

Founding what is now called the Harvard North Pole Discovery Centennial Commemorative Project, Counter promised the explorers' sons, who are now deceased, that he would travel with members of their Inuit families to the North Pole on the centennial commemoration of the North Pole discovery by their American fathers.

In the village of Qaanaaq, Greenland, about 40 descendants of Henson and Peary gathered in the local schoolhouse on April 6.

Using the explorers' Navy history, Counter arranged for the USS Annapolis to travel to the North Pole carrying a sealed memorabilia case

honoring the two explorers.

During the ceremony, Counter presented the families with the case containing an American flag; a Holy Bible from Harvard's Memorial Church, signed and dedicated to the North Pole centennial by the Rev. Professor Peter J. Gomes; Peary's 1910 book, “The North Pole”; Henson's 1910 book, “A Negro Explorer at the North Pole”; a letter from President Ronald Reagan in recognition of Peary's and Henson's achievements and their sons' visit to America in 1987; Counter's book chronicling the events; and Inuit ephemera, as well as photographs, letters, and poems from others associated with or touched by the story of Peary, Henson, and their Greenlandic descendants.

“During the ceremony, I presented the families with a letter sent to me by President Barack Obama to mark the occasion,” said Counter.

An excerpt of Obama's letter reads: “I am pleased to join all who are commemorating the last hundred years of Arctic exploration. ... It is only fitting that we honor all those who have risked their lives and well-being to expand our knowledge of our continuously evolving planet.”

## Microbes

*(Continued from page 13)*

the right place at the right time, she was able to capture some of the subglacial brine as it flowed out of a crack in the glacial wall, obtaining a sample of an extremely salty, cold, and clear liquid for analysis.

“When I started running the chemical analysis on it, there was no oxygen,” she says. “That was when this got really interesting. It was a real ‘Eureka!’ moment.”

The fluid is rich in sulfur, a geochemical signature of marine environments, reinforcing suspicions that the ancestors of the microbes now beneath the Taylor Glacier probably lived in an ocean long ago. When sea level fell more than 1.5 million years ago, the researchers hypothesize, a pool of seawater was likely trapped and eventually capped by the advancing glacier.

The exact size of the subglacial pool remains a mystery, but it is thought to rest under 400 meters of ice some 4 kilometers from its tiny outlet at Blood Falls.



Mikucki's analysis showed that the sulfur below the glacier had been uniquely reworked by microbes and provides insight into how these organisms have been able to survive in isolation for so long.

The research answers some questions while raising oth-

**The research team based their analysis on samples taken at Antarctica's Blood Falls, whose red appearance first drew early explorers' attention in 1911.**

Photo by Peter Rejcek/National Science Foundation

ers about the persistence of life in such extreme environments. Life below the Taylor Glacier may help address questions about “Snowball Earth,” the period of geological time when large ice sheets covered Earth's surface. But it could also be a rich laboratory for studying life in other hostile environments.

Mikucki and Pearson's co-authors are David T. Johnston and Daniel P. Schrag at Harvard, Alexandra V. Turchyn at the University of Cambridge, James Farquhar at the University of Maryland, Ariel D. Anbar at Arizona State University, John C. Priscu at Montana State University, and Peter A. Lee at the College of Charleston.

# New wheels on campus spin for sustainability

By Caitlin Rotman

Special to the Harvard News Office

There are some new wheels on campus, and they come attached to the new fleet of VeriFast Cycles, the first bicycles in a pilot bike-share program based out of Harvard's undergraduate Houses. The program will officially be launched during Harvard's Earth Day Celebration "Block Party" on Saturday (April 25), hosted by the Environmental Action Committee (EAC).



Graphic by Caitlin Rotman

An initial fleet of eight John-Deere Green bicycles, complete with basket, lock, helmet, and the VeriFast logo, will hit the road this weekend. The bikes, made from salvaged and refurbished parts, will be split between River House

and Quad Houses; four will be stored in Mather House, and four in Cabot House. Harvard undergraduates and undergraduate House affiliates can reserve and sign out a bike from the superintendent's office in either House.

The bike-share program is the result of months of planning by the EAC, the undergraduate student environmental organization on campus. The program is financed through the Green Crimson Fund, a matching fund to encourage student-run campus education efforts and bring renewable energy to campus. Early this fall, after much debate and research, the members of the environmental student group settled on creating a bike-share program that they hope will serve as a visible, campus-wide reminder that the best way to make energy use more sustainable is to conserve fuel resources.

Katie Walter '10, co-chair of the Harvard EAC,

explains, "We think that bikes will not only be a highly visible expression of Harvard's commitment to sustainability, but they will also improve student life on campus." An EAC survey shows that 67.7 percent of undergrads do not have a bike, and 88.1 percent would use a bike-sharing program. "It is our hope that having bikes available to students now will encourage them to become bikers for life," Walter adds.

EAC members were inspired by thriving bike-share programs in cities such as Barcelona and Paris, as well as on other college campuses. If successful, this pilot program will expand to other Houses and the freshman yard next year. The ultimate aim is to generate enthusiasm that might one day translate to a campuswide or citywide bike-share program.

Caitlin Rotman '10 is a resident of Adams House.

## Soil

(Continued from page 1)

employs 29 landscapers. FMO maintains most of Harvard's lawn, shrub, and tree assets.

The soils restoration project, guided by Fleisher, also drew on Michael Van Valkenburgh, Charles Eliot Professor in Practice of Landscape Architecture at GSD; the physical resources and planning office at the Faculty of Arts and Sciences; and New York arborist James Sotillo of Tree Wise Inc.

Organic methods will be used exclusively on FMO-maintained properties within the next two years, said FMO landscape services manager Wayne Carbone.

Last year's pilot project started in March on an acre of grass and trees between Massachusetts Hall and the Phillips Brooks House. (A control plot was behind Grays Hall.)

Initial soil testing — for biology, texture, and nutrient content — revealed that, in landscape terms, the patient was sick.

Soil compaction just beneath the surface made it hard for root systems to penetrate to rich zones of water and food. Organic matter was low, bacterial levels were high (since their protozoan predators were too few), and healthy fungal colonies barely had a subsurface foothold. (Threadlike fungi hold water close to roots, and provide a nutrient reserve.)

Most telling, the soils beneath the Harvard Yard test area contained only 25 to 50 pounds of nitrogen per acre. (Healthy soils hold about 150 pounds.)

FMO landscapers, with training from Fleisher, amended the soils with custom-made compost "teas." The rich, dark liquids were brewed in 250-gallon vats fitted with aeration pumps, then sprayed onto needy soils.

"You're applying something that's a living material," said Fleisher — so fresh and ready it has a shelf life of only two hours.

The first tea formulations in April last year — 300 gallons worth — encouraged colonies of fungi and increased protozoa. (Protozoa, single-celled animals, eat bacteria and excrete nitrogen near hungry root systems. A million or so are in every teaspoon of healthy soil.)

Over the next two weeks, the test plots were treated with one-time organic growth enhancers, aerated, seeded, and layered with compost.

By May, the test soils were demonstrably healthier by both field and laboratory measures. By September, stunted root systems had stretched out up to 5 inches, the biomass of microorganisms had increased, and nitrogen levels were within a healthy range.

"The results are there," said Carbone, a 28-year landscaping veteran.

Roots grew fast, but grass grew slowly. Once cut twice a week, it was now cut only once a week.

Deeper roots in healthier soil retain moisture better; irrigation rates dropped to half that of Harvard's conventionally landscaped plots. At that rate, less watering in Harvard Yard could save more than 2 million gallons of water a year.

Yard soils were once so compact that aerating them was like punching holes in a parking lot, said Carbone. After restoration, it was like poking into butter.

Meanwhile, last year's test plots turned into living classrooms and soil labs. Fleisher and Carbone trained Harvard landscapers about tea brewing, composting, and sophisticated soil diagnostics.

In October, Arnold Arboretum senior research scientist Peter Del Tredici visited the test plots with a class. Anne Pringle, an assistant professor of organismic and evolutionary biology at Harvard, used soils data in a bioinformatics lab



Photos Katherine C. Cohen/Harvard News Office

Horticulturist Kieran Clyne makes his special brew of tea from the compost (at right).

exercise. And Harvard doctoral biology student Benjamin E. Wolfe employed DNA sequencing to study fungal and bacterial diversity in the Harvard soils.

Carbone and others shared news of the project during last October's Sustainability Week, and last November at a two-day Ivy Plus conference on sustainability. (Harvard is the only Ivy League school with a fully organic maintenance program.)

Another spin-off of the soils project is Harvard's first large-scale composting operation, now in place at the Harvard Arboretum — a money-saver. Last year alone, trucking landscape waste off-site cost the University \$35,000.

The pilot program — including consultants, soil analysis, and contract labor — cost about \$40,000. One-time costs for the composting operation, tea brewers, and other soils-restoration gear added another \$45,000.

Lessons learned on a large scale at Harvard can be applied on a small scale at home, the experts say. To help, FMO is developing plans for an affordable backyard brewing kit for organic compost tea.

And home composting tips — including temperature guidelines, and tips on texture, aeration, and moisture content — already appear on the FMO Web site, [www.uos.harvard.edu/](http://www.uos.harvard.edu/).

Any of Harvard's sustainability steps, including smart energy usage, depend on individual behavior, said Heather Henriksen, director of Harvard's Office for Sustainability. Composting and organic landscaping can be individual too.

"Everybody," she said, "should do this."

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### On the Web

Home composting tips appear on the FMO Web site: [www.uos.harvard.edu/](http://www.uos.harvard.edu/)

### Sustainability at Harvard

<http://green.harvard.edu/>

### Earth Week events

**April 23:** CERtoon Award ceremony and slideshow with 2009 finalists (FAS-Queens Head Pub, [www.greencampus.harvard.edu/CERtoon/](http://www.greencampus.harvard.edu/CERtoon/)) 4:30-5:30 p.m.

Earth Day Trivia Night (FAS, Queens Head Pub) 6 or 7 p.m.

Sustainability Showcase (HMS-Courtyard Café) 11 a.m.-2 p.m.

Sustainability Lunch Lecture with Professor Tim Weiskel (HSPH-FXB G-13) 12:30-2:30 p.m.

Iron Chef (HUDS, Quincy House)

**April 24:** EcoOpportunity Panel with lunch provided (HSPH, François-Xavier Bagnoud Center-G13) 12:30-1:30 p.m.

Ministry and Earth Community Conference (DIV) 8 a.m.-5 p.m.

Earth Day Quorum Call student social event (HKS-HKS Town Hall) 4-6 p.m.

**April 25:** Earth Day celebration (MAC Quad) 11 a.m.-3 p.m.

Model dorm room display (FAS)

Green tour of Harvard Yard (FAS)

Green Cup winner announced (FAS)

Bottled water taste test and recycling test (FAS)

Charles River cleanup (UOS group — north side of Charles River between the corner of Memorial Drive and Western Avenue and Peabody Terrace) 9 a.m.-noon