

Inside & ONLINE



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Hansjörg Wyss gives \$125M to create institute

Alumnus' gift to advance the field of biologically inspired engineering

Engineer, entrepreneur, and philanthropist Hansjörg Wyss MBA '65 has given Harvard University \$125 million to create the Hansjörg Wyss Institute for Biologically Inspired Engineering.

Investigators at the Wyss Institute (pronounced "Vees") will strive to uncover the engineering principles that govern living things, and use this knowledge to develop technology solutions for the most pressing healthcare and environmental issues facing humanity. Wyss' gift is the largest individual gift in the University's history.

"I am deeply grateful to Hansjörg Wyss for this gift, which will allow Harvard to make a transformational investment in powerful, collaborative science," said Harvard President and Lincoln Professor of History Drew Faust. "The Wyss Institute for Biologically Inspired Engineering will form the bedrock for Harvard's emerging efforts in this critical area and will affect research, teaching, and the training of future leaders in this field.

"We regard this gift as an enormous vote of confidence by a donor who is both

extraordinarily generous and extraordinarily knowledgeable in this field," Faust continued. "This gift underscores Harvard's ability to lead and to make very significant contributions in a field that is of increasing importance to scientists in a number of areas and to science more generally."

The Wyss Institute will be a collaborative enterprise bringing together experimentalists, theoreticians, and clinicians with expertise in engineering, biology, chemistry, physics, mathematics, (See **Wyss**, page 8)



Wilson perceives social structure and culture as key causes of poverty

By **Stephanie Schorow**
Special to the Harvard News Office

In speaking frankly about the seemingly in-placable problems in the inner cities, Harvard University Professor William Julius Wilson traveled a road that liberals fear to tread and that conservatives tend to take.

Wilson, the Lewis P. and Linda L. Geysler University Professor and an award-winning author and researcher, dissected the twin influences of culture and social structure in the persistence of youth violence, unemployment, and fragmentation of families within poor African-American communities and concluded that both factors must be considered in determining how to end the cycle of poverty.

"For many years, social scientists and other observers have debated the role of social structure versus culture in determining the social outcomes of African Americans," Wilson said during a talk on "More Than Just Race: Social Structure and Culture in the Study of Inner City Poverty," the first colloquium of the year of the W.E.B. Du Bois Institute for African and African American Research on Oct. 1.

"Conservatives tend to emphasize cultural factors, such as attitude, worldview, [and] styles of behavior, whereas liberals pay more attention to structural conditions, with attention devoted to racialist structural factors, such as discrimination and segregation."

Indeed, "many liberals are reluctant to discuss or research the role that culture plays in the negative outcomes found in inner cities," possibly fearing criticism that they are "blaming the victim," Wilson said.

However, Wilson — described by Du Bois Institute Executive Director Vera I. Grant as "without question our foremost authority on urban poverty" — said he has created a framework that combines cultural and structural factors to analyze the perpetuation of the inner-city ghetto.

Drawing on research from his upcoming book, "More Than Race: Being Black and Poor in the Inner City" (W.W. Norton, 2009), Wil-

(See **Wilson**, page 28)

Stephanie Mitchell/Harvard News Office
Henry Louis Gates Jr. listens to William Julius Wilson: '... many liberals are reluctant to discuss or research the role that culture plays in the negative outcomes found in inner cities.'

This month in Harvard history

Oct. 14, 1763 — At the College library in Old Harvard Hall, Ephraim Briggs, Class of 1764, checks out “The Christian Warfare Against the Deuill World and Flesh” by John Downame, one of several hundred books that John Harvard had bequeathed to the College in 1638.

The book remains overdue on Jan. 24, 1764, when flames destroy Old Harvard Hall. Only 404 volumes survive, including Briggs’s overdue book, which thus becomes the only surviving text from John Harvard’s 1638 bequest. (In 1942, Downame’s book leaves Widener Library to become the first volume placed in the newly completed Houghton Library, where it remains today.)

Oct. 30, 1852 — Citing “a precarious state of health,” Jared Sparks submits his letter of resignation from the presidency. He serves until the following February.

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

MEMORIAL SERVICES

Richmond memorial program scheduled for Oct. 27

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

FACULTY COUNCIL

At its third meeting of the year on Oct. 8, the Faculty Council discussed Dean Michael D. Smith’s upcoming letter to the Faculty and considered changes to the procedures for responding to allegations of misconduct in research.

The council next meets on Oct. 29. The preliminary deadline for the Nov. 18 Faculty meeting is Nov. 3 at 9:30 a.m.

CLARIFICATION

Three photos of the St. Petersburg program in last week’s article, “Study abroad students have lots to say, in lots of languages,” should have been credited to Vladimir Gitin, senior preceptor in Slavic languages and literatures. The Gazette regrets the omission.

PRESIDENT’S OFFICE HOURS 2008-09

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

Thursday, Oct. 16, 4-5 p.m.
Thursday, Nov. 13, 4-5 p.m.
Monday, March 16, 2009, 4-5 p.m.
Thursday, April 23, 2009, 4-5 p.m.

Sign-up begins one hour earlier unless otherwise noted. Individuals are welcome on a first-come, first-served basis. A Harvard ID is required.

Sky times two



Kris Snibbe/Harvard News Office

The graceful curve of the CGIS Knafel building reflects a partly cloudy, early autumn sky.

Milton Fund deadline Oct. 15

Voting faculty from all of Harvard’s Schools and the Junior Fellows of the Society of Fellows are eligible to apply for grants from the Milton Fund, which supports original research by Harvard faculty. Milton grants have enabled hundreds of Harvard faculty, particularly assistant professors, to explore new ideas and launch innovative pro-

jects, often shaping lifelong investigative interests and scientific collaborations.

The Milton Fund has grown over the decades with more than \$1 million awarded in recent years. The current grant limit is \$35,000 and applications are due on Oct. 15. For more information, visit www.hms.harvard.edu/spa/funding/internal/milton.shtml.

POLICE REPORTS

Following are some of the incidents reported to the Harvard University Police Department (HUPD) for the week ending Oct. 6. The official log is located at 1033 Massachusetts Ave., sixth floor, and is available online at www.hupd.harvard.edu.

Oct. 2: An officer was dispatched to Cabot House to take a report of the following stolen items: three laptop computers, a laptop charger, keys, and a backpack. A blue Range Rover was also stolen from a nearby parking lot. It contained two sets of golf bags with clubs, two backpacks, a pair of flip-flops, textbooks, and cash. The vehicle was found in another location; however, only the flip-flops and two backpacks were recovered. At Boylston Hall, an individual’s identification card was stolen. Officers were dispatched to Massachusetts Hall to a report of an unwanted guest. When officers arrived, the individual was in the process of leaving the area.

Oct. 3: At the Science Center, an individual received a suspicious letter. An individual in the Holden Green Complex set off a fire alarm after putting a hanger on a sprinkler head. When the individual tried to remove the hanger, the head broke off, activating all of the sprinklers and flooding the residence.

Oct. 4: A theft was reported at Terry Terrace, where items were stolen from an individual’s bicycle. There were no suspicious individuals in the area at the time of the theft.

Oct. 5: An unwanted guest was removed from Shattuck House. At Eliot House, officers were dispatched to a report of two suspicious individuals. The individuals were issued a trespass warning and sent on their way. Officers were dispatched to the Blackstone Steam Plant Complex to assist with locating an individual involved in a robbery.

Oct. 6: Officers sent an unwanted guest on their way at the Holyoke Center. A trespass warning was issued to an unwanted guest at the Baker Center. At 1306 Massachusetts Ave., an individual was arrested and charged with disorderly conduct and threat to commit a crime, after harassing individuals passing by and threatening dispatched officers.



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

Address Changes: Harvard Gazette

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

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The Harvard Stem Cell Institute's science editor Lisa Girard (right) says of the 'StemBook' project, 'It's really something that's going to grow and evolve. We could have 800 chapters with the amount of information out there. We're only limited by our ability to control the quality.'



Justin Ide/Harvard News Office

HSCI creates Web presence for research

Online stem cell textbook seeks to inform academic, professional communities

By Alvin Powell
Harvard News Office

The Harvard Stem Cell Institute (HSCI) and the Harvard Initiative in Innovative Computing (IIC) have launched an online stem cell textbook that seeks to engage and inform the stem cell community as it presents up-to-date stem cell science in a format useful to scientists and students.

Though created by the Harvard Stem Cell Institute, "StemBook" is a collaboration between scientists at Harvard and across the globe. The site launched in early September with 16 chapters. About 80 chapters have been commissioned so far, to be written by stem cell scientists around the world, according to Lisa Girard, the HSCI's science editor.

"It's really something that's going to grow and evolve," Girard said. "We could have 800 chapters with the amount of information out there. We're only limited by our ability to control the quality."

Each chapter will be peer-reviewed and updated every two years by the author to ensure that the site stays current. Chapters are written journal-style, with beginning abstracts, figures, and notes. The online format allows a rich reading experience, with links within the text to a glossary of relevant terms, to sources in each chapter's notes, and to on-

line databases of relevant journal articles from which the chapter's material is taken.

Girard said the idea for "StemBook" came from her experience as a biologist studying *C. elegans*, a roundworm whose simple physical systems have made it a laboratory model for scientists.

Girard worked on a similar project for the roundworm, called "WormBook," which contains a large library of chapters on *C. elegans* biology, written by scientists working on the worm. Girard said "WormBook's" more than 140 chapters are immensely popular in the *C. elegans* research community, having achieved something on the order of 100,000 hits per month. Once it gets up and running, Girard expects "StemBook" to be equally popular.

David Schaffer, professor of chemical engineering at the University of California, Berkeley, and author of one of the chapters in "StemBook," said that the fact that stem cell biology is a relatively new field makes an online resource such as "StemBook" — which can be frequently updated with new information and revisions of old information — particularly appropriate.

Schaffer said "StemBook" fills a niche that in more established fields is filled by print textbooks and review articles in scientific journals.

"You need something a bit more nimble when the field is at its birth," Schaffer said. "I think it's a

great concept. We're very glad to be a part of this and look forward to reading all the other articles over the next few months."

The site is a collaboration with Harvard's Initiative in Innovative Computing (IIC). Tim Clark, an instructor in neurology at Harvard Medical School, core member of the IIC, and a principal investigator of the "StemBook" project, together with project manager Sudeshna Das developed what Clark called a "collaborative framework" for the site that allows it to grow and allows interaction between researchers and interconnection between the site and other online sources, such as databases of journal articles.

"StemBook" is not just an online journal," Das said. "StemBook" is meant to be an interactive journal; it's meant to be an online discussion of biology."

The framework allows the site to link to others that are built using the same technology but centered on other subjects, such as specific diseases. The common Web site framework will allow researchers in different scientific communities to communicate with each other, allowing cross-sharing of information in what Clark said was not just a scientific community built around a specific subject, but a "community of communities."

"There's a lot of interesting cross-fertilization," Clark said.

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To view 'StemBook,'
www.stembook.org/

NEWSMAKERS

Dowling recipient of Paul Kayser Award

John E. Dowling, Gordon and Llura Gund Professor of Neurosciences of the Department of Molecular and Cellular Biology as well as professor of Ophthalmology in Neuroscience, recently received the Paul Kayser International Award in Retina Research from the International Society for Eye Research (ISER). He received the award at the 2008 Biennial Congress held in Beijing, in addition to presenting a plenary lecture and participating in a symposium on retinal mechanisms. While in China, Dowling and his wife Judith — former masters of Leverett House — were also guests of Lanzhou University, which is celebrating its centennial this year. At Lanzhou, the Dowlings presented a centennial lecture titled "The Art of Seeing" to an audience of about 1,000 university members.

HUHS Office of Alcohol & Other Drug Services named prevention leader

The Harvard University Health Services (HUHS) Office of Alcohol & Other Drug Services (AODS) was named this year's "Outstanding Leader in Prevention" by the city of Cambridge. The award recognizes the Cambridge organization/agency that has provided Cambridge with superior service in the prevention of substance abuse.

Since its inception (August 2005), the AODS has maintained a collaborative partnership with the Cambridge Prevention Coalition (CPC) and several city agencies. As AODS Director Ryan Travia explained, "The AODS routinely meets with colleagues from the CPC; Cambridge License Commission; Cambridge Police Department; local bar, restaurant,

and package store owners; and my counterpart at MIT [Massachusetts Institute of Technology] in an effort to address common challenges and to collaborate toward solutions. All of these partners share the common goal of preventing underage and high-risk drinking and are extremely dedicated to the students they serve, from the elementary level through graduate and professional school."

"I am also extremely proud of my staff, including our 27 drug and alcohol peer advisers," noted Travia. "AODS staff, associates, and our student-leaders are all incredibly invested in making the Harvard campus a healthier community."

— Compiled by Gervis A. Menzies Jr.

Miles named HGSE senior associate dean for Development

Lynn Miles will become the Harvard Graduate School of Education (HGSE) senior associate dean for Development and Alumni Relations, effective Oct. 1.

APPOINTMENT As former assistant vice president for resources, director of the Leadership Gift Program, and most recently, acting vice president for resources at Wellesley College, Miles' distinguished career in development includes

playing a key role in designing and executing a highly successful campaign that raised \$472.3 million — a record for liberal arts colleges.

"We are fortunate to have recruited someone of Lynn's caliber to lead our strong team in Development and Alumni Relations, which will play an integral role in our exciting plans for the School's future," said HGSE dean and Gerald S. Lesser Professor in Early Childhood Development Kathleen McCart-

ney. "Lynn's colleagues have praised her management and leadership style as well as her fundraising expertise, particularly in the area of campaign planning and execution. I have been struck by her intellect, her warmth, and her quick ability to understand the mission, goals, and dreams of HGSE. I am looking forward to working with her to turn our vision into reality."

At the School, Miles will oversee major

gifts, alumni relations, development, information services, the annual fund, and all development communications. Previously, Miles has also worked as director of major gifts for New England Medical Center and as director of development for the Floating Hospital for Children at Tufts Medical Center. She earned her B.A. in psychology from the University of Michigan and a professional designation in public relations from UCLA.

Spend an 'Evening with Champions' Oct. 10-11

Top world skaters will skate for a cause this weekend (Oct. 10-11) when they gather at Bright Hockey Center for the Jimmy Fund's annual "An Evening with Champions." Hosted by 1992 Olympic silver medalist Paul Wylie '90, the event has raised more than \$2.4 million for the Jimmy Fund, which supports adult and pediatric cancer research and care at the Dana-Farber Cancer Institute.

Participating skaters include 2007 World Champion Miki Ando, 1964 Olympic gold medalists Ludmilla and Oleg Protopopov, and national synchronized skating champions the Haydenettes, among others.

"An Evening with Champions" was started in 1970 by former U.S. champion John Misha Petkevich, and since then has been run entirely by Harvard University students.

The performances will start on Friday (Oct. 10) at 8 p.m. and on Saturday (Oct. 11) at 7 p.m. On Saturday afternoon pediatric cancer patients from the Jimmy Fund Clinic will have an opportunity to skate with performers, and a silent auction held before the show that evening will include Patriots tickets, hotel stays in New York City, and a prize drawing.

Tickets are \$32 (adults), \$12 (children and senior citizens), and \$8 (college undergraduates). Group rates are also available for groups of 10 or more. Tickets can be purchased through the Harvard Box Office, (617) 496-2222. For more information, visit www.jimmyfund.org/skating.

Honoring a colleague



Nick Welles/Harvard News Office

David L. Hempton (right), Alonzo L. McDonald Family Professor of Evangelical Theological Studies at Harvard Divinity School, delivered the keynote address Oct. 3 at the School's two-day 'Conference on American Religious History,' which honored the career of David D. Hall (left), Bartlett Research Professor of New England Church History.

Weatherhead Center introduces 26 doctoral candidates for 2008-09

Twenty-six doctoral candidates will be supported by the Weatherhead Center for International Affairs for the 2008-09 year. The associates come from a multidisciplinary group of advanced-degree candidates in the Graduate School of Arts and Sciences' departments of Anthropology, Economics, Government, History, Health Policy, Middle East Studies, Social Policy, and Sociology. All of the students are working on dissertations related to international affairs.

The center provides the associates with office space, computer resources, and research grants, and they participate in a variety of seminars, including their own graduate student seminar during which they present their work and receive feedback.

The center has also granted dissertation completion fellowships to two associates for 2008-09, Yevgeniy Kirpichevsky and Giacomo Ponzetto, as well as Nico Slate, a Ph.D. candidate in History.

The 2008-09 Graduate Student Associates and their research projects, are as follows:

Marcus Alexander, Ph.D. candidate, Department of Government: Behavioral political economy; experimental social science; econometrics; dynamics of conflict and cooperation.

Christopher Bail, Ph.D. candidate, Department of Sociology: Diverse Diversities: The Configuration of Symbolic Boundaries Against Immigrants in 23 European Countries.

Suzanna Chapman, Ph.D. candidate, De-

partment of Government: Measuring and explaining trends in restrictive immigration policy in wealthy democracies (1960-2006).

Alex Fattal, Ph.D. candidate, Department of Anthropology: Demilitarization, demobilization, and reintegration of insurgents in Colombia.

Garner Gollatz, Ph.D. candidate, Department of Anthropology: Healing, pilgrimage, and spirituality at the Sanctuary of Lourdes, France.

Karen Grépin, Ph.D. candidate, Department of Health Policy: Economics of health systems; health human resources; and effectiveness of health development assistance. Research area: Africa, specifically Ghana.

Zongze Hu, Ph.D. candidate, Department of Anthropology: How locals have encountered and seen the national state in a North China village.

Robert Karl, Ph.D. candidate, Department of History: State formation, politics, violence, and U.S. influence in 20th century Colombia.

Yevgeniy Kirpichevsky, Ph.D. candidate, Department of Government: Secret weapons and secret diplomacy in international relations.

Ian Klaus, Ph.D. candidate, Department of History: The role of trust in the business and military relations of the British Empire.

Diana Kudayarova, Ph.D. candidate, Department of History: Labor policy and labor market strategies of white-collar professionals in the Soviet Union.

Rebecca Nelson, Ph.D. candidate, De-

partment of Government: Explaining variation in the terms of sovereign debt restructurings with private creditors in the post-World War II era.

Vernie Oliveiro, Ph.D. candidate, Department of History: The United States' efforts against the bribery of foreign public officials by multinational corporations wishing to do business abroad (1975-1997).

Sabrina Peri, Ph.D. candidate, Department of Social Anthropology: Examining intersections of violence, identity, and primary resource extraction in Bosnia and Herzegovina's ethnographic present, and in its history.

Sanjay Pinto, Ph.D. candidate, Department of Sociology and Social Policy: The political economy of social stratification: Varieties of occupational structure in post-industrial and newly industrialized societies.

Giacomo Ponzetto, Ph.D. candidate, Department of Economics: The role of partisanship and voters' asymmetric information in the political economy of trade policy.

Brenna Powell, Ph.D. candidate, Department of Government and Social Policy: Comparative ethno-racial politics, civil conflict, and political violence; dissertation work in Northern Ireland, Brazil, and the United States.

Jonathan Renshon, Ph.D. candidate, Department of Government: How status considerations affect the calculations of states in international politics.

Meg Rithmire, Ph.D. candidate, Department of Government: Building modern cities:

Development, space, and power in urban China.

Claire Schwartz, Ph.D. candidate, Department of Government: Implications of the shift from state governance toward "civil governance" in industrial regulation and the differential effects of developed and developing countries.

Sarah Shehabuddin, Ph.D. candidate, Department of Government: The rules of engagement: Women's rights and the determinants of secularist-Islamist relations.

Anthony Shenoda, Ph.D. candidate, Department of Anthropology and Middle East Studies: Coptic Orthodox Christian encounters with the Miraculous in Egypt.

Anya Vodopyanov, Ph.D. candidate, Department of Government: Political economy of service provision in the Middle East: Impact of increased basic service provision by Islamic groups on the quality and reach of government services.

Ann Marie Wilson, Ph.D. candidate, Department of History: An investigation into the origins of modern American human rights activism, focusing on the Anglo-American humanitarian movements that arose in response to crises in Armenia, Russia, and the Congo Free State between 1880 and 1920.

Lili Zhang, Ph.D. candidate, Department of Government: Reputation and War Termination: An approach based on psychology and behavioral economics.

Min Zhou, Ph.D. candidate, Department of Sociology: Grassroots organizations in the 2005 anti-Japan movement in China.

The pine beetle's tale: Destructive insect has pharmaceutical potential

By David Cameron
HMS Communications

Researchers at Harvard Medical School and the University of Wisconsin, Madison, have discovered how beetles and bacteria form a symbiotic and mutualistic relationship — one that ultimately results in the destruction of pine forests. In addition, they've identified the specific molecule that drives this whole phenomenon.

The findings, published in the Oct. 3 issue of *Science*, indicate that the tiny creatures — responsible for rampant and widespread forest destruction — carry on their backs battling species of fungi, plus a powerful antibiotic molecule that can destroy pathogenic fungi — something that no current medica-

tions have achieved.

Pathogenic fungal infections are a significant clinical challenge. These findings suggest a potential new source of pharmaceuticals for that purpose. In addition, this study shows how the symbiotic relationships between plants, animals, and microbes are essential for the diversification of life and evolution of organisms.

The context of this discovery can easily be imagined as a story arc that includes some of the most unlikely characters and props.

Setting: The interior of a pine tree.

Enter the protagonist: The pine beetle, boring its way through the bark, a 5 millimeter arthropod ready to go into labor and lay a few hundred eggs. Tucked in a specialized storage compartment in its shell, the

beetle has a ready supply of spores for *Entomocorticium*, a nourishing fungal baby food for the beetle's gestating larvae.

Enter the antagonist: The mite, a microscopic interloper that secretly hitched a ride on the beetle.

Conflict: Unbeknownst to mother pine beetle, the mite has snuck in a supply of *Ophiostoma minus*, a pathogenic fungi that can wipe out the entire supply of fungal larvae food. The mite releases this toxin.

Climax: Will the baby beetles die of starvation?

Resolution: Catching the mite off guard — as well as the scientists conducting the study! — the mother beetle is ready with *actinomyces*, a bacteria that



Image courtesy of Clardy Lab
The tree-destroying pine beetle in flight.

(See *Beetle*, next page)



Photo courtesy of Work/Life Resources @ Harvard

A new program, nicknamed Ladder ACCESS, will provide significant financial assistance to income-eligible ladder faculty with very young children.

Giving faculty a leg up the ladder

New initiative designed to help professors meet family needs without sacrificing advancement

Harvard University is launching a new initiative for ladder faculty designed to help professors meet their family caregiving needs while succeeding throughout their academic careers.

Assistant and associate professors must achieve milestones within a limited time frame, one that can overlap significantly with childbearing years. And once they're awarded tenure, the demands on full professors' time only increase. Balancing this with the extremely high cost of quality child care in the Boston area can lead to hard choices, including whether to stay on an academic path, to leave the region in search of

a less expensive environment, or to delay or forego childbearing.

"Harvard's mission of learning, teaching, and research relies on our ability to attract the best scholars to our campus," said President Drew Faust. "Investing in this initiative means keeping the academy open to parents, which is one of many routes to increased diversity in academia."

The program, nicknamed Ladder ACCESS (Access to Child Care Excellence, Services, and Support), will make significant financial assistance to income-eligible ladder faculty with very young children. "We know that young scholars weigh quality-of-life is-

ues along with professional opportunity when considering an appointment," said Judith D. Singer, senior vice provost for Faculty Development and Diversity and James Bryant Conant Professor of Education. "Among faculty, those who are parents can be disproportionately burdened by the cost of child care in this region. We need to make sure this is not a deciding factor when faculty are offered appointments at Harvard or an impediment to a faculty member's success in meeting the demands inherent in a challenging academic career."

(See *Ladder*, next page)

Smoking, burning solid fuels in homes in China projected to cause millions of deaths

By Todd Datz
HSPH Communications

If current levels of smoking and of burning biomass and coal fuel in homes continues in China, researchers estimate that between 2003 and 2033, 65 million deaths will be attributed to chronic obstructive pulmonary disease (COPD) and 18 million deaths to lung cancer, accounting for 19 percent and 5 percent of all deaths in that country during this period, respectively.

Researchers at the Harvard School of Public Health (HSPH) predict that the combined effects of these two major factors alone will be responsible for more than 80 percent of COPD deaths and 75 percent of lung cancer deaths in China over a 30-year period. But interventions to reduce smoking and household use of biomass fuels and coal for cooking and heating could significantly reduce the number of deaths.

The findings are from a study that will appear in the Oct. 25 print issue of the British medical journal *The Lancet*. It is the first quantitative analysis to look at the combined effects of smoking and household fuel use on COPD, lung cancer, and tuberculosis (TB).

Respiratory diseases are among the 10 leading causes of deaths in China. About half of Chinese men smoke, and in more than 70 percent of homes in China residents cook and heat with wood, coal, and crop residues. Smoking and pollution from indoor burning of these fuels are major risk factors for COPD and lung cancer and have been linked with tuberculosis. Globally, more than 900 million of the world's 1.1 billion smokers currently live in low- and middle-income countries, and about one-half of the world's population uses biomass fuels and coal for household energy.

Drawing from data on smoking, fuel use, and current as well as projected levels of COPD, lung cancer, and TB, the authors set out to estimate the effects of modifying smoking and fuel use on future COPD and lung cancer deaths and TB incidence. They grouped the results into scenarios based on whether interven-

(See *Smoke*, next page)

Beetle

(Continued from previous page)

neutralizes the toxic fungi by means of a tiny fatty acid.

Conclusion: While *actinomyces* rescues the baby beetles from certain starvation, the larvae-friendly *Entomocorticium* softens up the pine, allowing the fledgling beetles to eat not only the fungi but the tree itself. Soon, the young beetles leave to begin their new lives. Mother beetle gathers up the remaining supply of *Entomocorticium* and heads for another tree. The beetles live, and the infernal mite is thwarted.

Surprise ending: The camera pans back, and we quickly realize that the beetles' success has cost the tree its life. An aerial view reveals miles and miles of dead pine forest, and, as the ominous audio track implies, scores of pine beetles will continue moving from tree to tree leaving ravished forests in their wake.

"So you have a beetle, a mite, a tree, two kinds of fungi, and a bacterium," says Jon Clardy, Harvard Medical School professor of biological chemistry and molecular pharmacology, who, along with Cameron Currie from the University of Wisconsin, Madison, is co-senior author on the study. "Discovering this particular bacterium, and the active molecule, has added the molecular dimension to this chemical ecology of this complex multilateral system. It highlights the importance of bacteria in ways that people don't really even think about."

The groundwork for this study began in 1999 when Currie published a paper demonstrating how leafcutter ants mediate their fungal environment through bacteria. Suspecting that this phenomenon may be common throughout the animal kingdom, Currie teamed up with Clardy to examine the pine beetle.

Pine beetles are like little landscape engineers drilling through the bark and into pine trees, using fungus to create an environment in which to lay their eggs. As a result of this activity, thousands of miles of trees are destroyed each year, often resulting in widespread forest fires. Regions such as western Canada are particularly affected by this chain of events.

Experts have known that just like the fungus-growing ants, pine beetles also use fungus to feed their larvae, and that they often managed to avoid the adverse affects of pathogenic fungi often present in the tree. But the precise means by which they interact with fungal microbes has never been demonstrated.

Currie and research assistant Jarrod Scott discovered that the beetle carries a bacteria in a specialized compartment, and after a series of experiments found that the bacteria produced an anti-fungal agent that killed the pathogenic fungi snuck in by the trespassing mite.

In order to delve deeper into how the bacteria work, Dong-Chan Oh, a postdoctoral researcher in Clardy's Harvard Medical School lab, used a variety of laboratory tools, such as nuclear magnetic resonance techniques and chromatography, to both locate the molecule and identify its structure. The molecule turns out to be a kind of fatty acid.

"It's becoming clear that symbiotic relationships between plants, animals, and microbes are essential for the diversification of life and evolution of organisms," says Currie. "This is an example of a system where we have insights into the importance of the diversity of microbes. We believe that this type of mutualism is widespread."

In addition, the researchers suspect that this association represents a source of small molecules that can be used in medicine.

"This molecule is nature's anti-fungal," says Clardy, "and it looks like there are a lot of them."

This finding is particularly significant because pathogenic fungal infections in people are a major health concern. These infections are often fatal, and at the moment, no reliable medications for them exist. Here, however, we have an example of an antibiotic successfully disabling a powerful fungi.

"This particular molecule is too unstable to be a viable candidate," says Clardy. "Still, we need to study how it kills fungi, learn the mechanisms. We can look into other bacterial genomes and investigate other anti-fungal processes."

Suspecting that a symbiotic dynamic is far more the rule than the exception, Clardy and Currie are investigating other insect species as well to see how universal this "story arc" is.

This research was funded by the U.S. Department of Agriculture, the National Institutes of Health, and the National Science Foundation. The funding and data sources for this study had no role in study design; in the collection, analysis, and interpretation of data; or in the writing of the report.

Smoke

(Continued from previous page)

tions involved moderate control of smoking and fuel use, aggressive control, or a complete cessation of exposures to the pollutants.

They found that reducing those two risk factors would significantly decrease deaths from COPD and lung cancer. If smoking and biomass and coal use were to be eliminated gradually over the next 30 years, an estimated 26 million COPD deaths (40 percent of projected COPD deaths) and 6 million lung cancer deaths (34 percent of projected lung cancer deaths) would be avoided. For moderate- and aggressive-control scenarios, deaths from these

diseases could be reduced by an estimated 17 percent to 34 percent among men and 18 percent to 29 percent among women. There will also be major benefits for TB, above and beyond those that can be achieved through treatment.

Hsien-Ho Lin, a graduate student in the Department of Epidemiology at HSPH and the lead author of the study, said, "This analysis shows that smoking and fuel use, which affects hundreds of millions of people in China, will be a defining feature of future health in that country."

Policy responses and specific interventions could help reduce the enormous disease burden from smoking and

household fuel use. In the article, the authors suggest that at the national level, for example, authorities could create regulatory and economic policies that reduce smoking and promote clean household fuels. At the individual level, TB patients could be offered tobacco cessation programs.

"There are proven ways to reduce tobacco smoking and to provide homes with clean-burning energy alternatives. China can save millions of premature deaths from respiratory diseases in the next few decades if it leverages its effective policy system to implement these interventions," said Majid Ezzati, associate professor of international health at HSPH and senior author of the study.

Solemn faces



Kris Snibbe/Harvard News Office

A banner hanging in front of the Peabody Museum highlights the museum's collections. The top image shows a sandstone sculpture, Veracruz-Llave, Mexico, ca. AD 1300. The bottom image shows a commercial print of a man, albumen with applied color, Japan, ca. 1870.

Ladder

(Continued from previous page)

"This initiative goes some of the way toward leveling the playing field," said Evelyn Hammonds, former senior vice president for Faculty Development and Diversity, now dean of Harvard College, under whose leadership the program was conceived. "In the extremely demanding realm of tenure-track academia, faculty with child care responsibilities face even more hurdles. This scholarship program will help people afford the types of care they need in order to meet academic challenges successfully."

The new initiative is aimed at ladder faculty — assistant, associate, and full professors — who have children under age 6, when child care is most expensive. The program is open to all ladder-faculty families with household incomes of under \$175,000, and applies a sliding scale that makes the largest awards to families with the lowest incomes. Applicants must be on a regular Harvard payroll. More information and a link to the online applica-

For more information and a link to the online application,
www.faculty.harvard.edu

tion can be found at www.faculty.harvard.edu.

This program is being launched as a next step in Harvard's comprehensive child care strategy, which has included efforts to increase affordability and availability of child care. "Child care supports are a key component of Harvard's work/life package for all Harvard employees," said Marilyn Hausammann, vice president for Human Resources. "Our approach is to offer a menu of supports because we know that one size does not fit all. Help finding and paying for child care is available to all employee groups through a range of programs, which we are continuously evaluating to be sure they meet the community's needs."

In June 2006, Harvard announced a round of work/life program enhancements designed to holistically support scholars and faculty as they balance the demands of work and fam-

ily (See <http://www.hno.harvard.edu/gazette/2006/06.15/01-worklife.html>). These include pilot programs to provide a range of backup care options, a more than 50 percent increase in staff child care scholarships, and the expansion of a campus child care center. The University is continuing to study several schemes to expand child care capacity on campus.

The pilots also included a small fund to support Ph.D. and doctoral candidates with children enrolled in one of six Harvard campus child care centers. "We see a need for child care supports at the beginning of the academic pipeline, during the graduate school years," said Allan Brandt, dean of the Graduate School of Arts and Sciences, which enrolls 80 percent of the University's doctoral-level students. "We are currently studying programs to provide such support."

"Programs and services that support faculty with young children help Harvard recruit the very best scholars," said Singer. "And those programs help scholars have the support they need to do their very best work here."

SPORTS WRAP-UP

Men's Heavyweight Crew

Head of the Oklahoma 1/6

Field Hockey (4-5; 2-1 league)*

W at Brown 2-0

*Does not include results of Oct. 8 game v.s. Northeastern

Football (2-1; 0-1 league)

W at Lafayette 27-13

Men's Golf

MacDonald Cup at Yale 6/15

Coed Sailing

Central Series Four at Tufts 7/24

Danmark Trophy at US Coast Guard Acad. 9/20

Harvard Invite 12/18

Smith Trophy at MIT 3/27

Women's Regis Bowl at BU 11/16

Men's Soccer (4-3-0; 1-0-0 league)

W vs Yale 1-0

Women's Soccer (4-3-3; 1-1-0 league)

W vs Yale 3-1

Women's Volleyball (7-7; 2-0 league)

W vs Dartmouth 3-0

Men's Water Polo (2-7)

At Claremont Convergence:

I vs Pepperdine 2-11

L vs Loyola Marymount 4-19

UPCOMING SCHEDULE

The week ahead
(Home games in bold)

Friday, Oct. 10

M Golf	Big 5 Invitational	TBA
M Tennis	Notre Dame Fall Classic	TBA
W Volleyball	Brown	7 p.m.

Saturday, Oct. 11

Cross Country	N.E. Championships	TBA
Football	Cornell	noon
M Golf	Big 5 Invitational	TBA
M Tennis	Notre Dame Fall Classic	TBA
W Tennis	U.S. Open Invitational	TBA
Sailing	Central Series Five	9:30 a.m.
Sailing	Hap Moore Trophy Team Race	9:30 a.m.
Sailing	Navy Women's Interseccional	9:30 a.m.
Sailing	N.E. Men's Singlehanded Championship	9:30 a.m.
M Soccer	Cornell	2:00 p.m.
W Soccer	Cornell	11:30 a.m.
W Volleyball	Yale	4 p.m.

Sunday, Oct. 12

M Golf	MacDonald Cup	TBA
Sailing	Central Series Five	9:30 a.m.
Sailing	Hap Moore Trophy Team Race	9:30 a.m.
Sailing	Navy Women's Interseccional	9:30 a.m.
Sailing	N.E. Men's Singlehanded Championship	9:30 a.m.
M Tennis	Notre Dame Fall Classic	TBA
W Tennis	U.S. Open Invitational	TBA
M Water Polo	Iona	11 a.m.
M Water Polo	Fordham	4:30 p.m.

Monday, Oct. 13

W Field Hockey	Saint Louis	1 p.m.
W Tennis	U.S. Open Invitational	TBA

Wednesday, Oct. 15

W Soccer	Maine	3 p.m.
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Visit www.gocrimson.com for the latest scores and Harvard sports information or call the Crimson Sportsline (617) 496-1383.

SPORTS IN BRIEF

Women's soccer grabs first Ivy win behind freshman's play

The Crimson held nothing back on Saturday (Oct. 4), as Harvard defeated Yale 3-1 at Ohiri Field.

Only nine games into her career at Harvard, freshman forward **Melanie Baskind** continued her dominant play, tallying four points, with a goal and two assists. Baskind leads the Crimson in goals, assists, points, and game-winning goals. She is also fifth in the Ivy League in goals scored.

Yale (5-5-1, 0-2-0) attempted to orchestrate a late comeback, scoring off of a deflected penalty kick in the 85th minute, but the Bulldogs shifted gears too late as the Crimson (4-3-3, 1-1-0) rolled to their first Ivy League win of the season.

The Crimson are now 3-0-1 at home and have only lost once since starting the season 0-2.

Harvard soccer silences Bulldogs

The Harvard faithful came out in force

to watch the Crimson defeat the Yale Bulldogs 1-0 in their Ivy League opener this past Saturday (Oct. 4). After Harvard failed to capitalize on three early scoring opportunities, a second half push saw junior **Kwaku Nyamekye** connect on the game's only goal.

Although Harvard dominated possession for most of the game, Yale goalkeeper Travis Chulick (No. 2 in the Ivy League in total saves) played well in the goal. Notching six saves in the contest, Chulick's only mistake came in the 59th minute, when Nyamekye found the back of the net to give the Crimson their first Ivy win. Harvard goalkeeper **Austin Harms '12** earned his first career shutout in his second career game, and was chosen as the Ivy Rookie of the Week.

The win gives Harvard a record of 4-3-0, 1-0-0 in the Ivy League, and drops Yale to 4-4-1, 0-1-0 in the league.

Crimson dominates Dartmouth

Big hits and timely blocking were all the

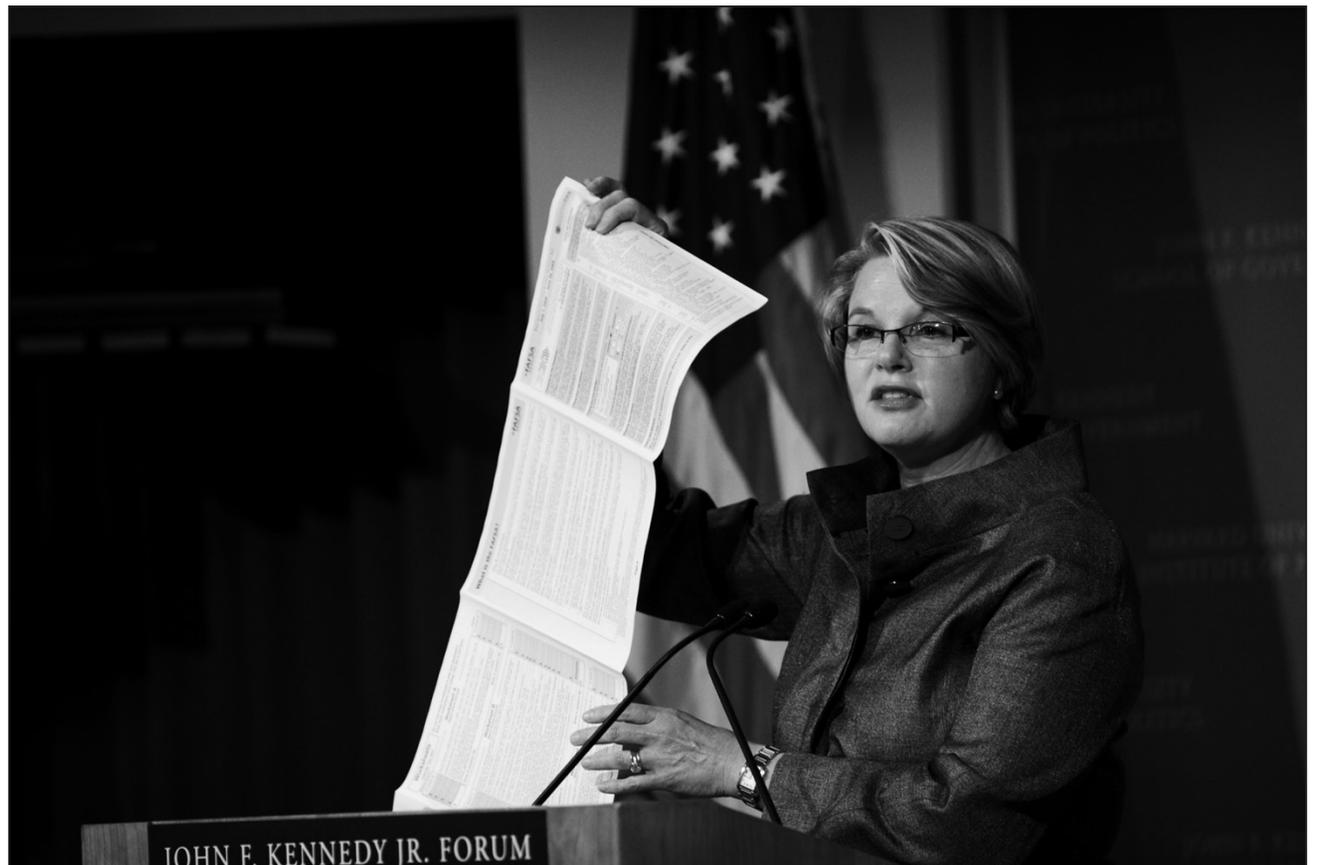
Crimson (7-7, 2-0) needed to overmatch Dartmouth (4-8, 0-2) on Friday (Oct. 3) in three games, 25-15, 25-12, 25-21. The win was the Crimson's second this year against the Big Green, and extended Harvard's winning streak to five.

Freshman **Anne Carroll Ingersoll** dominated the middle and led the Crimson to victory with 12 kills (.571 hitting percentage), six blocks, two service aces, and two digs. Senior **Kathryn McKinley** also finished with 12 kills and five digs in the match.

The second game saw Harvard suffocate the Dartmouth attack, holding the Big Green to 12 points. Dartmouth put more pressure on Harvard in the third game, but the Crimson were able to hold off a comeback and win, 25-21.

Ingersoll, who is second in the Ivy League in hitting percentage (.385), was selected as the Ivy Rookie of the Week (Oct. 7) for the third time in the first four weeks of the season.

— Gervis A. Menzies Jr.



Stephanie Mitchell/Harvard News Office

Secretary of Education Margaret Spellings displays the current application form for federal student aid, a six-page document with more than 100 questions. Spellings presented a new simplified form that should make applying for aid much easier.

Secretary of education proposes simplified aid form

By Lindsay Hodges Anderson
HKS Communications

U.S. Secretary of Education Margaret Spellings addressed concerns ranging from college financial aid to No Child Left Behind during a lecture at Harvard Kennedy School (HKS) Oct. 1.

Spellings decried the decline in U.S. college completion rates, arguing that higher education is inaccessible to far too many people. As an example, she cited the complex Free Application for Federal Student Aid (FAFSA) application form, which contains more than 100 questions.

"It's red tape like this that keeps 40 percent of college students from even applying for aid," she said. "That's 8 million students. And we believe most would have been eligible for assistance."

Spellings shared with the audience a significantly smaller proposed form — reduced

from six pages to two — with only 27 questions.

"This new form, coupled with other financial aid reforms, will provide real-time information on how much aid you can expect to receive, as opposed to how much you and your family are expected to contribute under the current system. This will put you in the driver's seat, with more time to investigate your options," she said.

Former HKS professor Susan Dynarski has long argued that the college financial aid application process is too complicated and exclusionary.

She has proposed a FAFSA form that would fit on a simple postcard in her working paper, "College Grants on a Postcard: A Proposal for Simple and Predictable Federal Student Aid."

During her talk at the John F. Kennedy Jr. Forum, Spellings acknowledged faults in the American education system from kinder-

garten to college and spoke of the racial and financial barriers to students.

"That's why we need to ask ourselves: Is our education system all it should be? Is it preparing all of our children for success in college and the workforce? Is it giving them the skills to make a difference in solving the vital issues of the day — poverty and hunger, energy and prosperity, war and peace?" she asked. "In all candor, we must answer no. ... We cannot be content with having some good schools and some bad ones — a bright future for some and not for others. We live in a global economy — not a gated community."

Spellings served as senior adviser to then Texas Gov. George W. Bush on education issues. She joined Bush in the White House to become assistant to the president for domestic policy and it was during this tenure that she worked to develop the No Child Left Behind Act. In 2005, Spellings was named U.S. secretary of education.

Wyss

(Continued from page 1)

computer science, robotics, medicine, and surgery from Harvard's Schools and affiliated hospitals, as well as from neighboring universities. The multidisciplinary effort will function as the cornerstone of Harvard's broader efforts in bioengineering, and will build on many elements of the Harvard Institute for Biologically Inspired Engineering (www.hibie.harvard.edu), which was created with seed support from the Harvard University Science and Engineering Committee in response to a faculty-developed plan for this burgeoning discipline.

Wyss' gift will provide funds for seven endowed faculty positions, as well as major operating funds for the institute. The locus of the Wyss Institute will be in the first science complex currently under construction on Harvard's campus in the Allston neighborhood of Boston.

"I am humbled to have the opportunity to contribute in a meaningful way to efforts that I firmly believe will change the future course of science and medicine," Wyss said. "Little did I dream when I began my career in engineering that we would reach a point where engineers and biologists would be using nature's templates to create solutions to our medical and environmental challenges."

President Faust and Provost Steven E. Hyman, together with Dean Jeffrey Flier, Dean Michael Smith, and former Dean Venkatesh Narayanamurti — of the Harvard Medical School, Faculty of Arts and Sciences, and School of Engineering and Applied Sciences (SEAS), respectively — announced that Donald Ingber, Judah Folkman Professor of Vascular Biology at Harvard Medical School and Children's Hospital Boston, and professor of bioengineering at SEAS, will serve as the Wyss Institute's founding director.

"Hansjörg Wyss' vision for the potential inherent in newly emerging areas of bioengineering will allow Harvard to integrate the worlds of biology and engineering to de-

velop nontraditional solutions to seemingly insurmountable challenges," said Hyman. "Don Ingber's leadership and commitment to exploring these possibilities will make this vision a reality."

Hyman noted that the establishment of the Wyss Institute follows Harvard's "commitment to the overall growth of engineering at Harvard — exemplified by changing the status of the former Division of Engineering to a School of Engineering — but in the context of a liberal arts-focused research institution. With respect to bioengineering in particular, we are at a wonderful intellectual inflection point where we're beginning to see a new generation of bioengineering in which I think no one has an advantage, and where we will provide very substantial intellectual partnerships for such activities as our Stem Cell Institute and for the Systems Biology activities. Those partnerships might, for example," he said, "enable us to convert new basic discoveries into a host of treatments for human beings suffering with illnesses."

In expressing his gratitude to Wyss, Ingber said that "Hansjörg Wyss is a visionary engineer and entrepreneur who understands that transformative change requires risk-taking and breaking down boundaries among existing disciplines. We are indebted to him for his generosity, which will enable engineers, scientists, physicians, and industrial collaborators to work across institutions and disciplines at a level never before possible in an academic setting."

David Mooney, Gordon McKay Professor of Bioengineering at SEAS and co-chair of Harvard's bioengineering working group, said, "I am particularly excited that this gift will allow us to create an interdisciplinary community of scholars who will work together to both develop novel technologies and create a foundation for bioengineering based on a fundamental knowledge of how living systems function."

Purpose and mission

The mission of the Hansjörg Wyss Insti-

tute for Biologically Inspired Engineering is to discover the engineering principles that nature uses to build living things, and to harness these insights to create biologically inspired materials, devices, and control technologies to address unmet medical needs worldwide and bring about a more sustainable world.

Over the past decade in particular, engineering, biology, medicine, and the physical sciences have increasingly converged. Through revolutionary advances in nanotechnology, genetics, and cell engineering, it is now possible to manipulate individual atoms, genes, molecules, and cells one at a time, and to create artificial biological systems. Simultaneous progress in materials science, molecular biology, and tissue engineering has enabled scientists to develop synthetic materials, microdevices, and computational strategies to manipulate cell function, guide tissue formation, and control complex organ physiology. As a result of these developments, the boundary between living and nonliving systems is beginning to break down.

The Wyss Institute will leverage these advances and facilitate new breakthroughs by advancing the science and engineering necessary to develop biomimetic materials, microdevices, microrobots, and innovative disease-reprogramming technologies that emulate how living cells and tissues self-organize and naturally regulate themselves. A deeper understanding of how living systems build, recycle, and control also will ultimately lead to more efficient bioinspired ways of converting energy, controlling manufacturing, improving the environment, and creating a more sustainable world.

Faculty and programs

The Wyss Institute will form a community of engineers, scientists, and clinicians, and provide them with the resources necessary to pursue innovative, multidisciplinary, forward-looking research that will spur the development of transformative new tech-

nologies and therapies.

The institute will focus on fundamental, science-driven technology development in the newly emerging fields of synthetic biology, biological control, and living materials.

The Synthetic Biology Program will develop genetically engineered component parts and circuits necessary to build programmable self-assembling nanomaterials and integrated multifunctional living microdevices.

The Biological Control Group will devise control strategies that can "reboot" diseased tissues and organs, as well as biologically inspired algorithms for robotic control.

The Living Materials Program will harness the design principles that govern how living cells, tissues, and organs exhibit their novel material properties and coupled biocatalytic functions, with the goal of fabricating self-organizing biomimetic materials and devices for both medical and nonmedical applications.

The Wyss Institute will also incorporate an Advanced Technology Core, composed of technical experts with extensive expertise in genetic engineering, nanotechnology, microfabrication, materials science, and other critical technologies, who move among different faculty laboratories pursuing problems until they are solved and useful technologies are created. The institute's faculty will translate these new technologies into commercial products and therapies through partnerships with industrial and clinical collaborators. The Wyss Institute also will support clinical faculty researchers who will identify critical clinical challenges, conduct research and development activities necessary to solve these problems, and help to bring these technologies back into the clinic. Such an environment, free of disciplinary boundaries, will foster the training of a new generation of students and fellows who fully understand how to work across disciplines, and how to learn from the power of nature's innovations to advance bioengineering and medicine.

STATEMENT OF OWNERSHIP

UNITED STATES POSTAL SERVICE® (All Periodicals Publications Except Requester Publications)

Statement of Ownership, Management, and Circulation

1. Publication Title: Harvard University Gazette

2. Publication Number: 03 67 - 07 6 12

3. Filing Date: 10/24/08

4. Issue Frequency: 3 issues in Sept., Nov., December + March in June

5. Number of Issues Published Annually: 32

6. Annual Subscription Price: \$32 U.S. / \$39 Foreign

7. Complete Mailing Address of Known Office of Publication (Not printer) (Street, city, county, state, and ZIP+4®): Harvard University Gazette, Holyoke Ctr. 1000, 1350 Mass. Ave. Cambridge, MA 02138

8. Complete Mailing Address of Headquarters or General Business Office of Publisher (Not printer): Harvard University Gazette, Holyoke Ctr. 1000, 1350 Mass. Ave. Cambridge, MA 02138

9. Full Names and Complete Mailing Addresses of Publisher, Editor, and Managing Editor (Do not leave blank):

Publisher (Name and complete mailing address): President + Fellows of Harvard College, 19 Quincy St. Cambridge MA 02138

Editor (Name and complete mailing address): Terry Murphy, Harvard University Gazette, 1000 Holyoke Ctr. 1350 Mass. Ave. Cambridge, MA 02138

Managing Editor (Name and complete mailing address): Terry Murphy, Harvard University Gazette, 1000 Holyoke Ctr. 1350 Mass. Ave. Cambridge, MA 02138

10. Owner (Do not leave blank. If the publication is owned by a corporation, give the name and address of the corporation immediately followed by the names and addresses of all stockholders owning or holding 1 percent or more of the total amount of stock. If not owned by a corporation, give the names and addresses of the individual owners. If owned by a partnership or other unincorporated firm, give its name and address as well as those of each individual owner. If the publication is published by a nonprofit organization, give its name and address.)

Full Name: President + Fellows of Harvard College Complete Mailing Address: 19 Quincy St. Cambridge MA 02138

11. Known Bondholders, Mortgagees, and Other Security Holders Owning or Holding 1 Percent or More of Total Amount of Bonds, Mortgages, or Other Securities. If none, check box None

Full Name: NONE Complete Mailing Address:

12. Tax Status (For completion by nonprofit organizations authorized to mail at nonprofit rates) (Check one)

The purpose, function, and nonprofit status of this organization and the exempt status for federal income tax purposes:

Has Not Changed During Preceding 12 Months

Has Changed During Preceding 12 Months (Publisher must submit explanation of change with this statement)

PS Form 3526, September 2007 (Page 1 of 3 (Instructions Page 3)) PSN 7530-01-000-9931 PRIVACY NOTICE: See our privacy policy on www.usps.com

13. Publication Title: Harvard University Gazette

14. Issue Date for Circulation Data Below: 5-29-08

15. Extent and Nature of Circulation

Delivered free to faculty + staff
Harvard University College Newspaper

		Average No. Copies Each Issue During Preceding 12 Months	No. Copies of Single Issue Published Nearest to Filing Date
a. Total Number of Copies (Net press run)		<u>28,698</u>	<u>28,698</u>
b. Paid Circulation (By Mail and Outside the Mail)	(1) Mailed Outside-County Paid Subscriptions Stated on PS Form 3541 (include paid distribution above nominal rate, advertiser's proof copies, and exchange copies)	<u>6483</u>	<u>6483</u>
	(2) Mailed In-County Paid Subscriptions Stated on PS Form 3541 (include paid distribution above nominal rate, advertiser's proof copies, and exchange copies)	<u>1821</u>	<u>1821</u>
	(3) Paid Distribution Outside the Mails Including Sales Through Dealers and Carriers, Street Vendors, Counter Sales, and Other Paid Distribution Outside USPS®	<u>0</u>	<u>0</u>
	(4) Paid Distribution by Other Classes of Mail Through the USPS (e.g. First-Class Mail®)	<u>0</u>	<u>0</u>
c. Total Paid Distribution (Sum of 15b (1), (2), (3), and (4))		<u>8304</u>	<u>8304</u>
d. Free or Nominal Rate Distribution (By Mail and Outside the Mail)	(1) Free or Nominal Rate Outside-County Copies included on PS Form 3541	<u>0</u>	<u>0</u>
	(2) Free or Nominal Rate In-County Copies included on PS Form 3541	<u>0</u>	<u>0</u>
	(3) Free or Nominal Rate Copies Mailed at Other Classes Through the USPS (e.g. First-Class Mail)	<u>0</u>	<u>0</u>
	(4) Free or Nominal Rate Distribution Outside the Mail (Carriers or other means)	<u>20394</u>	<u>20394</u>
e. Total Free or Nominal Rate Distribution (Sum of 15d (1), (2), (3) and (4))		<u>20394</u>	<u>20394</u>
f. Total Distribution (Sum of 15c and 15e)		<u>28698</u>	<u>28698</u>
g. Copies not Distributed (See Instructions to Publishers #4 (page #3))		<u>0</u>	<u>0</u>
h. Total (Sum of 15f and g)		<u>28698</u>	<u>28698</u>
i. Percent Paid (15c divided by 15f times 100)		<u>29%</u>	<u>29%</u>

16. Publication of Statement of Ownership

If the publication is a general publication, publication of this statement is required. Will be printed in the 10-9-08 issue of this publication. Publication not required.

17. Signature and Title of Editor, Publisher, Business Manager, or Owner

Sup J 2 Editor Date: 10/2/08

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PS Form 3526, September 2007 (Page 2 of 3)

Exelon executive offers regulations, incentives to 'green' energy supply

By Alvin Powell
Harvard News Office

The head of the nation's largest nuclear power plant owner decried America's lack of **energy** an energy policy Monday night (Oct. 6) and laid out a five-point plan featuring a mix of new regulations and financial incentives for coal, nuclear, and renewable power sources as a way to 'green' America's energy supply.

John Rowe, chairman and chief executive officer of Chicago-based Exelon Corp., which runs the nation's largest fleet of nuclear reactors, told a packed Science Center lecture hall that Exelon views climate change as a serious problem that needs im-

mediate attention.

Resolving the problem, however, will be a challenge, Rowe said, as will keeping costs low for consumers. The cost of energy, Rowe said, is something that Exelon is very sensitive to, since as a power company, it is responsible for collecting money from consumers and yet is also answerable to legislators working to reform the nation's energy system.

Despite the popularity of renewable energy sources such as wind and solar, Rowe said the cost of those alternatives is higher than many people think. Wind is the cheapest renewable and most ready for market, he said, while solar, though most expensive right now, has the greatest potential for a

technological breakthrough.

Absent a transforming breakthrough, however, Rowe said the nation will have to make do with reforms to its current power mix, including coal and nuclear. His five-point plan includes financial support for low-carbon electricity generation, such as clean coal and next-generation nuclear power. It also includes support for energy efficiency and conservation programs, extensions of tax credits for renewable energy sources, competitive electricity markets to spur innovation, and federally mandated carbon legislation, such as a carbon tax or a cap-and-trade system designed to encourage low-carbon power generation.

"We at Exelon take the need for action as

a given, and feel the sooner the better," Rowe said. "Without a proper public policy framework, there is no way to deal with a challenge as large as climate change."

Rowe spoke at the Science Center as part of the Harvard University Center for the Environment's Future of Energy lecture series. Center Director Daniel Schrag, professor of Earth and planetary sciences, said Rowe has been active on the national energy policy scene for some time, co-chairing the National Commission on Energy Policy, a bipartisan group of energy experts.

"John gives us a sobering view of the challenge ahead as we try to decarbonize our

(See **Energy**, next page)



Students Nicholas Smith '09 (from left), Geneva Trotter '09, and Rafael Miranda '09 have a few questions for James J. McCarthy before his talk.

Kris Snibbe/Harvard News Office

Arctic ice is thinning steadily

Rate of decline has jumped in recent years, says global warming expert

By Corydon Ireland
Harvard News Office

There was a polar bear sighting at Harvard last week.

At Pforzheimer House on Thursday (Oct. 2), global warming expert James J. McCarthy delivered a crisp summary of how fast ice is melting in **environment** the Arctic — and why we should care. The audience of 80 took in his companion slide show, including images of ice-stranded polar bears.

Ursus maritimus, the largest land predator in the world, is "the signature animal in this whole discussion," said McCarthy, who is master of Pforzheimer House and Harvard's Alexander Agassiz Professor of Biological Oceanography. Vanishing ice shortens the hunting season for these cold-weather bears, he said, and reduces access to the ringed seals they require for lipid reserves.

McCarthy, an expert on plankton productivity, is a former co-chair of the working group on impacts for the Intergovernmental Panel on Climate Change. He was also one of the lead authors of the Arctic Climate Impact Assessment, a 2005 document that outlined the likely consequences of sustained warming in the Arctic for animals, people, and ecosystems.

To dramatize the change in ice cover, McCarthy showed a picture of a Russian icebreaker during the mid-1990s, when Arctic ice was still relatively thick (up to 13 feet). The 7,500-horsepower nuclear-powered ship "was just crawling through," he said, "with some hesitation and a lot of noise."

By 2000, McCarthy saw that vast stretches of white ice had been replaced by blue water. Ice cover in many places had thinned to as little as 3 feet.

On a trip to the Canadian Arctic this summer, McCarthy was aboard an icebreaker, peering over

the side to watch thinning ice crack open. Revealed were algae-rich brine channels shot through with sunlight — radiant columns of frigid water where one-celled plants thrive. (How rapid warming affects Arctic algae, the bedrock of the marine ecosystem, is being studied.)

The decline in Arctic ice cover is steady, said McCarthy, and sometimes dramatic. On average, it has been vanishing at the rate of about 1 percent per year. But the decline jumped to 20 percent last year, he said, "and no one predicted that."

On Greenland, said McCarthy, exit glaciers that empty into the ocean are "retreating, speeding up, and thinning" — a rapid melting replicated since 1960 on "tens of thousands" of Alpine glaciers worldwide.

The implications of melting sea ice are troubling for the polar bears, sea birds, baleen whales, seals, and arctic foxes that make up the Arctic ecosystem.

(See **Arctic**, next page)

Al Gore to celebrate sustainability at Harvard

Former Vice President Al Gore will be coming to campus on Oct. 22 for the first-ever University-wide celebration of sustainability. The event, hosted by President Drew Faust, will mark the official launch of the University's new greenhouse gas reduction effort and will also celebrate Harvard's broader environmental initiatives, including the critical role the University plays in teaching and research in this area.

Faculty, staff, and students are invited to Tercentenary Theatre beginning at 3 p.m. for food and refreshments. Gore will deliver the Robert Coles Call of Service Lecture, which is sponsored each year by the Phillips Brooks House Association. His talk begins at 4 p.m.

Full details of the day's program and related events can be found at www.green.harvard.edu.

Statement on the Report of the Harvard Greenhouse Gas Task Force,

www.president.harvard.edu/speeches/faust/080708_greenhouse.html

Special report on Harvard's sustainability at work,

[/www.hno.harvard.edu/multimedia/specials/green/index.html](http://www.hno.harvard.edu/multimedia/specials/green/index.html)

Arctic

(Continued from previous page)

Troubling for people, too. In villages McCarthy visited last summer in Greenland, temperatures hovered at 68 degrees, up from average highs of 53 degrees. The climbing mercury was speeding coastal erosion, altering the migration patterns of game, and making sea ice — the platform for most hunting — unpredictable.

The villagers also faced electrical storms and other sudden weather anomalies, said McCarthy, “with no words for ‘thunder’ or ‘lightning’ in their vocabulary.”

If all the ice in the Arctic and in Greenland were to melt, said McCarthy, oceans worldwide could rise by 7 meters (about 22 feet). By 2100, one study predicted, the global sea-level rise could range from 0.8 to 2 meters (31 to 78 inches).

At the lower figure every coastal city will be in trouble and island nations will disappear. The higher figure, McCarthy said, would spell “coastal catastrophe.”

McCarthy’s slides included projected views of U.S. coastlines by the year 2100. They showed a truncated Florida, Venice-like ocean-side cities, and a shortened, saturated Gulf Coast. “Here’s 1 meter,” said McCarthy of one map showing a 39-inch sea level rise. “Forget New Orleans. It’s just gone.”

Polar ice is not melting in Antarctica, the windiest and driest continent, where about 85 percent of the Earth’s fresh surface water is immobilized in ice. Frigid temperatures there, McCarthy said, are maintained by the highest average continental altitudes in the world.

By contrast, said McCarthy, the Arctic is at sea level, making it vulnerable to warming and “an early indicator of change in global climate.” As more ice melts, more dark open water appears. It’s more efficient than snow and ice at absorbing heat. That decreases the albedo (light-reflecting) effect that has kept the Arctic ice-bound and cold for millennia.

It’s possible to avoid catastrophic sea-level rises, said McCarthy, by adopting the “stabilization scenario” espoused by both presidential candidates: an 80 percent reduction of U.S. greenhouse gas emissions by 2050.

In the meantime, admirable localized efforts are under way, he said, including emissions-reductions goals espoused by 500 or more U.S. mayors, a dozen governors, and by universities, including Harvard, which this year pledged to reduce its greenhouse gas emissions by 30 percent by 2015 — “a very aggressive target,” said McCarthy.

Moreover, “an entire wedge” of other steps could reduce the world’s carbon footprint, he said. That includes renewable energy sources; energy efficiency and conservation; policy changes like carbon taxation and cap-and-trade systems; emerging technologies for carbon capture and storage; and nuclear power — “after a period of R&D we have not had,” said McCarthy.

Pforzheimer resident Karen McKinnon ’10, an Earth and planetary sciences concentrator from Boulder, Colo., who co-chairs the Harvard College Environmental Action Committee, took in the McCarthy lecture.

“There’s always more to know,” she said.

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Belfer Center announces research fellows 2008-09

The Belfer Center for Science and International Affairs at Harvard Kennedy School announces the following new 2008-09 research fellows. These fellows conduct research within the Belfer Center’s International Security Program (ISP).

Lt. Col. **William D. Anderson Jr.** is a National Defense Fellow with the Belfer Center. His former assignment was as commander of the 15th Airlift Squadron at Charleston Air Force Base, S.C. A graduate of the U.S. Air Force Academy, he is a senior pilot with more than 4,600 hours including combat time in support of operations in Afghanistan, Iraq, and the Balkans.

Jennifer Bulkeley is a Ph.D. candidate in public policy at Harvard, a research fellow with the International Security Program, and a research assistant with the Belfer Center’s Preventive Defense Project. Her research interests include Chinese foreign policy and security strategy, and the global nonproliferation regime.

Thomas Hegghammer is an Oxford and Paris-educated Middle East specialist, who has published and consulted widely on jihadism and al-Qaeda. A senior research fellow at the Norwegian Defense Research Establishment (FFI) in Oslo, he is preparing a book about the jihadi ideologue Abdallah Azzam and the first Arab Afghans. Hegghammer is appointed through the Belfer Center’s Initiative on Religion in International Affairs.

Azeem Ibrahim is currently completing his Ph.D. at the Centre of International Studies at the University of Cambridge. His thesis examines the different phases of U.S. policy in the Caspian region since the collapse of the Soviet Union and seeks to identify the motivational drivers that were sig-

nificant in each phase to explain policy outcomes.

Eric Kaufmann directs the master’s program in Nationalism and Ethnic Conflict at Birkbeck, University of London. A recipient of the Political Studies Association’s 2008 Richard Rose Prize, he is writing a book on the demography of religion. Kaufmann is appointed through the Initiative on Religion in International Affairs.

Nelly Lahoud is assistant professor of political theory, including Islamic political thought, at Goucher College. She completed her Ph.D. in 2002 at the Research School of Social Sciences, Australian National University. She is currently completing a manuscript about past and present jihadis. Lahoud is conducting research under the Initiative on Religion in International Affairs.

Megan MacKenzie received her Ph.D. in political science from the University of Alberta and has published in areas related to wartime sexual violence and female soldiers, including a chapter in R. Charli Carpenter’s “Born of War.” Her research experience includes extensive work in Sierra Leone, where she interviewed more than 50 former female soldiers.

Ragnhild Nordås is a Ph.D. candidate in political science at the Norwegian University of Science and Technology, completing a dissertation on religion and civil conflict. Her research interests include the effects of religion on political violence, nonstate actors in civil war, state repression, group inequality, environmental/climatic factors, and armed conflict. Nordås is conducting research under the Initiative on Religion in International Affairs.

Andrea Strimling is a scholar and practitioner whose work focuses on inter-agency,

civil-military, public-private coordination in postconflict peace building, and stabilization and reconstruction operations. She holds a B.A. from Dartmouth College and an M.P.P. from the Harvard Kennedy School. She is currently a Ph.D. candidate at The Fletcher School Tufts University.

Dominic Tierney is assistant professor of political science at Swarthmore College with a Ph.D. from Oxford University. He will research the impact of U.S. military defeat, multilateralism, and American perceptions of war.

Karine Walther holds a Ph.D. in history from Columbia University, a *maîtrise and licence* in sociology from the University of Paris VIII, and a B.A. in American studies from the University of Texas, Austin. Her research focuses on how American cultural beliefs about Islam influenced U.S. foreign policy in the 19th and 20th centuries. Walther is conducting research under the Belfer Center’s Initiative on Religion in International Affairs and Dubai Initiative.

Melissa Willard-Foster is a UCLA political science Ph.D. candidate specializing in international relations, security studies, and quantitative methods. Her dissertation deals with the causes and consequences of foreign-imposed regime change. She holds an M.A. in international relations from the University of Chicago and a B.S. from the Georgetown University School of Foreign Service.

Keren Yarhi-Milo is a Ph.D. candidate in political science at the University of Pennsylvania. Her dissertation tests the extent to which changes in an adversary’s military capabilities, doctrine, and behavioral signals shape and transform perceptions of intentions for both senior civilian decision makers and intelligence analysts.

Energy

(Continued from previous page)

electrical system,” Schrag said.

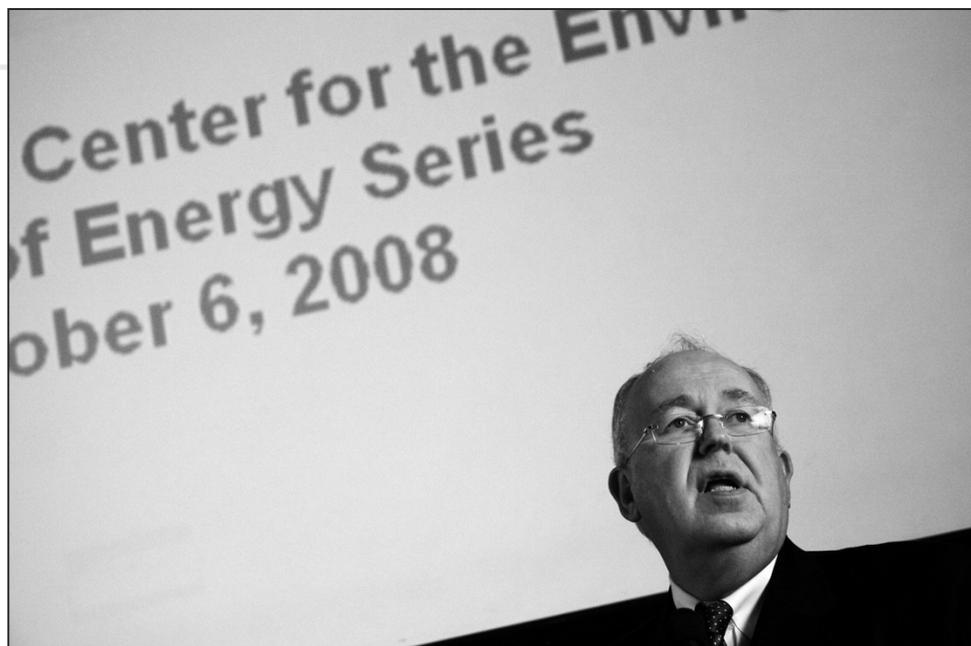
Rowe said the nation faces more than one energy challenge. The problem of climate change — which he said gets worse with each report — is coupled with an increasing reliance on foreign oil.

Goals for a national energy policy should include meeting the nation’s energy needs, decreasing dependence on foreign oil, keeping costs as low as possible, and addressing climate change, Rowe said.

To meet those guidelines, Rowe presented a plan drafted by Exelon as a blueprint to reduce greenhouse gas emissions by the company and by its customers, communities, suppliers, and markets. Called “Exelon 2020,” the plan was initially unveiled in July.

The key in reducing the amount of carbon released into the atmosphere from the nation’s energy consumption is to enact a nationwide regulatory system that creates incentives for reducing the chemical element in the power supply. Alternatives that would fit the bill include a carbon tax that would raise the price of power generated by carbon-rich sources, and a cap-and-trade system that would set a limit on the total amount of carbon released in the United States, letting those who can make their operations more efficient sell the right to emit more carbon to other businesses.

By creating an incentive to reduce carbon-intensity in the power supply, Rowe said, the market can respond with creative solutions that policymakers may not have considered.



Jon Chase/Harvard News Office

John Rowe, CEO of Exelon Corp., offers suggestions — including regulations and financial incentives — to ‘green’ power sources.

“Economy-wide carbon legislation is essential, but not enough,” Rowe said.

Energy efficiency and conservation are also important, he said, proposing tighter standards and subsidies to encourage conservation.

Renewable energy supplies will be a bigger part of the energy mix, Rowe said, but he cautioned against thinking they will be a cheap, easy solution. Most renewable sources, he said, are more expensive than conventional alternatives.

“It’s clear that renewables have to be part of the picture; it’s not at all clear how big a part of the picture they will be,” Rowe said.

With so much of our energy generated by coal-fired plants, Rowe said that the federal government has to invest in technology that will separate carbon from emissions

and then sequester that carbon so it can’t be released into the atmosphere.

“It is hard to imagine a solution without dealing with carbon from coal,” Rowe said.

Increased power from nuclear plants is another alternative, Rowe said. Though carbon-free, nuclear power generates waste that must be stored. New plants also have difficulty being sited as neighbors often oppose building near their homes. Nuclear can be a significant part of the solution, but only if the public favors it, he said.

“We will need not some of the above, but all of the above,” Rowe said. “It is clear to us that we simply must meet the clear and present danger of climate change. ... I believe we have to come up with a new vision backed up by hard realities.”

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Jon Chase/Harvard News Office

Program allows gifted scholars to kick back and ... work

By **Corydon Ireland**
Harvard News Office

Abena Dove Osseo-Asare studies African medicinal plants, including their fate at the hands of modern science and global patent systems.

Ceren Belge investigates honor killings in Turkey and Israel and the informal spheres of law that exist within some nations.

Osseo-Asare '98, Ph.D. '05 — a historian of science — is using part of her second year as an academy scholar to finish a book.

Harris Mylonas is a student of assimilation, with a particular interest in the making of co-nationals, minorities, and refugees within the Balkans.

Elizabeth Levy Paluck is an expert on intergroup prejudices in Rwanda, and how they are affected by mass media. She spent this summer in Sudan, pursuing similar work.

These four young social scientists are among 10 scholars sponsored this year by the Harvard Academy for International and Area Studies, an affiliate of the Weatherhead Center for International Affairs.

The Academy Scholars Program provides two years of uninterrupted study and writing at the University. (Some scholars, like Osseo-Asare and Mylonas, choose to split the two years.) The slots are hotly competitive. This year, 250 applications rolled in.

The academy, headquartered in an old Victorian house on Cambridge Street, was founded in 1986 on the initiative of Harvard economist (and then-dean of the Faculty of Arts and Sciences) Henry Rosovsky, who is now the Lewis P. and Linda L. Geyser University Professor *Emeritus*.

Rosovsky and others feared that without

(See **Academy**, next page)

CfA research advance creates tool for lung imaging



Jon Chase/Harvard News Office

Ronald Walsworth, senior lecturer on physics at Harvard and senior physicist at the Smithsonian Institution, and his research team have created a walk-in, low-field MRI system.

Star quest knowledge provides new view of ourselves

By **Alvin Powell**
Harvard News Office

In a basement laboratory at the Harvard-Smithsonian Center for Astrophysics (CfA), surrounded by instruments built to detect the universe's distant secrets, sits a machine that will help us look not outward to the stars, but inward at our own bodies.

Using know-how gained **science** building instruments to peer into space and test the fundamental laws of physics, Ronald Walsworth, senior lecturer on physics at Harvard and senior physicist at the Smithsonian Institution, and his research team have created a walk-in, low-field MRI system that has Massachusetts General Hospital (MGH) imaging specialists searching for funding to move the machine from the CfA's hilltop complex in Cambridge to MGH's imaging research labs in Charlestown, Mass.

"The work is very exciting. I think it will have lots of applications," said Bruce Rosen, professor of radiology at Harvard Medical

School and director of MGH's Martinos Center for Biomedical Imaging.

The new MRI uses inert, magnetized gas to boost the strength of the imaging signal inside the body. This allows the use of a much lower magnetic field outside the body to create the same detailed images that come from a traditional, high-magnetic-field MRI.

The machine's lower magnetic field allows the use of a smaller, walk-in magnet and flexibility on patient positioning that Rosen said can be important in studies of lung function.

"We spend most of the day upright and moving around, but MRI systems work with the patient lying down in the tube," Rosen said. "Blood flow as well as air flow are dependent on posture and are very different when lying down or sitting up."

MRI, or magnetic resonance imaging, is a medical imaging technology that has been in use since the 1970s. The technique uses powerful magnets to manipulate tiny amounts of magnetism that exists natural-

ly within the body. This magnetism is contained in the nucleus of hydrogen atoms in the water that makes up a large part of all of us.

The body's natural magnetism is so tiny that traditional MRIs need enormous magnets to get an image. Patients typically lie on a bed that is fed into the MRI's doughnut-shaped magnet. The MRI's magnetic field is then manipulated and radio-wave signals applied to get an image.

MRI has become a critical tool for physicians seeking to understand what's going on inside the body. It creates detailed images of both hard and soft tissue and is used to detect everything from cancerous tumors to physical injuries, such as ligament damage in athletes.

The new low-field MRI grew out of research in Walsworth's lab in the 1990s that was originally intended for precision tests of Einstein's theory of relativity. It hinges on the ability of scientists to take an inert gas that won't interact with human tissues and make it highly magnetized through a

process called hyperpolarization.

Much of Walsworth's research at the CfA focuses on things like testing relativity and the search for Earth-like planets around other stars. For example, his research team and collaborators recently devised a device, known as an "astro-comb," to greatly increase the resolution of planet detectors, which is being tried out now on a mountaintop in Arizona. Despite the apparent disconnect of such physical science experiments from medical imaging, Walsworth realized more than a decade ago that hyperpolarized gas had possible unique applications to lung imaging using a low-field MRI. To get the images, subjects breathe the hyperpolarized gas, usually helium or xenon, and sit, stand, or lie down in the MRI scanner while an image is being taken. The images are quickly acquired, taking only a few seconds, but can provide unique information not available with other MRIs, such as differences in distribution of oxygen in the

(See **MRI**, next page)

Academy

(Continued from previous page)

grounding in the real world the social sciences might be, in the words of the Academy Web site, “left to the freefall of pure theory.”

So in its 22 years, the academy has been a champion of combining the social sciences with the real worlds of “area studies,” a term for a scholarly immersion in the language, culture, and traditions of other societies.

Since 1986, the academy has provided academic shelter to nearly 100 promising scholars — about 10 scholars for every two-year cycle — in law, political science, psychology, history, economics, sociology, and anthropology. Most academy scholars have been newly minted Ph.D.s or junior faculty at prestigious universities. All are students of cultures and regions outside the West.

“It takes courage to step outside your own culture,” said academy executive officer (and scholar of French culture) Laurence H. Winnie. The scholars, he said, “are really plugged into these worlds.”

The young researchers have worked in a range of languages, from Greek and Mandarin to Arabic and Twi (the main language of Ghana, where Osseo-Asare has done much of her work on African science). And many have lived “a year or two or three or seven in other countries,” including “some dangerous places,” said Winnie.

Meanwhile, the scholars “bring a very immediate kind of reality,” he said. “They’re here to assist Harvard in its intellectual enterprise.”

One-time academy chairman Jorge I. Domínguez, now Harvard’s vice provost for International Affairs, called the decades-old scholars program a “precursor” to the present Harvard push to encourage study abroad. “It was an early affirmation of the value of work in other countries,” he said, “and now the rest of the University is catching up to it.”

Other Harvard venues embrace area studies, said Timothy J. Colton, a senior scholar at the academy and the Morris and Anna Feldberg Professor of Government and Russian Studies. Those include the Davis Center for Russian and Eurasian Studies, where he teaches, and the Fairbank Center for Chinese Studies, as well as the Reischauer Institute of Japanese Studies. “But here,” Colton said of area studies at the academy, “it’s privileged.”

Mylonas, a recent Yale Ph.D. on leave from George Washington University, would agree.

MRI

(Continued from previous page)

lung of people when upright and lying down.

Walsworth said the current low-field MRI is the third generation of such instruments. In the late 1990s, his lab first built a small version that worked on animals and followed that up in 2003 with a prototype for use on humans, developed together with colleagues at the Brigham & Women’s Hospital, Harvard School of Public Health, and the University of New Hampshire. The current low-field MRI incorporates changes based on lessons from the earlier machines.

“We cobbled together the first two systems mostly from parts already found in our labs,” Walsworth said. “The current version is the first to be optimally designed and employ custom hardware.”

In talking about the new technology, Walsworth reels off a list of people for whom it would be useful, including those with magnet-sensitive pacemakers, premature babies with problems of lung function, and obese patients for whom getting inside a tra-



Osseo-Asare (right), who studies African medicinal plants, displays some alligator pepper seed pods, while undergraduate assistant Coral Rose Martin '10 holds up some Hoodia teas.

Jon Chase/Harvard News Office

In his neat white-walled office on Cambridge Street, the Greece-born political scientist displayed two vivid signs of privilege: time for culture and time to write. There was a wall of calendar listings — “I integrate wherever I am,” he said — and a computer screen lined with text. (Mylonas is turning

For more on the Harvard Academy for International & Area Studies,

www.wcfia.harvard.edu/academy/index.html

his dissertation into a book.)

Academy scholars take from Harvard — a stipend, money for travel and research — and they also give back, said Mylonas. They are resources for Harvard students still immersed in degree work. And their scholarship is so new and their time abroad so recent, he said, that they “bring a fresh under-

standing of what’s going on in the world.”

Osseo-Asare ’98, Ph.D. 2005 — a historian of science on leave from the University of California, Berkeley — is using part of her second year as an academy scholar to finish a book. It’s on plant-based traditional African remedies, the African scientists investigating them, and the potential the remedies have for awakening pharmaceutical markets on the continent.

The program “is a real gift,” she said — no teaching obligations, “absolute freedom, (and) all the support we need to write and create what we’ve come to do.”

Osseo-Asare’s book will explore five traditional medicines — from Ghana, South Africa, and Madagascar — that address leukemia, malaria, cardiac health, impotence, and appetite disorders. She’s also a champion of scholars using digital audio and video in their research — a fieldwork ap-

proach she is now employing in a parallel study of science policy in Ghana.

The Harvard Academy supports young scholars whose work may only later bear practical fruit, said Osseo-Asare.

Its mission also acknowledges that the academic world sometimes sidesteps the scientific achievements of non-Western cultures.

That’s a blindness that never affected her, said Osseo-Asare, whose father — born in Ghana — is a professor of metals science at Penn State. Two of his close academic friends are a mathematician from Rwanda and a chemist from Nigeria.

It’s a cultural blindness that the Harvard Academy is addressing too. Without such fixes, said Osseo-Asare, “There’s a whole class of people missing from the literature.”

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ditional MRI might be difficult. He also spoke of future possibilities, where a hyperpolarized liquid or nanoparticles could be developed for injection, then letting the MRI image the circulatory system or find precancerous lesions.

Though there may eventually be other applications, the promise of a new kind of lung imaging has researchers taking notice.

Jose Venegas, associate professor of anaesthesia at Harvard Medical School and MGH, conducts research into asthma’s effects on the lung and is interested in the low-field MRI’s capabilities. Venegas said they often use PET, or positron emission tomography, to image lungs, but because it is radiation-based technology, there is a limit to how often the patient can be exposed.

“Being able to study a subject multiple times would be very useful in seeing how asthma develops, seeing the bronchial restrictions,” Venegas said.

Venegas said the new low-field MRI could also be useful in watching how lung

function changes as a patient shifts position, going from a sitting to lying position.

“I’ve taken a look at some of the data; it’s very impressive,” Venegas said. “I’m intrigued by the possibilities.”

Rosen said he’d like to move the new machine from the CfA to MGH’s Martinos Center. They have the lab space, he said, but they are still searching for funding to make changes to the space the new equipment will require. Once it moves in, Rosen said, they will begin to explore the possibilities of the new technology.

“One of the areas of research will be to really understand the role it may play,” Rosen said. “I think it will have lots of applications.”

Rosen called the work “a combination of clever physics and physiology,” and said it isn’t the first time an imaging collaboration occurred between Harvard medical imagers and astrophysics. The Astronomical Medicine project at the IIC uses the expertise of medical imaging on sky surveys and other

astronomical projects.

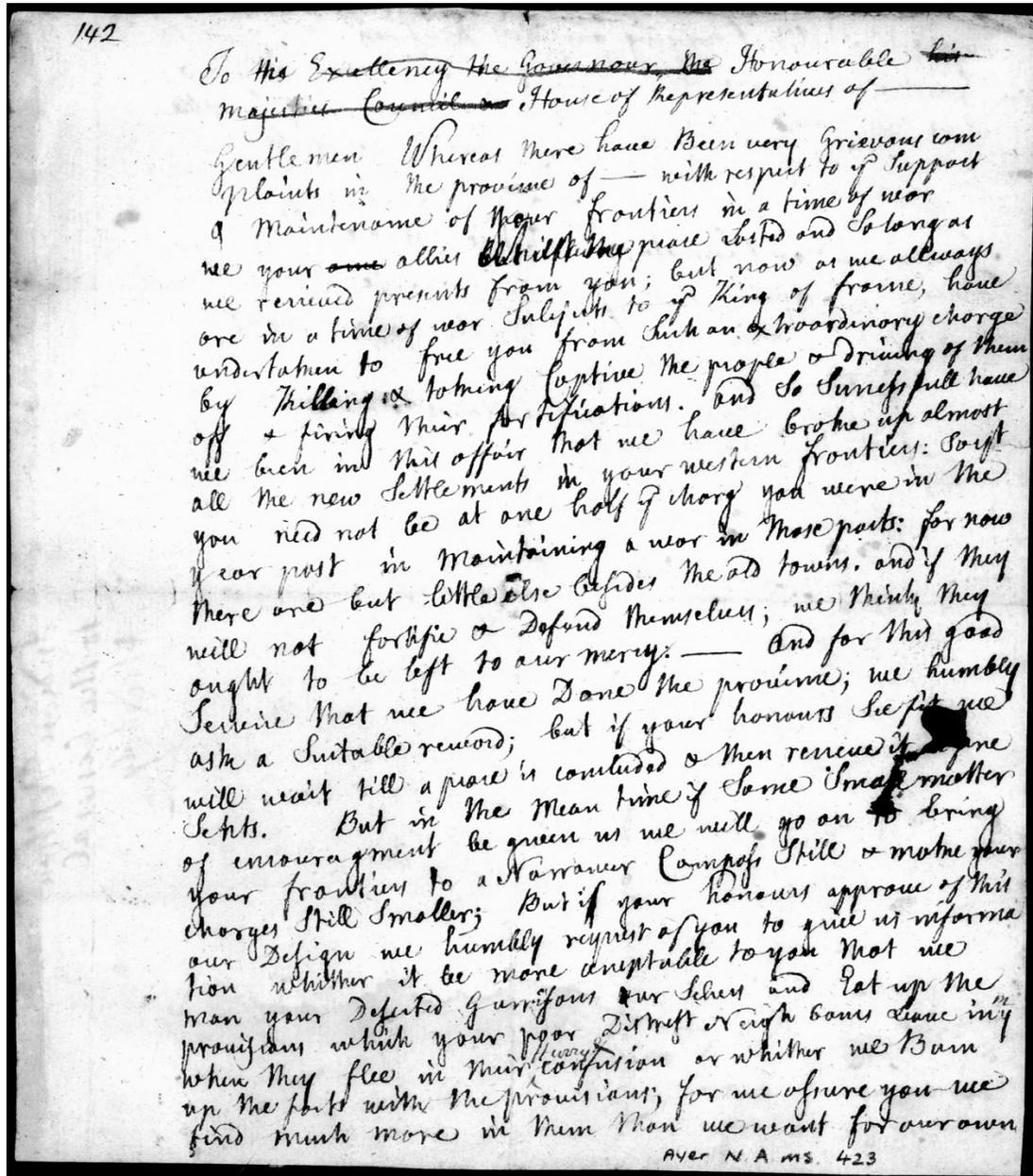
Walsworth cited a collaboration with the Harvard Center for Brain Science on nanoscale magnetic sensing as another case where new bioimaging tools are being developed by physical and life scientists working together.

“We plan to keep pushing the boundaries of what can be measured and imaged and then applying these new tools in both the physical and life sciences,” Walsworth said.

Collaborations such as these, Rosen said, illustrate the benefit of working at a large research institution such as Harvard, where advances in one field can benefit other fields, even though they are seemingly unrelated.

“The interesting thing is all of these connections between basic physics, way-out cosmology, patient care, computers, and technology,” Rosen said. “The same physics used to solve mysteries of the universe can be applied to these here-on-Earth problems.”

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In this 1747 'petition,' Native Americans explain with biting sarcasm that they would be happy to destroy the forts of English settlers that were cropping up throughout the Native region, thereby helping the English by lowering their cost of maintaining and supplying so many forts.

Courtesy Edward E. Ayer Collection, The Newberry Library, Chicago

Power of the pen in early America

Brooks explores the uses and significance of Native American writing in Colonies

By Emily T. Simon
FAS Communications

In 1747, three members of the Abenaki Native American tribe and their Mohawk ally posted a petition on a wall of an English fort in the Connecticut River Valley. The paper



Stephanie Mitchell/Harvard News Office

was small, but it spoke volumes.

Addressed to the General Assembly [of Massachusetts], the document — written entirely in English — gave notice that Abenakis and their allies were willing to help destroy the forts of English settlers that were cropping

up throughout the Native region. With biting sarcasm, the writers explained that the English would save money by having to maintain and supply fewer forts. The Native Americans would only require a small fee for their helpful services. As a final jab, they signed the petition with a flourish that echoed English etiquette — “we are your very humble, obsequious servants.”

According to Lisa Brooks, assistant professor of history and lit-

humanities

erature and of folklore and mythology, the petition signifies more than skillful use of sarcasm and irony. It is one example among many, she says, where Native Americans used their English writing skills to resist colonization and reclaim land.

“As colonization progressed, many Native leaders adopted writing as a tool to deal with issues that were important to their communities,” she said. “They wrote petitions, gave speeches, and recorded local histo-

ries. Writing was an imaginative route to survival for these people.”

The uses and significance of Native American writing in Colonial America forms the basis for Brooks’ forthcoming book, “The Common Pot: The Recovery of Native Space in the Northeast” (University of Minnesota Press). Through her scholarship, Brooks aims to reshape the general perception that Native people were illiterate and entirely oral.

“The illusion of Native Americans as illiterate people was popularized by the writings of James Fenimore Cooper in the early 19th century. And those stereotypes persisted,” Brooks explained, including the notion that “if Indians did take up writing, they wouldn’t be Indians anymore — they would become handmaidens to the Colonial project.”

Documents like the Abenaki petition, said Brooks, demonstrate otherwise.

“These men didn’t vanish. They adapted to the circumstances and found a way to use Colonial tools to their advantage,” she said.

“The petition is not a type of document you see coming from the missionary schools,” Brooks added, referring to the system of education

(See *Brooks*, next page)



Justin Ide/Harvard News Office

A rendering shows some of the details of the design of the 55,000-square-foot, four-story structure.

GSD students develop innovative plan for local school for deaf

By Colleen Walsh
Harvard News Office

Stricken with scarlet fever as a young boy, David Wright grew up in a silent world. In his moving autobiography, “Deafness: A Personal Account,” the South African-born author tells that story.

The compelling work was one of the first things a group of three Harvard Graduate School of Design (GSD) students turned to when tasked with the challenge of creating a new space for a

local school for the deaf. Since 1876, the picturesque home overlooking the Bass River in Beverly, Mass., has been a haven of learning for deaf students. Established by William B. Swett, a deaf man who served as president of the New England Gallaudet Association for the Deaf in the early 1870s, the school originally served 10 adults. In the succeeding 132 years, the facility, situated on the scenic hillside and known today as The Children’s Center for Communication & Beverly School for the Deaf, has grown to include a number of buildings and now educates a diverse student body.

But as it has grown, so has its need for more space. In addition to serving deaf students, the school currently works with children with physical and developmental disabilities. To accommodate the needs of its changing student population and increasing staff, one of the school’s trustees contacted Harvard for help in the hopes the GSD might create a contest for the design of the site. A student forum group at the Design School chose instead to let a group of students devote their summer to the project. Three friends from the same class, Andy Lantz ’10, Brett Albert ’10, and Jonathan Evans ’10, jumped at the chance.

Their first step was to try to comprehend what it means to be deaf in a hearing world. Enter Wright’s poignant, first-hand account, along with narratives by other deaf authors.

“It was more or less taking experiences that people were writing about and trying to translate that into some system of understanding how to develop the architec-

(See *GSD*, page 16)

Brooks

(Continued from previous page)

through which many Native Americans learned to read and write. “It’s protest literature — designed to push back the frontier — that makes nuanced use of English social conventions.”

Brooks drew the name of her book from a phrase that is mentioned repeatedly in Native American writings from the 18th and 19th centuries. “The Common Pot” was a metaphor that stood for community and shared sustenance, but also described the shape of the land itself.

“The Connecticut River Valley, or ‘Kwinitek’ in Abenaki, was a central trade route for Native people,” Brooks said. “It was a deep, fertile valley that sustained people and provided a network of relationships to other tribes.”

By focusing on Native American writings that address relationships and riverways within the “Common Pot,” Brooks was able to reconstruct the political geography of 18th and 19th century New England from the Native American perspective. She drew from a wealth of materials in public archives, such as the Newberry Library in Chicago (where the petition is held), as well as state libraries and historical societies.

“People are often surprised at how much material is out there,” she said. “These accounts enable us to get closer to the conversations that were going on at the time about social and political upheavals.”

In addition to the Abenaki petition, Brooks discusses several other cases where Native writing played a key role in Native resistance. For example, she traces the petitioning efforts of the Mohegan tribe as they sought to reclaim subsistence grounds in the Colony of Connecticut. One of the leaders in the land case, Samson Occom, recognized that divisive Colonial influences were causing the Native people to turn against one another, thus jeopardizing their chances of winning back the land. Occom wrote several petitions and letters to address this concern and also recorded community councils where the issue was discussed.

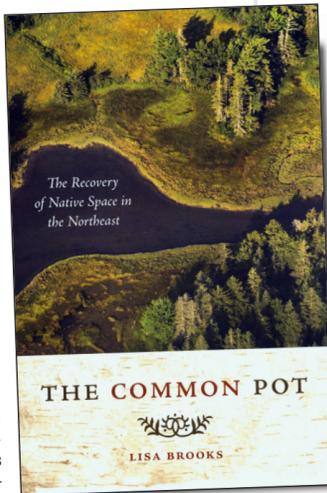
“There were often many competing visions of what the political landscape should look like, even within particular nations or regions,” Brooks explained. “Writing was a tool to help bring the community back together.”

“The Common Pot” also addresses peace negotiations between the fledgling United States and the United Indian Nations, a federated group of tribes centered in the Ohio Valley. Two of the native leaders selected to forge the peace — Joseph Brant of the Mohawk Nation and Hendrick Aupaumut of the Mohican Nation — had highly dissimilar visions of what the new political landscape should look like, and wrote extensively about their opinions on the subject.

“These writings, from people with very different cultural backgrounds, allow readers to understand how separate tribes viewed contemporary political processes,” she said.

Brooks, who is herself a member of the Abenaki Nation, hopes that her research will have an impact on how early American history and literature is taught and studied.

“This book represents a turning around of the standard historical narrative, which typically starts with the Puritans landing,” she said. “I am trying to advocate that we should teach this to our children, to change how people perceive the landscape of American studies.”



André Previn (right) listens carefully to a student trio, including cellist Katie Austin '09 (center). Later, he noted a 'romantic outlook' in Austin's playing.



Photos Stephanie Mitchell/Harvard News Office

Violinist Rachel Lee '10 listens carefully as Previn offers advice during a master class. Lee was one of six undergraduate performers who played for the composer/musician.

Maestro Previn guides students with expertise, wit

In master class, composer, pianist puts two trios through their musical paces

By Colleen Walsh
Harvard News Office



Nico Olarte-Hayes '11 listens to Previn's suggestions. Said Olarte-Hayes after the class, 'It's great to learn from the best.'

Music great Sir André Previn's motto, listed on his official Web site, reads, “A day without music is a wasted day.” Several Harvard students and two classical master composers put their day with the maestro to good use on Monday (Oct. 6).

Previn was in Boston to perform the world premiere of his short piece “Owls” with the Boston Symphony Orchestra, and was welcomed at Harvard where he conducted a master class organized by the Office for the Arts at Harvard, the Harvard Music Society of Kirkland House, and the Harvard Piano Society.

As part of the class, Previn listened to brief performances by two Harvard undergraduate trio groups, each consisting of a piano, violin, and cello,

and then offered the players his insight.

Before the music began, the composer walked stiffly to his seat, just to the right of the giant fireplace in Kirkland House Junior Common Room. Hobbled by a severe attack of arthritis, Previn apologized to the audience for his slow motion. Later, after the first trio's performance, he was unapologetic for his strong opinion of the Steinway piano he had just heard.

“It was so out of tune in the upper register it actually hurt,” he remarked, complaining that it affected the ability to play the instrument *pianissimo*, or very soft. “You can't really play a *pianissimo* when the notes ping out that badly,” he added.

Previn was much more forgiving with the artists who performed for him. He reviewed their work, and like all great conductors, used his words not to scrutinize their mechanics or skill, but to help them connect to the music on a deeper level.

he said, noting the cellist Katie Austin's '09 “romantic outlook” and the strong vibrato from violinist Alex Shiozaki '09.

“Just get a whole bunch of music and read it; just play one trio after the other; it doesn't make any difference whether it's any good or not or whether you make mistakes or not... Just play together. Play a lot because then you begin to hear what each one of you is up to and what you sound like as an ensemble.”

He followed the next piece, the first movement of the Brahms Piano Trio in B, Op. 8, reading along from a large, weathered score in his lap. When finished, he asked the players to perform the opening few measures again, and took them slowly through several other measures in the piece, getting each of them to focus on the melody, the tempo, and the expression of the work.

“It was very different — a lot more passion in it; it wasn't so careful,” he said after the group repeat-

ed the beginning of the movement. “The first time through, you tried to play everything absolutely on the button and it's not necessary,” he said.

He urged the three to get a copy of the unrevised version of the piece and compare it with what they had played. According to Previn, Clara Schumann, an accomplished pianist, the wife of composer Robert Schumann, and a longtime friend and love of Brahms, didn't like the original.

“She thought it was too passionate; it embarrassed her, seriously, and he wrote it again, much more to her liking,” said Previn, who again encouraged the players to experiment more with the work, and not heed so strictly to the written markings on the page.

“If you feel like it should go faster for a while, softer, louder, whatever, do it. It's a wildly romantic piece. If you play it too close to the vest, it loses... Go for it, go for it... Don't wait for the music that much.”

Previn fled Nazi Germany with his family in 1938 for Paris, and settled shortly after in Los Angeles. As a young man and piano prodigy, he worked composing film scores at MGM. Later he held conducting posts with several orchestras, including the Houston Symphony, the London Symphony Orchestra, and the Royal Philharmonic. Some of his key compositions include the opera “A Streetcar Named Desire” and his Violin Concerto (“Anne-Sophie”) written for his ex-wife, famed violinist Anne-Sophie Mutter. He is also a noted jazz pianist.

(See *Previn*, page 27)

Davis explains how he makes his operas swing

By Colleen Walsh
Harvard News Office

A former Harvard professor returned to campus last week to explain how he makes opera swing.

Anthony Davis, a composer known for his diverse approach to music, incorporating diverse elements like jazz, improvisation, minimalism, and the Javanese gamelan (an Indonesian musical ensemble that includes gongs, xylophones, and bamboo flutes) into his work, recently discussed his unique spin on the art form in a series of talks sponsored by the W.E.B. Du Bois Institute for African and African American Research.

Instead of using harmony and melody to carry the

drama in his operatic works, Davis employs repeating rhythmic structures. This idea takes a page from the minimalist's use of repetitive themes, he said, while incorporating other African-American inspired twists.

“I can do minimalism,” Davis told a diverse crowd at the Barker Center's Thompson Room, “but what happens when minimalism meets James Brown? What happens when minimalism meets Thelonious Monk? ... [It's] this idea of really trying to create a new kind of swing.”

Davis, a one-time professor of music at Harvard, and current professor of music at the University of California, San Diego, offered his perspective on the vocal art through the Du Bois Institute's Alain LeRoy

Locke Lectures titled, “Deconstructing Opera, Creating Opera in a Post-Colonial World.”

Critics laud Davis' operatic compositions for infusing new life into the conservative art form with his jazz-inspired motifs and politically and socially charged themes. The pianist and composer acknowledged the sense of incongruity he sometimes evokes — a man known primarily for his work in jazz and African-American informed music who is simultaneously captivated by a traditionally Western European-inspired tradition. Davis explained that his original interest in opera wasn't a musical one but something more abstract.

“I was drawn to the philosophical discourse on the (See *Opera*, page 27)



Kris Smithey/Harvard News Office

Anthony Davis (left) became interested in opera when he read Friedrich Nietzsche's 'The Birth of Tragedy from the Spirit of Music.'

GSD



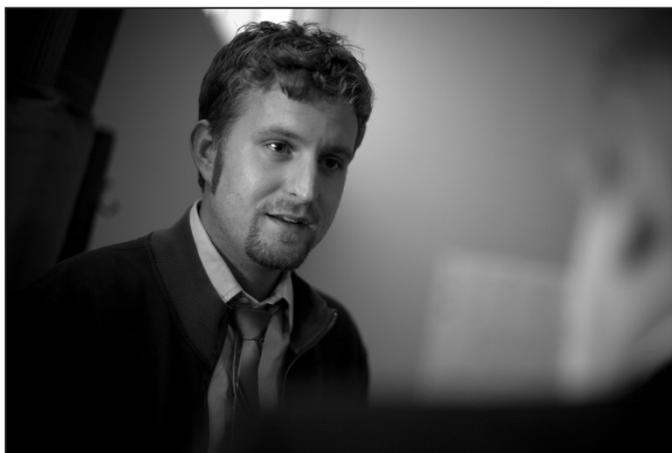
Image courtesy of Lantz, Albert and Evans

The atrium of the building, as shown in the artist's rendering above, is airy and lightfilled.

(Continued from page 13)

ture,” said Lantz, adding, “In a sense it’s almost an anthropological approach... because you have to become the person you are designing for and push yourself to find new ways and new understandings for what you are doing.”

In addition to their reading, the men traveled frequently to the school’s campus on the North Shore to



Three friends from the same GSD class, Andy Lantz '10 (above), Brett Albert '10, and Jonathan Evans '10, jumped at the chance to re-design the Beverly School for the Deaf.

meet with school officials and observe classes at the facility, getting to know students, teachers, and the surrounding community.

The result is a design of a 55,000-square-foot, four-story structure that incorporates disparate elements addressing the school’s particular needs.

A critical factor for the school, which relies heavily

on the use of American Sign Language, is the control of natural light. Students need to be able to clearly see an instructor who is using sign language, and solar glare from uncovered windows can inhibit their view.

On an early walk through the building, Albert, Evans, and Lantz noticed that the school’s current system of blinds — which can only be fully open or closed — left many of the classrooms in total darkness to eliminate the glare. To remedy the problem, they created a system of tall shelves with storage bins that could be removed, allowing teachers and students to control the amount of light.

To create more flexible classroom space, the design team introduced a series of moveable panels and dividers that let teachers work with students individually or in group settings. Their design also replaced stairs in certain areas with a system of ramps that allow a teacher to easily walk backward while continuing to sign. They also limited the vibrations from mechanical equipment and fluorescent bulbs that are often highly distracting to deaf students.

Additional open space was incorporated into the new building, allowing the school to lease the space to other nonprofits as a means of generating income. Also included in the design were other open areas that could be made available for local community events. The landscape of the center, too, was reconfigured. The students replaced a parking area with green space as part of an effort to shift some of the campus’s activities to the foreground of the site, a sloping green hill that looks over the Bass River.

“We wanted to demystify the entire idea of what a school for special needs is,” said Evans, who noted that

too often such schools are distanced from the public’s view, enforcing the notion of separateness.

During their research the team also realized the lack of design information available for the particular challenges faced by the deaf community. As a result, they created a Web site and catalog to accompany their project that could be used in the future as a reference tool for others looking to design similar projects.

“The focus became how do you use research to start to develop an architecture that is not simply addressing one situation of designing for the deaf, [but] becomes... a new approach or system for designing for the deaf,” said Lantz, who recently presented his findings to architecture students at two universities in Ecuador.

The plan met with enthusiasm at a discussion last month with the Beverly school’s board.

“I’m overwhelmed, said Anthony Fusco, a member of the school’s board for the past five years, “in a very positive sense. It’s remarkable how much thought has gone into this facility and this campus specific to the needs of the school. [It] fits right in with what [we] clearly see as a vision for the school; it’s very impressive.”

The school’s Executive Director Mark Carlson praised the three students for their committed effort.

“They have put incredible creativity and programmatic thought into the end results of the building,” he said, “which allows [it] to grow, develop, and be flexible to the changing needs of our programs.”

Carlson said he plans to use the new design to solicit backing and support for the new project.

colleen_walsh@harvard.edu



Evans explains the process he and his colleagues went through in coming up with a functional, elegant design.

Inside



'Just One Thing'
Holyoke Center exhibits photos
by Sarah Bettencourt
Page 19



'Sketches from the Shore'
Mixed media by Lyle Ashton
Harris on view at Du Bois
Page 22



East meets West
... in Mitsuko Asakura's
intricate weaves
Page 25

comedy

Sat., Oct. 18—"Comedy for a Cause 2008." (Harvard Concert Commission) Sanders Theatre, 8 p.m. Tickets are \$25 general; \$15 Harvard affiliates and students; \$10 Harvard students. Harvard Box Office (617) 496-2222.

concerts

Thu., Oct. 9—"Midday Organ Recital." (The Memorial Church, HAM) David Enlow, organist and choirmaster, Church of the Resurrection, New York, New York, and the Juilliard School. Adolphus Busch Hall, 29 Kirkland St., 12:15 p.m. Free and open to the public. Audience members are encouraged to bring a lunch. www.harvardmuseum.org.

Fri., Oct. 10—"Student Music Performance Series." (HAM) Sackler Museum, 485 Broadway, 3 p.m. Free with the price of admission. (617) 495-9400, www.harvardmuseum.org.

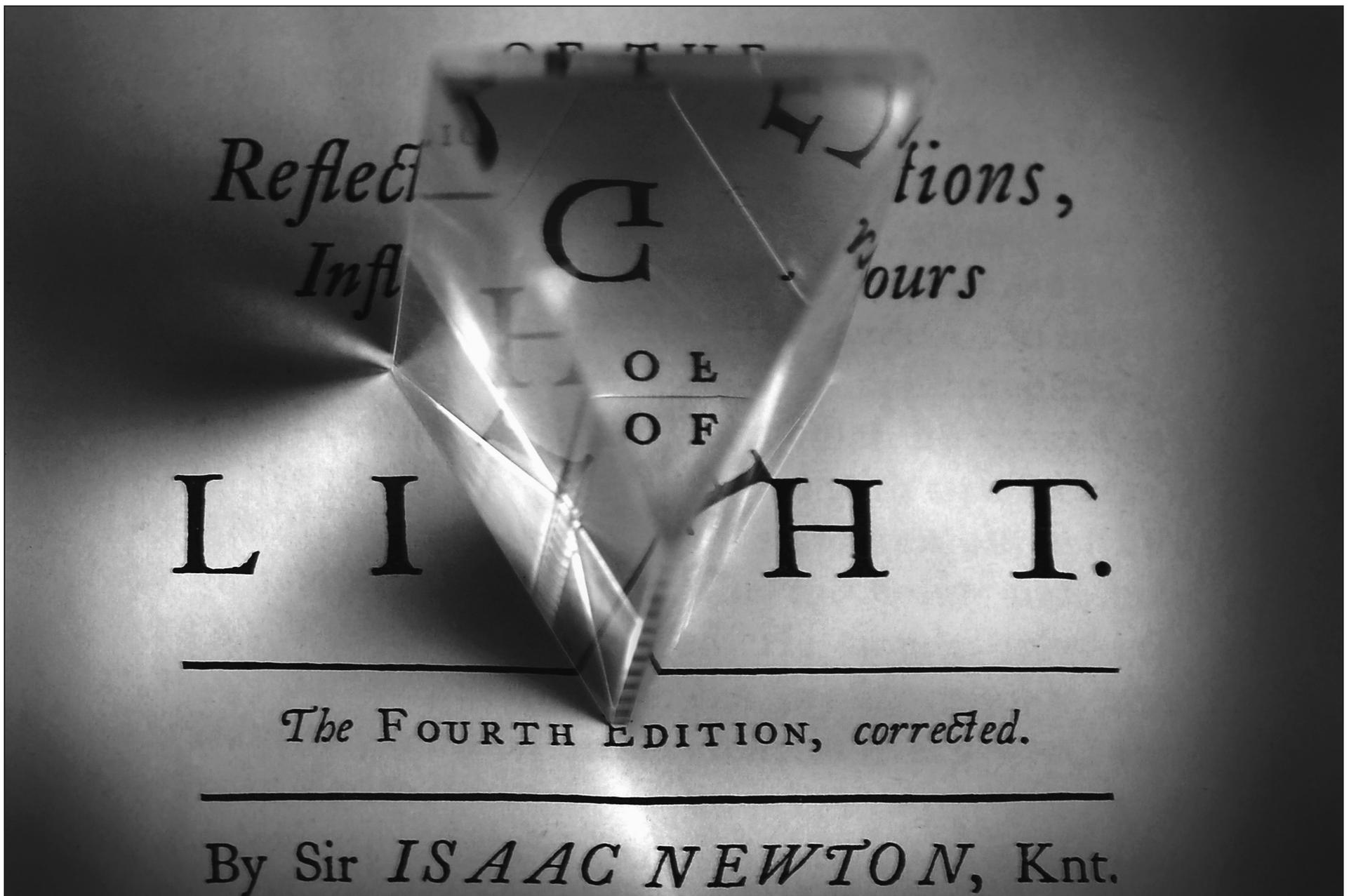
Sun., Oct. 12—"Wagner/Zwlich/Elgar." (Harvard Box Office) Boston Conservatory Orchestra with Bruce Hangen, conductor; Michael Sakir, guest conductor; Irina Muresanu, violin; and Andrew Mark, cello. Sanders Theatre, 2 p.m. Tickets are \$12 general; \$10 alumni and WGBH; \$5 students/senior citizens; other discounts available. Harvard Box Office (617) 496-2222.

Wed., Oct. 15—"Bartok, Saint-Saens, Dvorak." (Harvard Box Office) Boston Philharmonic Orchestra. Sanders Theatre, 7:30 p.m. Tickets are

Calendar

Events for October 9-23, 2008

(Continued on next page)



'Lost in Learning' features a collection of black-and-white prints by photographer Eva Timothy investigating the role exploration has to play in education from both historic and contemporary perspectives. The exhibit is on view at the Three Columns Gallery at Mather House through Oct. 17. See exhibitions, page 20.

ABOVE: Eva Timothy, 'Light - Opticks Title Page by Sir Isaac Newton'

(Continued from previous page)

\$70/\$55/\$40/\$15 general; \$5 off students/senior citizens; other discounts available. Harvard Box Office (617) 496-2222.

Thu., Oct. 16—**“Midday Organ Recital.”** (The Memorial Church, HAM) Haesung Park, Thornton School of Music, University of Southern California. Adolphus Busch Hall, 29 Kirkland St., 12:15 p.m. Free and open to the public. Audience members are encouraged to bring a lunch. www.harvardartmuseum.org.

Fri., Oct. 17—**“Student Music Performance Series.”** (HAM) Sackler Museum, 485 Broadway, 3 p.m. Free with the price of admission. (617) 495-9400, www.harvardartmuseum.org.

Sat., Oct. 18—**“Ravel, Prokofiev & Haydn.”** (Bach Society Orchestra) Bach Society Orchestra performs, featuring Rachel Lee '10, violin. Paine Hall, 8 p.m. Tickets are \$12 general; \$8 students/senior citizens. Harvard Box Office (617) 496-2222.

Guidelines for listing events in Calendar

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

To place a listing

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

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Deadlines

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

Online

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

Available space

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

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

Sun., Oct. 19—**“Bartok, Saint-Saens, Dvorak.”** (Harvard Box Office) Boston Philharmonic Orchestra performs, featuring George Li, piano. Sanders Theatre, 3 p.m. Tickets are \$78/\$60/\$45/\$25 general; \$5 off students/senior citizens; other discounts available. Harvard Box Office (617) 496-2222.

Sun., Oct. 19—**“Durufle, Faure, Mendelssohn.”** (Harvard Box Office) Boston Chamber Music Society performs. Sanders Theatre, 7:30 p.m. Tickets are \$50/\$40/\$30/\$20 general; \$8 tickets in the \$30 and \$20 sections students; \$4 off senior citizens; other discounts available. Harvard Box Office (617) 496-2222.

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

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

dance

Fri., Oct. 17-Sat., Oct. 18—**“Raunak 2008.”** (South Asian Dance Company) 7th annual intercollegiate fusion charity dance show. Featuring performances from groups from Harvard, MIT, UPenn, UMass Amherst, Brown, Tufts, BU, NYU, and others. Proceeds will be donated to Y.R.G. CARE, a nonprofit based in Chennai dedicated to fighting the AIDS epidemic through direct service and research. Lowell Lecture Hall, 17 Kirkland St., corner of Kirkland and Oxford streets, Fri.: 9 p.m.; Sat.: 8 p.m. Tickets are \$10 general; \$7 students. Harvard Box Office (617) 496-2222.

theater

American Repertory Theatre
Through Sat., Oct. 11—**“Let Me Down Easy,”** written and performed by Anna Deavere Smith, is a journey in search of human qualities that are too seldom in the news — compassion, generosity, and grace in the face of a complex world. Directed by Eric Ting with new music elements composed by Joshua Redman.

—*Performances take place at the Loeb Drama Center, various times. Ticket prices range from \$15-\$79 general; \$25 students; \$10 off for senior citizens; group discounts available. Hot Tix: Select performances to all productions have limited \$25 tickets available. Tickets are available through the A.R.T. Box Office (617) 547-8300, in person at the Loeb Drama Center Box Office, or www.amrep.org.*

Thu., Oct. 9-Sat., Oct. 11—**“Ajax in Iraq,”** written by Ellen McLaughlin and directed by Scot Zigler, uses Sophocles’ “Ajax” as a lens through which to view and interpret the current war in Iraq. World premiere presented by the A.R.T./MXAT Institute for Advanced Theatre Training. Discussions with Ellen McLaughlin will follow the 7:30 performances on Oct. 9 and 10, and also the 1:30 performance on Oct. 11. —*Performances take place at Zero Arrow Theatre, corner of Arrow St. and Mass. Ave. at 7:30 p.m. each night, with an additional matinee at 1:30 p.m. on Saturday. Tickets are \$10 general; \$5 students/senior citizens; free for A.R.T. subscribers. Tickets are available through the A.R.T. Box Office (617) 547-8300, in person at the Loeb Drama Center Box Office, or www.amrep.org.*

Sat., Oct. 18-Sun., Nov. 9—**“The Communist Dracula Pageant,”** by Americans, for Americans with hallucinations, phosphorescence, and bears, by Anne Washburn and directed by Anne Kauffman, draws from trial transcripts

and from Romania’s rich folklore. The world premiere dramatizes the final days of Nicolae and Elena Ceausecu, the autocrats who ruled Romania from 1965 to 1989, and travels across Romanian myth and history through three time periods: 1989, 1976, and the fifteenth century.

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

film

Thu., Oct. 16—**“Presentation of 2008 McMillan-Stewart Fellowship in Distinguished Filmmaking to Mahamat-Saleh Haroun.”** (Film Study Center) Screening of “Daratt (Dry Season)”; discussion with filmmaker to follow. Lecture hall, Carpenter Center, 24 Quincy St., 7:30 p.m.

Fri., Oct. 17—**“CES Undergraduate Board Movie Screening.”** (CES) Film TBA. Lower level conference room, CES, 27 Kirkland St., 6:30 p.m. ebruemm@fas.harvard.edu.

Fri., Oct. 17—**“Screening of Short Films.”** (Film Study Center) Screening of short films by Mahamat-Saleh Haroun. Lecture hall, Carpenter Center, 24 Quincy St., 7 p.m.

Brazil Studies Program, DRCLAS
Film screenings take place in Tsai Auditorium, CGIS South, 1730 Cambridge St. Sponsored by the Brazil Studies Program, DRCLAS, and the Harvard Brazilian Organization.
Tue., Oct. 14—Mattos and Abreu’s **“Jongos, Calangos e Folias: Música Negra, Memória e Poesia”** (2005) at 6 p.m.

The Coyote’s Trail Film Series, DRCLAS
Film screenings take place in Tsai Auditorium, CGIS South, 1730 Cambridge St. Sponsored by Latin American Studies. chbarron@fas.harvard.edu, www.drclas.harvard.edu.
Thu., Oct. 9—Hill’s **“Guest Worker”** (2006) at 6 p.m.
Thu., Oct. 23—Becker’s **“Romántico”** (2005) at 6 p.m.

Harvard Film Archive

All films are screened in the Main Auditorium of the Carpenter Center for the Visual Arts, 24 Quincy St. Video presentations are presented in B-04, a smaller auditorium next to the main auditorium. Programs are subject to change; call for admission charges and details. The Film Archive publishes a schedule of films and events that is available at the Carpenter Center. (617) 495-4700, <http://hcl.harvard.edu/hfa/>.
Thu., Oct. 9—No screenings
Fri., Oct. 10—Palestine Documentary Today: **“The Roof,” “Around,”** and **“Rico in the Night”** at 7 p.m.; **“33 Days”** and **“The Shooter”** at 9 p.m.
Sat., Oct. 11—Martel’s **“La Ciénaga”** at 7 p.m.
Sun., Oct. 12—Shalom’s **“To See If I’m Smiling”** at 3 p.m.; Martel’s **“La Niña Santa”** at 7 p.m. with director in person. Special events tickets are \$10.
Mon., Oct. 13—Martel’s **“The Headless Woman”** at 7 p.m. with director in person. Special events tickets are \$10.

Tue., Oct. 14—Free VES screening: **“Goodbye, Dragon Inn”** (2003) at 7 p.m.
Wed., Oct. 15—Free VES screening: **“The Man with a Movie Camera”** (1929) at 7 p.m.
Thu., Oct. 16—Haroun’s **“Dry Season”** and **“Letter from New York”** and **“Expectations”** at 7:30 p.m. with director in person; free event
Fri., Oct. 17—Haroun’s **“Sex, Gumbo and Salted Butter”** and **“Kalala”** at 7 p.m. with director in person; free event
Sat., Oct. 18—**Program One: Films by Bruce Conner** at 7 p.m.
Sun., Oct. 19—**Program Two: Films**

by Bruce Conner at 3 p.m.; **Program Three: Films by Bruce Conner** at 7 p.m.
Mon., Oct. 20—Silva’s **“Balkan Rhapsodies: 78 Measures of War”** at 7 p.m. with director in person. Special events tickets are \$10.

Tue., Oct. 21—Free VES screening: **“La Notte”** (1960) at 7 p.m.
Wed., Oct. 22—Free VES screening: **“October”** (1928) at 7 p.m.
Thu., Oct. 23—No screenings
Fri., Oct. 24—Minnelli’s **“The Bad and the Beautiful”** at 7 p.m.; Minnelli’s **“Two Weeks in Another Town”** at 9:15 p.m.

Real Colegio Complutense

Films are presented at Real Colegio Complutense, 26 Trowbridge St., in Spanish with English subtitles. Free and open to the public. (617) 495-3536, www.realcolegiocomplutense.harvard.edu.
Fri., Oct. 10—Huerga’s **“Salvador (Puig Antich)”** (2006) at 7:30 p.m.
Fri., Oct. 17—Buñuel’s **“Los olvidados”** (1950) at 7:30 p.m.
Fri., Oct. 24—Saura’s **“Goya en Burdeos”** (1999) at 7:30 p.m.

radio

Harvard Radio WHRB (95.3 FM)

WHRB presents the finest in classical, jazz, underground rock, news, and sports programming, and has 24-hour live Internet streaming from its Web site. Program guide subscriptions are free. (617) 495-4818, mail@whrb.org, www.whrb.org.
“Hillbilly at Harvard” —Saturdays, 9 a.m.-1 p.m.

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

exhibitions

Arnold Arboretum

“Jamaica Plain Open Studios: Artists in the Arboretum” features Arboretum-inspired work by local artists. (Through Oct. 10)
—*Lecture hall, Hunnewell Building, 125 Arborway, Jamaica Plain. Call ahead for hours. (617) 524-1718, www.arboretum.harvard.edu.*

“Science in the Pleasure Ground” provides a captivating retrospective on the oldest arboretum in the nation. The central feature of the exhibit is an 8-foot by 15-foot scale model of the Arboretum that includes historical vignettes and present-day attractions. (Ongoing)
—*Hunnewell Building, 125 Arborway, Jamaica Plain. Hours are Mon.-Fri., 9 a.m.-4 p.m.; Sat., 10 a.m.-4 p.m.; Sun., noon-4 p.m.; closed holidays. (617) 524-1718, www.arboretum.harvard.edu.*

“Twelve Months: Painting Through the Seasons” features paintings by Kate Cardamone portraying each month of the year. Reception with the artist Sat., Oct. 18, 1-3 p.m., followed by a walk through the landscape led by the artist. (Oct. 18-Dec. 14)
—*Lecture hall, Hunnewell Building, 125 Arborway, Jamaica Plain. Call ahead for hours. (617) 524-1718, www.arboretum.harvard.edu.*

Cabot Science Library

“Birds Do It, Bees Do It, Even Roaming Caribou Do It: Migration in the Animal Kingdom” looks at the migration of mammals, birds, and insects, with an emphasis on how human behavior and activity impacts the movement of animals through the environment. (Oct. 17-Jan. 22)
—*Cabot Science Library. (617) 496-5534.*

“Sublime Spectacle: Exploration and Geology in the Grand Canyon” shows what the canyon consists of and how it was formed, and also discusses the exploration of the canyon by scientists in the 19th century. Clarence Dutton’s “Atlas to Accompany the Tertiary History

of the Grand Cañon District” will be on display. (Through Oct. 10)
—*Cabot Science Library, main floor. (617) 496-5534.*

Carpenter Center

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

“New Faculty Show” features work by Sanford Biggers, Taylor Davis, Greg Halpern, David Lobser, and Catherine Lord. From film and video to mixed media sculpture to animation and pho-

Calendar abbreviations

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

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

tography, the work in this show highlights the intersections between contemporary art and contemporary technologies to address contemporary concerns. (Through Oct. 23)

—*Main gallery, Carpenter Center, 24 Quincy St. Hours are Mon.-Sat., 9 a.m.-11 p.m.; Sun., noon-11 p.m. (617) 495-3251, tblanch@fas.harvard.edu, www.ves.fas.harvard.edu.*

Collection of Historical Scientific Instruments

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

Countway Library of Medicine

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

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

—*Center for the History of Medicine, Countway Library. (617) 432-6207, jack_ekert@hms.harvard.edu.*

“The Warren Anatomical Museum” presents over 13,000 rare and unusual objects, including anatomical and pathological specimens, medical instruments, anatomical models, and medical memorabilia of famous physicians. (Ongoing)
—*Warren Museum Exhibition Gallery,*

5th floor, Countway Library. (617) 432-6196.

Du Bois Institute

“Sketches from the Shore” features new work by Lyle Ashton Harris inspired by his life in Ghana the past few years, as well as other recent works. The exhibit explores shifting concepts of African modernity and works range from evocative portraits to mixed media pieces comprised of video and collage, utilizing materials such as silver foil, silk organza, and Ghanaian funerary textiles. The show expresses the hybrid rhythms and sublime nuances of daily life. Opening lecture Wed., Oct. 15, Sackler Museum, 485 Broadway, 6 p.m. Reception to follow at Du Bois Institute. (Through Jan. 3)

—*Neil L. and Angelica Zander Rudenstine Gallery, Du Bois Institute, 104 Mt. Auburn St., 3R. (617) 495-8508, www.dubois.fas.harvard.edu.*

Fine Arts Library

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

Graduate School of Design

“New Trajectories: Contemporary Architecture in Croatia and Slovenia” features thirteen design practices highlighting new generations of Croatian and Slovenian architects, in transition from communist Yugoslavia to capitalist countries, who have developed exceptional work that is both innovative and charged with the legacy of their own architectural heritage. (Through Oct. 19)
—*Gund Hall Gallery, GSD, 48 Quincy St. Free. bking@gsd.harvard.edu, www.gsd.harvard.edu.*

Graduate School of Education

“Splendid Scenes” features traditional Chinese paintings by Weicheng Huang, a graduate of the Yunnan Art Institute who has exhibited his works in China, Taiwan, and Canada. (Through Oct. 17)
—*Gutman Library, GSE. www.gse.harvard.edu/library/spotlight/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. NOTE: The Fogg and Busch-Reisinger closed to the public on June 30 for a renovation project lasting approximately five years. The Sackler will remain open during the renovation.*

Harvard Museum of Natural History

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

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

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

“Language of Color” looks at the vastly different ways and reasons animals display color. This exhibition combines dramatic specimens from across the animal kingdom with computer interactives, hands-on activities, and a stunning display of live dart frogs. Visitors will learn

how color and its perception have evolved, resulting in a complex and diverse palette used to camouflage, startle predators, mimic other animals, attract a mate, or intimidate a rival. (Through Sept. 6, 2009)

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

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

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

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

Harvard Neighbors

“New work” at Harvard Neighbors Gallery features photography by Justin Ide and bronze sculptures by Silvana Mizrahi. (Oct. 15-Nov. 5)
—*Harvard Neighbors Gallery, 17 Quincy St. Gallery open weekdays only; call (617) 495-4313 for hours. www.neighbors.harvard.edu.*

Holyoke Center

“Just One Thing” features photographs by Sarah Bettencourt created with a medium format film camera through a slow, deliberate process. The images focus one’s gaze on an isolated subject matter. (Oct. 10-Nov. 5)
—*Holyoke Center Exhibition Space, Holyoke Center Arcade, 1350 Mass. Ave. Mon.-Fri., 8 a.m.-7:30 p.m.; Sat.-Sun., 9 a.m.-6 p.m. Free and open to the public. (617) 495-5214.*

Houghton Library

“His Name Stuck to Every Greatness: Harvard University’s Charles Eliot Norton” is a small centennial exhibition celebrating Norton’s library, which came to Harvard at his death, and the subscription fund raised by 581 graduates, the income from which is used to add to this famous collection of books and manuscripts. (Through Oct. 18)
—*Amy Lowell Room, Houghton Library. (617) 495-2441.*

“Immersed in a ‘Different Atmosphere’: Reflections on Yaddo” focuses on the experiences of creative visitors to Yaddo, a writer/artist retreat created in 1900 by Spencer and Katrina Trask of Saratoga Springs, New York. Some of the more than 5,000 writers and artists who visited the retreat were Robert Lowell, Elizabeth Bishop, Thomas Wolfe, and James Laughlin. (Oct. 22-Jan. 28)
—*Amy Lowell Room, Houghton Library. (617) 495-2449.*

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

Lamont Library

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

Landscape Institute

“APLD New England Designer Showcase” exhibits the work of New England landscape designers. Reception with designers Fri., Oct. 10, 5:30-7 p.m. RSVP to maria@mariavonbrincken.com. (Through Oct. 17)
—*Landscape Institute, 30 Chauncy St. (617) 495-8632, www.landscape.arboretum.harvard.edu.*

Peabody Museum

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

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

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

(Continued on next page)



Oct. 10-Nov. 5

‘Just One Thing’ features photographs by Sarah Bettencourt created with a medium format film camera through a slow, deliberate process. The images focus one’s gaze on an isolated subject matter. The exhibit is on view in the Holyoke Center Arcade Oct. 10-Nov. 5. See exhibitions, this page.

LEFT: ‘Chair,’ C-print, 2008

(Continued from previous page)

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

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

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

“REMIX: Indigenous Identities in the 21st Century” features the works of four visual artists — Doug Miles, Ryan Red Corn, Courtney Leonard, and Bunky Echo-Hawk — and rapper Quese IMC, who have embraced the ethos of modern Native American heritage, transforming traditional materials, ideas and iconography into powerful contemporary art. (Through Oct. 19)

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

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

Pusey Library

“From the Amazon to the Volga: The Cartographic Representation of Rivers” examines how mapmakers from the 15th century to the early 20th century sought to measure, track, and frame some of the major rivers of the world, including the Tigris and Euphrates, Amazon, Don, Danube, Nile, Congo, Rhine, Volga, and Mississippi. (Through Jan. 30)
—*Map Gallery Hall, Pusey Library. (617) 495-2417.*

“Theodore Roosevelt in Cartoon: The Verdict, 1898-1900.” (Through September 2008)
—*Theodore Roosevelt Gallery, Pusey Library. Mon.-Fri., 9 a.m.-4:45 p.m. (617) 384-7938.*

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

Resichauer Institute

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

Schlesinger Library

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

Semitic Museum

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

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

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

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

Three Columns Gallery

“Lost in Learning” features a collection of black-and-white prints by photographer Eva Timothy. The exhibit draws from original works of literature and art, as well as artifacts from Harvard’s collection of Historical Scientific Instruments, to investigate the role exploration has to play in education from both historic and contemporary perspectives. (Through Oct. 17)
—*Three Columns Gallery, Mather House, 10 Cowperwaite St. (617) 470-4789, http://mather.harvard.edu/three_column/exhibit.php, www.lostinlearning.com.*

Tozzer Library

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

lectures

art/design

Thu., Oct. 9—**“The Mazarin Chest Project: The Conservation, Science, and Material Culture of Japanese Export Lacquer.”** (HAM) Rupert Faulkner, Victoria and Albert Museum, London. Room TBA, Sackler Museum, 4 p.m.

Thu., Oct. 9—**“Double Agency: Tafuri/Piranesi — The Remix.”** (GSD) Mark Rakatansky, principal, Mark Rakatansky Studio, and Columbia University. Piper Auditorium, Gund Hall, GSD, 6:30 p.m. Free and open to the public.

Thu., Oct. 9—**“Ajax in Iraq.”** (A.R.T.) Post-performance discussion with Ellen McLaughlin, playwright. Zero Arrow Theatre, 7:30 p.m. Tickets are \$10 general; \$5 students/senior citizens; free for A.R.T. subscribers. Tickets are available through the A.R.T. Box Office (617) 547-8300, in person at the Loeb Drama Center Box Office, or www.amrep.org. See theater.

Fri., Oct. 10—**“Deathbowl to Downtown: The Evolution of Skateboarding in New York City.”** (GSD)

Film screening and conversation with filmmakers Coan “Buddy” Nichols and Rick Charnoski. Piper Auditorium, Gund Hall, GSD, 6:30 p.m. Free and open to the public.

Fri., Oct. 10—**“Ajax in Iraq.”** (A.R.T.) Post-performance discussion with Ellen McLaughlin, playwright. Zero Arrow Theatre, 7:30 p.m. Tickets are \$10 general; \$5 students/senior citizens; free for A.R.T. subscribers. Tickets are available through the A.R.T. Box Office (617) 547-8300, in person at the Loeb Drama Center Box Office, or www.amrep.org. See theater.

Sat., Oct. 11—**Gallery Talk. “American Art at Harvard.”** (HAM) Melissa Renn, Harvard Art Museum. Sackler Museum, 485 Broadway, 11 a.m. Free. (617) 495-9400, www.harvardartmuseum.org.

Sat., Oct. 11—**“Ajax in Iraq.”** (A.R.T.) Post-performance discussion with Ellen McLaughlin, playwright. Zero Arrow Theatre, 1:30 p.m. Tickets are \$10 general; \$5 students/senior citizens; free for A.R.T. subscribers. Tickets are available through the A.R.T. Box Office (617) 547-8300, in person at the Loeb Drama Center Box Office, or www.amrep.org. See theater.

Tue., Oct. 14—**“Discussions in Architecture.”** (GSD) Wes Jones and Preston Scott Cohen, principal, Jones, partners: architecture. Piper Auditorium, Gund Hall, GSD, 6:30 p.m. Free and open to the public.

Wed., Oct. 15—**Gallery Talk. “Portraiture.”** (HAM) Lyle Ashton Harris, New York University, artist. Sackler Museum, 485 Broadway, 2 p.m. Free with the price of admission. (617) 495-9400, www.harvardartmuseum.org.

Wed., Oct. 15—**M. Victor Leventritt Lecture. “On His Work: Lyle Ashton Harris.”** (Du Bois Institute, HAM) Lyle Ashton Harris, New York University, artist. Lecture hall, Sackler Museum, 485 Broadway, 6 p.m. Free and open to the public. Reception and gallery viewing with the artist to follow at the Du Bois Institute, 104 Mt. Auburn St., 3R. (617) 495-9400, janet_sartor@harvard.edu, www.harvardartmuseum.org, www.dubois.fas.harvard.edu.

Wed., Oct. 15—**“The Forest and the City: The Birth of Modern Planning in Mexico City, 1880-1940.”** (DRCLAS) Alfonso Valenzuela Aguilera, University of California, Berkeley. Room S-250, 2nd floor, CGIS South, 1730 Cambridge St., 6 p.m. karl@fas.harvard.edu, www.drclas.harvard.edu/events.

Thu., Oct. 16—**“Free Lunchtime Tour of Ancient Israel.”** (Semitic Museum) Semitic Museum, 6 Divinity Ave., 12:15 p.m. www.fas.harvard.edu/~semitic.

Thu., Oct. 16—**“Commemoration of Genevieve McMillan.”** (Film Study Center) Lecture hall, Carpenter Center, 24 Quincy St., 5 p.m. Reception to follow.

Thu., Oct. 16—**“Global Space in Mutation.”** (GSD) Scott Lash, Goldsmiths College, University of London. Piper Auditorium, Gund Hall, GSD, 6:30 p.m. Free and open to the public.

Thu., Oct. 16—**“Presentation of 2008 McMillan-Stewart Fellowship in Distinguished Filmmaking to Mahamat-Saleh Haroun.”** (Film Study Center) Screening of “Daratt (Dry Season)” ; discussion with filmmaker to follow. Lecture hall, Carpenter Center, 24 Quincy St., 7:30 p.m.

Thu., Oct. 16—**“The Relationship Between Satisfaction and Loyalty: A Focus on the Spanish Arts Consumer.”** (Real Colegio Complutense) Javier Flores, Universidad Complutense de Madrid. Conference room, RCC, 26 Trowbridge St., 7:30 p.m. Free and open to the public. www.realcolegiocomplutense.harvard.edu.

Mon., Oct. 20—**“Follies of Infrastructure: Why the Worst Projects Get Built, and How To Avoid It.”** (GSD) Bent Flyvbjerg, Aalborg University, Denmark. Piper Auditorium, Gund Hall,

GSD, 6:30 p.m. Free and open to the public.

Tue., Oct. 21—**“P’alante siempre p’alante.”** (DRCLAS) William Cordova, artist, in conversation with Evan Garza, Center for Latino Arts, Boston. Room S-050, CGIS Building, 1730 Cambridge St., 6 p.m. Talk will be in English. artforum@fas.harvard.edu, www.fas.harvard.edu/~artforum.

Tue., Oct. 21—**“The Architecture of Competitions.”** (GSD) Benjamin Hossbach, architect, [phase eins], Berlin. Piper Auditorium, Gund Hall, GSD, 6:30 p.m. Free and open to the public.

Wed., Oct. 22—**“Free Lunchtime Tour of Mesopotamia.”** (Semitic Museum) Semitic Museum, 6 Divinity Ave., 12:15 p.m. www.fas.harvard.edu/~semitic.

Wed., Oct. 22—**Frederick Law Olmsted Lecture. “Recent Works.”** (GSD) Anita Berrizbeitia, University of Pennsylvania. Piper Auditorium, Gund Hall, GSD, 6:30 p.m. Free and open to the public.

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

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

business/law

Fri., Oct. 10—**“Disability & Development in China & East Asia.”** (Harvard Project on Disability, EALS) Charlotte McClain-Nhlapo, World Bank. Room 419, Pound Hall, HLS, 3 p.m. Light refreshments served. www.law.harvard.edu/programs/eals.

Wed., Oct. 15—**“NGO Leaders in Humanitarian Aid and Development Seminar Series.”** (Hauser Center) Sam Worthington, president and CEO, InterAction. Fainsod Room, Littauer 324, HKS, 9:30 a.m. Free and open to the public. www.hks.harvard.edu/hauser/engage/humanitarianorganizations/ngoleadersseminarseries.

Wed., Oct. 15—**“From Subprime to Prime Time — Implications of the U.S. Credit Crisis for Asia and China.”** (HKS China Caucus) Thomas Deng, Goldman Sachs, Asia. Littauer 382, HKS, 6 p.m.

conferences

Fri., Oct. 10-Sun., Oct. 12—**“28th Annual Harvard Celtic Colloquium.”** (Celtic Languages and Literatures) Featuring works-in-progress in Celtic languages, literatures, and cultural, historical, or social science topics directly related to Celtic studies. Thompson Room, Barker Center, 12 Quincy St., Fri.: 9 a.m.-5:45 p.m.; Sat.: 9:30 a.m.-6:45 p.m.; Sun.: 9:30 a.m.-1:30 p.m. Free and open to the public; no pre-registration required. www.fas.harvard.edu/~celtic.

Fri., Oct. 17-Sat., Oct. 18—**“Charting New Pathways to Participation & Membership.”** (Charles Hamilton Houston Institute) A conference exploring ways to foster full and equitable participation in the economic, political, and social life for people who live in the United States. Keynote address by Sandra Day O’Connor, retired Supreme Court Justice; concluding panel featuring O’Connor, Rev. Desmond Tutu, the Hon. Pius Nkonzo Langa, and Dolores Huerta. Ames Courtroom, Austin Hall, HLS,

1515 Massachusetts Ave. Free and open to the public. (617) 495-8285. RSVP at www.charleshamiltonhouston.org.

Wed., Oct. 22-Fri., Oct. 24—**“Defining New Frontiers To Eradicate Cancer.”** (HMS) The latest advances in cancer research and treatment will be presented by leading researchers and clinicians from around the world. Featuring keynote speaker Philip A. Sharp, Nobel laureate. Joseph B. Martin Conference Center, HMS, 77 Avenue Louis Pasteur. Register online at www.bidmc-cancer-symposium.com or call (617) 337-9501 by Oct. 8.

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

Fri., Oct. 24-Sat., Oct. 25—**“The Chinese Art of Enlivenment: A Symposium.”** (Rockefeller Fund, History of Art and Architecture, Harvard-Yenching Institute, Fairbank Center) Opening address by Eugene Wang, Harvard University; closing remarks by Yukio Lippit, Harvard University. Thompson Room 110, Barker Center, 12 Quincy St., Fri.: 9:30 a.m.-5:45 p.m.; Sat.: 9:15 a.m.-5:50 p.m. miller9@fas.harvard.edu, www.fas.harvard.edu/~eaah/conferences/oct-2008/index.html.

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

environmental sciences

Wed., Oct. 15—**“Voluntary Corporate Environmental Initiatives and Shareholder Wealth.”** (HKS) Karen Fisher-Vanden, Pennsylvania State University, and Karin Thorburn, Dartmouth College. Room L-382, HKS, 79 JFK St., 4:10 p.m. (617) 496-8054, http://isites.harvard.edu/icb/icb.do?keyword=k40206.

Fri., Oct. 17—**“American Environmental History: Sea.”** (Warren Center, HUCE) Jeffrey Bolster, University of New Hampshire; D. Graham Burnett, Princeton University; and Helen Rozwadowski, University of Connecticut. History Library, 1st floor, Robinson Hall, 2 p.m.

Mon., Oct. 20—**“Confessions of an Eco-Sinner.”** (Cambridge Forum) Fred Pearce, science journalist. First Parish, 3 Church St., 7:30 p.m. Booksigning to follow. Free and open to the public.

Wed., Oct. 22—**“Sustainability Event at Harvard: Robert Coles ‘Call of Service’ Lecture.”** (Office of the President, PBHA) Al Gore, former vice president. Tercentenary Theatre, 3 p.m. (refreshments), 4 p.m. (program). Open to the Harvard community. www.green.harvard.edu.

Wed., Oct. 22—**“Evaluating Emissions Trading Using a Nearest (Polluting) Neighbor Estimator.”** (HKS) Meredith Fowle, University of Michigan; Stephen Holland, University of North Carolina; and Erin Mansur, Yale University. Room L-382, HKS, 79 JFK St., 4:10 p.m. (617) 496-8054, http://isites.harvard.edu/icb/icb.do?keyword=k40206.

health sciences

Thu., Oct. 16—**“Eliminating Disparities in Healthcare: The Role of Healthcare Professionals.”** (Radcliffe Institute) Lisa A. Cooper, Johns Hopkins Medical Institutions. Radcliffe Gymnasium, 10 Garden St., 4 p.m. Free and open to the public. (617) 495-8600, www.radcliffe.edu.

Thu., Oct. 23—**“Background of Breast Cancer.”** (HMS) Grace Wyszak, HSPH.

Room 10, Harvard Faculty Club, 20 Quincy St., 7:45 a.m. Breakfast will be served.

Medical School

Thu., Oct. 16—**“New Ideas about Human Behavior in Economics and Medicine.”** (Health Care Policy) 8th Annual Marshall J. Seidman Lecture. Peter R. Orszag, director, Congressional Budget Office. Carl W. Walter Amphitheater, Tosteson Medical Education Center, HMS, 260 Longwood Ave., 4:30 p.m. craw@hcp.med.harvard.edu.

Wed., Oct. 22-Fri., Oct. 24—**“Defining New Frontiers To Eradicate Cancer.”** (HMS) The latest advances in cancer research and treatment will be presented by leading researchers and clinicians from around the world. Featuring keynote speaker Philip A. Sharp, Nobel laureate. Joseph B. Martin Conference Center, HMS, 77 Avenue Louis Pasteur. Register online at www.bidmc-cancer-symposium.com or call (617) 337-9501 by Oct. 8.

Harvard School of Public Health
Tue., Oct. 14—**“Pulmonary Innate Immunity in Viral Infection: Role of Macrophage Scavenger Receptor-MARCO?”** (Molecular and Integrative Physiological Sciences) Sanjukta Ghosh, HSPH. Room 1302, Building 1, HSPH, 665 Huntington Ave., 9:30 a.m.

Mon., Oct. 20—**“Prospective Student Information Session.”** (HSPH Admissions Office) Snyder Auditorium, Kresge Building, HSPH, 677 Huntington Ave., 6-8 p.m. RSVP at www.hsph.harvard.edu/meet-a-representative. More information at (617) 432-1031 or admisofc@hsph.harvard.edu.

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

humanities

Thu., Oct. 9—**“Who Is Asking? Living Words, Attentive Silence, and the Koan of Zen ‘Prayer.’”** (HDS) Steve Kanji Ruhl, Zen Buddhist minister. CSWR Common Room, 42 Francis Ave., noon. Soup provided; please bring your own beverage. (617) 384-7571, jvonwald@hds.harvard.edu.

Thu., Oct. 9—**“Good-Looking and Irresistible: The Irish Hero from Early Saga to Classical Poetry.”** (Celtic Languages and Literatures) Damian McManus, Trinity College, Dublin. Faculty Club Library, 20 Quincy St., 5 p.m. Free and open to the public. www.fas.harvard.edu/~celtic.

Thu., Oct. 9—**“The Lost World Heritage: Fragment of Wanli Kanjur from Berlin.”** (Sanskrit and Indian Studies) Agnieszka Helman-Wazny, Cornell University. Room 317, One Bow St., 5 p.m.

Thu., Oct. 9—**“American Fugue: An American Journey.”** (Seminar on Modern Greek Literature and Culture) Reading by Alexis Stamatis, author. Room 133, Barker Center, 12 Quincy St., 6:30 p.m. Free and open to the public. rapti@fas.harvard.edu.

Fri., Oct. 10—**“Dressing a Wolf in Sheep’s Clothing: The Composition of the Life of Alexander Nevskii.”** (Davis Center) Donald Ostrowski, Harvard University. Room S354, 3rd floor, CGIS, 1730 Cambridge St., 12:15 p.m. www.daviscenter.fas.harvard.edu.

Tue., Oct. 14—**“The Resurgence of Imagination.”** (CSWR) Sudhir Kakar, psychoanalyst and writer; with responses from Anne Monius, HDS; and Richard Kearney, Boston College. CSWR Common Room, 42 Francis Ave., 3:30 p.m. Free and open to the public.

Tue., Oct. 14—**“The Morris Gray Lecture: A Reading by Carl Phillips.”**

(English) Carl Phillips, poet, Washington University, St. Louis. Lecture Hall, Sackler Museum, 485 Broadway, 6 p.m. Free and open to the public. www.fas.harvard.edu/~english.

Wed., Oct. 15—**“Fortieth Anniversary Celebration of The Boston Theological Institute.”** (HDS) Daniel Aleshire, Association of Theological Schools, “The Large Hadron Collider, the BTI, and the Future of Theological Education in the 21st Century.” Sperry Room, Andover Hall, HDS, 5:45 p.m. Reception to follow in the Braun Room. (617) 384-8394, jmccullom@hds.harvard.edu.

Wed., Oct. 15—**“‘20 Questions’ with Tarun Khanna.”** (Humanities Center) “20 Questions” with Tarun Khanna. Thompson Room, Barker Center, 12 Quincy St., 6 p.m. www.fas.harvard.edu/~humcentr.

Wed., Oct. 15—**M. Victor Leventritt Lecture. “On His Work: Lyle Ashton Harris.”** (Du Bois Institute, HAM) Lyle Ashton Harris, New York University, artist. Lecture hall, Sackler Museum, 485 Broadway, 6 p.m. Free and open to the public. Reception and gallery viewing with the artist to follow at the Du Bois Institute, 104 Mt. Auburn St., 3R. (617) 495-9400, janet_sartor@harvard.edu, www.harvardartmuseum.org, www.dubois.fas.harvard.edu.

Thu., Oct. 16—**“Fictive Identities, Metaphorical Truths.”** (Philosophy) David Hills, Stanford University. Room 305, Emerson Hall, 4 p.m.

Thu., Oct. 16—**“Power in Imagery: Rethinking Narratives on Saudi Arabia.”** (WCFA, CMES) Gwenn Okruhlik, Trinity University. Bowie-Vernon Room K262, CGIS Knafel Building, 1737 Cambridge St., 4 p.m.

Thu., Oct. 16—**“The Observer Observed: Gorky and the Art of the Literary Memoir.”** (Humanities Center, Davis Center, Slavic Languages and Literatures) Donald Fanger, *emeritus*, Harvard University, in conversation with William Mills Todd III, Harvard University. Thompson Room, Barker Center, 12 Quincy St., 4:15 p.m. Open to the public. Seating is limited. Reception to follow. www.fas.harvard.edu/~humcentr.

Thu., Oct. 16—**Lauro de Bosis Lecture 1 of 3. “Reproduction/Reproduct: An Experiment in Historical Anthropology.”** (Romance Languages and Literatures, Humanities Center) Carlo Ginzburg, Scuola Normale Superiore di Pisa. Room 133, Barker Center, 12 Quincy St., 4:15 p.m. www.fas.harvard.edu/~rll.

Thu., Oct. 16—**“Important Women in Tibetan Buddhist History and Their Lineages.”** (CSWR, Harvard Buddhist Community) Lama Tsultrim Allione, Buddhist teacher and former nun; moderated by Janet Gyatso, HDS. CSWR Common Room, 42 Francis Ave., 5:15 p.m. Free and open to the public.

Fri., Oct. 17—**“American Environmental History: Sea.”** (Warren Center, HUCE) Jeffrey Bolster, University of New Hampshire; D. Graham Burnett, Princeton University; and Helen Rozwadowski, University of Connecticut. History Library, 1st floor, Robinson Hall, 2 p.m.

Fri., Oct. 17—**“The Evolution of Councils of Nobles in Silla Korea.”** (Korea Institute) Richard D. McBride II, Brigham Young University, Hawaii. Room S050, CGIS South, 1730 Cambridge St., 4 p.m.

Fri., Oct. 17—**“Lost in Learning: Where Education Meets Life’s Aspirations.”** (History of Science) Eva Timothy, photographer. Room 469, Science Center, 4:30 p.m. See also exhibitions, Three Columns Gallery. (617) 470-4789, www.lostinlearning.com.

Fri., Oct. 17—**“25 Years of Literary Creation by Tibetan Women (1983-2008): A Preliminary Inquiry Into a Hitherto Neglected Field of Literature.”** (Sanskrit and Indian Studies) Francoise Robin, Institut National des Langues et Civilisations Orientales. Room 317, One Bow St., 5 p.m.

Oct. 12



Harvard Real Estate Services presents ‘Oktoberfest 2008,’ a day of jazz and R&B performances, on Sunday (Oct. 12) at the Holyoke Center, 1350 Massachusetts Ave., noon-6 p.m., weather permitting. Featuring music by Tomás Doncker (above) and Daniel Sadownick at 3 p.m. Free and open to the public. See special events, page 23.

Sun., Oct. 19—**The Healing Art of Music Program — Part II. “Bridging the Atlantic: Artful Innovations in Cancer Care.”** (Faith & Life Forum, The Memorial Church) Lisa M. Wong, pediatrician and violinist, Longwood Symphony Orchestra. Pusey Room, the Memorial Church, 9:30 a.m. Breakfast and conversation at 9 a.m.; discussion following the program at 10:30 a.m. (617) 496-1643, daustin@fas.harvard.edu, leslie_kress@harvard.edu.

Mon., Oct. 20—**“Sweet Land of Liberty: The Forgotten Struggle for Civil Rights in the North.”** (Warren Center) Thomas Sugrue, University of Pennsylvania. History Library, 1st floor, Robinson Hall, 4 p.m.

Wed., Oct. 22—**The 2008 H.A.R. Gibb Arabic & Islamic Studies Lectures. “Moriscos in Granada: The Lead Books Affaire.”** (CMES) Mercedes García-Arenal, Centro de Ciencias Humanas y Sociales, CSIC, Madrid. Lecture 1 of 3: “The Forgeries of the Sacromonte of Granada: Authorship, Polemics, Sacred History.” Tsai Auditorium, CGIS S010, 1730 Cambridge St., 5 p.m. Reception to follow at room 102, CMES, 38 Kirkland St. <http://cmes.hmhc.harvard.edu>.

Wed., Oct. 22—**“Human Cuisine.”** (HBS, Schlesinger Library) Gary Allen, Empire State College, State University of New York. Conference room, Schlesinger Library, Radcliffe Institute, 6 p.m. Free and open to the public.

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

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

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

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

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

information technology

Wed., Oct. 15—**“Science Web 3.0 and Scientific Social Communities.”** (IIC) Tim Clark, HMS. Room 330, 60 Oxford St., 4 p.m. <http://iic.harvard.edu>.

poetry/prose

Thu., Oct. 9—**“American Fugue: An American Journey.”** (Seminar on Modern Greek Literature and Culture) Reading by Alexis Stamatis, author. Room 133, Barker Center, 12 Quincy St., 6:30 p.m. Free and open to the public. rapti@fas.harvard.edu.

Tue., Oct. 14—**“The Morris Gray Lecture: A Reading by Carl Phillips.”** (English) Carl Phillips, poet, Washington University, St. Louis. Lecture Hall, Sackler Museum, 485 Broadway, 6 p.m. Free and open to the public. www.fas.harvard.edu/~english.

Thu., Oct. 16—**“Cambridge READS.”** (Harvard Box Office) Presentation by Julia Alvarez, author of “How the Garcia Girls Lost Their Accents,” followed by Q&A session. Sanders Theatre, 7:30 p.m. Free tickets (limit four per person, valid until 7:15 p.m.) available as of Oct. 4. Harvard Box Office (617) 496-2222. Tickets also available at the Cambridge Public Main Library and Harvard Bookstore. www.cambridgereads.org.

Mon., Oct. 20—**“Thunderstruck Not Lightning-struck.”** (Radcliffe Institute) A reading by Elizabeth McCracken, independent writer, fellow, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., 3:30 p.m. (617) 495-8212, www.radcliffe.edu.

Mon., Oct. 20—**“Encounter 2008: An Evening with Yi Hye-gong and Kim Aeran.”** (Korea Institute) A reading by Korean authors. Room S250, CGIS South, 1730 Cambridge St., 4 p.m.

science

Tue., Oct. 14—**“MBB Conversations Event.”** (Mind/Brain/Behavior Interfaculty Initiative) Join MBB faculty for conversations on aesthetics, ethics, mental representation, Darwin, and the unconscious and the law. Moderated by Marc Hauser, Harvard University. Yenning Auditorium, 2 Divinity Ave., 4 p.m. Free and open to the public. <http://mbb.harvard.edu>.

Wed., Oct. 15—**“A Simpler Origin for Life.”** (Harvard Origins of Life Initiative) Robert Shapiro, New York University. Room 1068, Biological Laboratories, 16 Divinity Ave., 4 p.m. Free and open to the public.

Thu., Oct. 16—**“TBA.”** (Woodward Lectures in the Chemical Sciences, Harvard/MIT Physical Chemistry Seminar) Kurt Zilm, Yale University. Room 4-237, MIT, 5 p.m.

Thu., Oct. 16—**“Sustaining Life: How Human Health Depends on Biodiversity.”** (HMNH) Lecture and book signing by Eric Chivian and E.O. Wilson. HMNH, 26 Oxford St., 7 p.m. Free and open to the public. (617) 495-2773, www.hmnh.harvard.edu.

Thu., Oct. 16—**“Observatory Night: Measuring the Universe.”** (CfA) Mark Reid, CfA. Phillips Auditorium, CfA, 60 Garden St., 7:30 p.m. Observing through telescopes to follow (weather permitting). (617) 495-7461, www.cfa.harvard.edu.

Fri., Oct. 17—**“Functionalization of Unsaturated Organic Molecules Through Metal Catalysis: Alkenes, Arenes, and Fullerenes.”** (Merck-Banyu Lecture) Kenichiro Itami, Nagoya University. Pfizer Lecture Hall, Mallinckrodt Labs, 12 Oxford St., 4 p.m.

Sun., Oct. 19—**Family Program. “The Ingredients of Plant Collecting.”** (HMNH) Melinda Peters, HMNH. HMNH, 26 Oxford St., 2 p.m. (617) 495-2773, www.hmnh.harvard.edu.

Mon., Oct. 20—**“Bristol-Myers Squibb Lecture in Organic Synthesis.”** (Chemistry and Chemical Biology) David Corey, University of Texas Southwestern Medical Center, “New Cellular Targets for Synthetic Nucleic Acids”; and Carl DeCicco, Bristol-Myers Squibb, “Innovation in Drug Discovery.” Pfizer Lecture Hall, Mallinckrodt Labs, 12 Oxford St., 4 p.m.

Wed., Oct. 22—**“The Genetics of Species Formation.”** (Radcliffe Institute) Daven Presgraves, University of Rochester, and fellow, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., 3:30 p.m. (617) 495-8212, www.radcliffe.edu.

social sciences

Thu., Oct. 9—**“1968 Revisited: Brazilian Social Movement under the Military Dictatorship.”** (Brazil Studies Program, DRCLAS) *Conversa* with Victoria Langland, University of California, Davis, and Christopher Dunn, Tulane University; moderated by June Carolyn Erlick, DRCLAS. Room S-050, CGIS South, 1730 Cambridge St., 12:15 p.m.

Thu., Oct. 9—**“Dangerous Deterrents? Evaluating the Argument and Evidence that Nuclear Acquisition Emboldens Weak States.”** (Belfer Center’s International Security Program) Brown bag seminar with T. Negeen Pegahi, research fellow, ISP/Project on Managing the Atom. Belfer Center Library, Littauer 369, HKS, 12:15 p.m. Coffee and tea provided. <http://belfer-center.ksg.harvard.edu/events/3711/>.

Thu., Oct. 9—**“Incorporation Strategies Towards Greek Repatriate Groups in Contemporary Greece (1990-2006).”** (CES) Harris Mylonas, Harvard Academy and Georgetown University; with discussant Anna Hardman, Tufts University. Cabot Room, CES, 27 Kirkland St., 4:15 p.m. Free and open to the public. yanis.ioannides@tufts.edu.

Thu., Oct. 9—**“The Lost World Heritage: Fragment of Wanli Kanjur from Berlin.”** (Sanskrit and Indian Studies) Agnieszka Helman-Wazny, Cornell University. Room 317, One Bow St., 5 p.m.

Thu., Oct. 9—**“Religion, Race, and Gender in Presidential Politics.”** (HDS) Panelists include HDS faculty Charles Adams, Ann Braude, Anthea Butler, David Lamberth, Peter Paris, and (moderator) Ronald Thiemann. Sperry Room, Andover Hall, HDS, 5:30 p.m. Reception to follow in the Braun Room. (617) 384-8394, jmccullom@hds.harvard.edu.

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Thu., Oct. 9—**“School Violence in Spain: Why It Happens and How To Stop It.”** (Real Colegio Complutense) Rosa M. Pulido Valero, Universidad Complutense de Madrid. RCC, 26 Trowbridge St., 7:30 p.m. Free and open to the public. www.realcolegiocomplutense.harvard.edu.

Fri., Oct. 10—**“Tracks of Censorship: Preserving Marks of Suppression in Japan, 1923 to 1976.”** (Reischauer Institute) Jon Abel, Pennsylvania State University. Porté Room S250, CGIS South, 1730 Cambridge St., 4 p.m. www.fas.harvard.edu/~rijs.

Fri., Oct. 10—**“Pre-Election Forum.”** (CAPS) Panel discussion with Steven Ansolabehere, Harvard University; Thomas Edsall, Columbia University; Morris Fiorina, Stanford University; and Sunshine Hillygus, Harvard University. Room K262, CGIS Knafel Building, 1737 Cambridge St., 4 p.m. caps@gov.harvard.edu.

Tue., Oct. 14—**“The Return of the Taliban and the Future of Afghanistan.”** (Initiative on State and Society in the Islamic World, CMES, Carr Center) Ahmed Rashid, with moderator Richard Parker. Nye Room AB, Taubman Building, HKS, 11:30 a.m.

Tue., Oct. 14—**“The U.S. and Europe: Managing the Financial Crisis.”** (WCFA) Norbert Walter, Deutsche Bank Research, Frankfurt. Room S050, CGIS South, 1730 Cambridge St., noon. Free and open to the public.

Tue., Oct. 14—**“Demography and the Crisis of the Welfare State.”** (CES, USJRP) Katerina Linos, Society of Fellows, Harvard University; Liv Coleman, USJRP WCFA; with discussant Peter A. Hall, Harvard University. Bowie-Vernon Conference Room K262, CGIS Knafel Building, 1737 Cambridge St., 12:30 p.m. Free and open to the public.

Tue., Oct. 14—**“The Resurgence of Imagination.”** (CSWR) Sudhir Kakar, psychoanalyst and writer; with responses from Anne Monius, HDS; and Richard Kearney, Boston College. CSWR Common Room, 42 Francis Ave., 3:30 p.m. Free and open to the public.

Tue., Oct. 14—**“A Chronicle of My Cultural Revolution.”** (Fairbank Center) Film screening and discussion with Xu Xing, film director. Room S153, CGIS South, 1730 Cambridge St., 4 p.m.

Wed., Oct. 15—**“After Georgia and After George W. — What’s Left of ‘The West.’ Will We See Renewed Transatlantic Relations or Further Fragmentation?”** (CES) Jörg Lau, visiting scholar, CES. Cabot Room, CES, 27 Kirkland St., 12:15 p.m. Free and open to the public. art.goldhammer@gmail.com.

Wed., Oct. 15—**“Next-Generation Implications of Open Access.”** (Radcliffe Institute) Paul Ginsparg, Radcliffe Institute and Cornell University. Radcliffe Gymnasium, 10 Garden St., 3:30 p.m. Free and open to the public. (617) 495-8212, www.radcliffe.edu.

Wed., Oct. 15—**Neuhaus Memorial Lecture. “China’s Modernization: Reflections of an Historian Turned Diplomat.”** (Fairbank Center) Douglas Spelman, former U.S. consul general in Shanghai, 2002-05. Room S020, CGIS South, 1730 Cambridge St., 4 p.m.

Wed., Oct. 15—**“The Three Faces of Canadian Identity.”** (Canada Seminar, WCFA) Philip Resnick, University of British Columbia. S010, CGIS South, 1730 Cambridge St., 4 p.m. Free and open to the public. (617) 495-3671, Canada@wcfa.harvard.edu, www.wcfa.harvard.edu/seminars/canada.

Wed., Oct. 15—**“Europeanization of Turkish State Ideology: Kemalism in the 21st Century.”** (WCFA/CMES) Ali Tekin, Bilkent University and visiting scholar, CES. Room N262, CGIS Knafel Building, 1737 Cambridge St., 4:30 p.m.

Wed., Oct. 15—**“From Subprime to Prime Time — Implications of the U.S. Credit Crisis for Asia and China.”** (HKS China Caucus) Thomas Deng, Goldman Sachs, Asia. Littauer 382, HKS, 6 p.m.

Wed., Oct. 15—**“The Forest and the City: The Birth of Modern Planning in Mexico City, 1880-1940.”** (DRCLAS) Alfonso Valenzuela Aguilera, University of California, Berkeley. Room S-250, 2nd floor, CGIS South, 1730 Cambridge St., 6 p.m. karl@fas.harvard.edu, www.drclas.harvard.edu/events.

Wed., Oct. 15—**“The Opinion Makers: Lies My Pollster Told Me.”** (Cambridge Forum) David Moore, former senior editor, Gallup Poll. First Parish, 3 Church St., 7:30 p.m. Booksigning to follow. Free and open to the public.

Thu., Oct. 16—**“Twin Births, Divergent Democracies: The Social Origins of Political Parties in India and Pakistan.”** (Belfer Center’s International Security

Program) Brown bag seminar with Maya Tudor, research fellow, ISP/Intrastate Conflict Program. Belfer Center Library, Littauer 369, HKS, 12:15 p.m. Coffee and tea provided. <http://belfercenter.ksg.harvard.edu/events/3730/>.

Thu., Oct. 16—**“Islam in America.”** (CMES) Ambassador Akbar Ahmed, American University. Belfer Case Study Room S020, CGIS, 1730 Cambridge St., 12:30 p.m. Free and open to the public. <http://cmes.hmdc.harvard.edu>.

Thu., Oct. 16—**“America’s Responsible Withdrawal from Iraq.”** (WCFA) Nir Rosen, New America Foundation. Room N262, CGIS, 1737 Cambridge St., 2 p.m.

Thu., Oct. 16—**“Eliminating Disparities in Healthcare: The Role of Healthcare Professionals.”** (Radcliffe Institute) Lisa A. Cooper, Johns Hopkins Medical Institutions. Radcliffe Gymnasium, 10 Garden St., 4 p.m. Free and open to the public. (617) 495-8600, www.radcliffe.edu.

Thu., Oct. 16—**“Power in Imagery: Rethinking Narratives on Saudi Arabia.”** (WCFA, CMES) Gwenn Okruhlik, Trinity University. Bowie-Vernon Room K262, CGIS Knafel Building, 1737 Cambridge St., 4 p.m.

Thu., Oct. 16—**“New Ideas about Human Behavior in Economics and Medicine.”** (Health Care Policy) 8th Annual Marshall J. Seidman Lecture. Peter R. Orszag, director, Congressional Budget Office. Carl W. Walter Amphitheater, Testeson Medical Education Center, HMS, 260 Longwood Ave., 4:30 p.m. craw@hcp.med.harvard.edu.

Thu., Oct. 16—**“Important Women in Tibetan Buddhist History and Their Lineages.”** (CSWR, Harvard Buddhist Community) Lama Tsultrim Allione, Buddhist teacher and former nun; moderated by Janet Gyatso, HDS. CSWR Common Room, 42 Francis Ave., 5:15 p.m. Free and open to the public.

Fri., Oct. 17—**“Burma Today: Is the Ice Breaking?”** (Asia Center) Thomas Vallely, Ash Institute, HKS; David Dapice, Ash Institute, HKS, and Tufts University. Seminar room 050, concourse level, CGIS South, 1730 Cambridge St., 12:30 p.m. (617) 496-6273.

Fri., Oct. 17—**“What Are the Most Promising New Frontiers in the Study of Comparative Politics?”** (CES) Steven Levitsky, Harvard University; Torben

Iversen, Harvard University; and Melani Cammett, Brown University. Cabot Room, CES, 27 Kirkland St., 2:15 p.m. Free and open to the public. phall@fas.harvard.edu.

Fri., Oct. 17—**“Defining the ‘Greatest Problem’: Religion and State Formation in Meiji Japan.”** (Reischauer Institute) Trent Maxey, Amherst College. Porté Room S250, CGIS South, 1730 Cambridge St., 4 p.m. www.fas.harvard.edu/~rijs.

Fri., Oct. 17—**“The Evolution of Councils of Nobles in Silla Korea.”** (Korea Institute) Richard D. McBride II, Brigham Young University, Hawaii. Room S050, CGIS South, 1730 Cambridge St., 4 p.m.

Fri., Oct. 17—**“Lost in Learning: Where Education Meets Life’s Aspirations.”** (History of Science) Eva Timothy, photographer. Room 469, Science Center, 4:30 p.m. See also exhibitions, Three Columns Gallery. (617) 470-4789, www.lostinlearning.com.

Mon., Oct. 20—**“Sweet Land of Liberty: The Forgotten Struggle for Civil Rights in the North.”** (Warren Center) Thomas Sugrue, University of Pennsylvania. History Library, 1st floor, Robinson Hall, 4 p.m.

Mon., Oct. 20—**“Fatherland and Nation in ‘Istoriia Rusov’: The Interface of Early Modern and Modern Ukrainian Political Culture.”** (URI) Frank Sysyn, Canadian Institute of Ukrainian Studies, University of Alberta. Room S-050, CGIS South, 1730 Cambridge St., 4 p.m. Book party to follow. (617) 495-4053, www.huri.harvard.edu/calendar.html.

Mon., Oct. 20—**“Georgia On My Mind: Can the European Union Cope?”** (CES) Jacques Rupnik, fellow, CES, director of research, CNRS, and Jolyon Howorth, Yale University. Cabot Room, CES, 27 Kirkland St., 4:15 p.m. kkaiser@wcfa.harvard.edu, vschmidt@bu.edu.

Mon., Oct. 20—**“Confessions of an Eco-Sinner.”** (Cambridge Forum) Fred Pearce, science journalist. First Parish, 3 Church St., 7:30 p.m. Booksigning to follow. Free and open to the public.

Tue., Oct. 21—**“Empire of Promises: Constructing U.S. Colonialism in Puerto Rico.”** (DRCLAS, WCFA) Julian Go, Boston University. 1730 Cambridge St., noon. Discussion to follow. smtesor@fas.harvard.edu.

Wed., Oct. 22—**“Ethno-Racial Segregation in Paris.”** (CES) Edmond

Préteceille, visiting scholar, CES. Cabot Room, CES, 27 Kirkland St., 12:15 p.m. art.goldhammer@gmail.com.

Wed., Oct. 22—**The 2008 H.A.R. Gibb Arabic & Islamic Studies Lectures. “Moriscos in Granada: The Lead Books Affaire.”** (CMES) Mercedes García-Arenal, Centro de Ciencias Humanas y Sociales, CSIC, Madrid. Lecture 1 of 3: “The Forgeries of the Sacromonte of Granada: Authorship, Polemics, Sacred History.” Tsai Auditorium, CGIS S010, 1730 Cambridge St., 5 p.m. Reception to follow at room 102, CMES, 38 Kirkland St. <http://cmes.hmdc.harvard.edu>.

Wed., Oct. 22—**“Human Cuisine.”** (HBS, Schlesinger Library) Gary Allen, Empire State College, State University of New York. Conference room, Schlesinger Library, Radcliffe Institute, 6 p.m. Free and open to the public.

Wed., Oct. 22—**“Afterlife Marriage in Contemporary China.”** (CSWR) Ping Yao, HDS. CSWR Common Room, 42 Francis Ave., 7 p.m. Free and open to the public.

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

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

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

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



Oct. 15

‘Sketches from the Shore’ features new work by Lyle Ashton Harris inspired by his life in Ghana the past few years. The exhibit explores shifting concepts of African modernity and is on view at the Du Bois Institute through Jan. 3. Harris will deliver the M. Victor Leventritt Lecture Wednesday (Oct. 15) at the Sackler Museum, 485 Broadway, at 6 p.m. A reception and gallery viewing will follow at the Du Bois Institute, 104 Mt. Auburn St., 3R. See exhibitions, page 19, and lectures, page 20, for details.

and open to the public. (617) 496-1027, www.peabody.harvard.edu.

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

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

classes etc.

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

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

■ **Free walking tours:** Come and explore the collections on a free guided tour led by knowledgeable volunteer docents on select Wednesdays, Saturdays, and Sundays through November. Times vary. All tours begin in front of the Hunnewell Building Visitor Center, 125 Arborway, and last approximately 60-90 minutes. No registration necessary. (617) 524-1718, www.arboretum.harvard.edu/visitors/tours.html.

■ **Classes and special events**
Sat., Sept. 27, and Sat., Oct. 18—**“Propagating Trees and Shrubs from Cuttings and Seeds.”** Jack Alexander, Arnold Arboretum. 9 a.m.-4 p.m. Fee: \$215 general; \$180 member.

Sun., Oct. 19—**“Take a Hike!”** With Nancy Sableski, Arnold Arboretum. 1:30-3:30 p.m. Appropriate for children ages 6-12 with an accompanying adult. Bring water and a snack and wear sneakers or hiking boots. Free, no registration necessary.

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

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

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

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

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

■ Wed., Nov. 5—**“Picture Perfect:**

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

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

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

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

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

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

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

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

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

■ Wed., Oct. 22—**“Designing Reliable On-Screen Presentations.”** Countway Library 424, HMS, noon. Free and open to Harvard employees and HMS affiliates. No registration necessary.

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

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

■ **Volunteer opportunity**
HMNH seeks volunteers who are enthusiastic about natural history and would enjoy sharing that excitement with adults and children. No special qualifications required. Training is provided. Just one morning or afternoon per week or weekend required. More info: volunteers@oeb.harvard.edu.

■ **Ongoing programs**
Discovery Stations in “Arthropods:

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

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

■ **Special events**
Thu., Oct. 16—**“Sustaining Life:**

How Human Health Depends on Biodiversity.” Lecture and book signing by Eric Chivian and E.O. Wilson. HMNH, 26 Oxford St., 7 p.m. Free and open to the public. (617) 495-2773.

Sun., Oct. 19—**Family Program. “The Ingredients of Plant Collecting.”** Melinda Peters, HMNH. HMNH, 26 Oxford St., 2 p.m. (617) 495-2773.

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

■ Thu., Oct. 2, 9, 16—**“Following Your Inner Path to Joy.”** Three workshop sessions by Sarah Dornin, 5:30-7 p.m. Pre-register by Sept. 30 to neighbors@harvard.edu.

■ Fri., Oct. 17—**“Easy As Pie!”** Learn how to make the perfect pie, noon-1:30 p.m. Fee: \$5. Limited to 12; registration required to neighbors@harvard.edu.

■ Sun., Oct. 19—**“Visit the Mega Maze.”** 10 a.m.-3 p.m. Bus trip to Davis Farmland in Sterling, Mass. Best for children ages 6 and older. Fee: \$10 per person approximately. Registration and pre-payment required to neighbors@harvard.edu.

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

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

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

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

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

■ **Fall/winter registration is open:** Classes began Sept. 8 for fall semester and will begin Nov. 6 for winter semester. Winter early registration deadline is Oct. 10. Registration is first-come, first-served.

■ Thu., Oct. 16—**“Yesterday Design/Build School: Design Build Class with Kyle Bergman.”** Landscape Institute, 6 p.m.; reception at 5:30 p.m. Open to the public. Limited seating; RSVP to landscape@arnarb.harvard.edu by Oct. 10.

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

Mather House Pottery Class began Tue., Sept. 30, and will meet weekly on Tuesdays, 7-9 p.m. in the Mather House Pottery Studio. The 10-session course is designed for all levels of experience, taught by Pamela Gorgone. Fee: \$65 Harvard affiliates; \$55 Mather residents. The fee includes the Tuesday night classes, all clay and glazes, and access to the studio. (617) 495-4834.

Office for the Arts offers several extracurricular classes designed to enhance the undergraduate experience.

(617) 495-8676, ofa@fas.harvard.edu, www.harvard.edu/ofa.

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

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.

■ **Fall Term 2008** courses, visiting artist master classes, and firing workshops began the week of Sept. 22. Registration forms and course information are available at www.fas.harvard.edu/ceramics.

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

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

■ Wed., Oct. 15—**“New Faculty Housing Option: University Residential Communities.”** Paul Gray, former president, MIT; Steve Faber, Beal Companies; and Nora Moran, University Residential Communities. Pre-register at barbara_wolf@hms.harvard.edu.

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

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

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@hulmail.harvard.edu, <http://hul.harvard.edu/rmo>.

computer

The **Center for Workplace Development** offers computer-training classes that are open to the Harvard community and affiliates. Classes range from introductory workshops to all levels of word processing, spreadsheets, databases, desktop publishing, and Web development. To learn more, go to <http://harvie.harvard.edu/learning/cwd> or contact CWD at (617) 495-4895 or training@harvard.edu.

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

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

special events

Fri., Oct. 10-Sat., Oct. 11—**“An Evening With Champions.”** (Eliot House) World and Olympic figure skating champions join local skaters. Bright Hockey Center,

79 North Harvard St., 8 p.m. on Friday and 7 p.m. on Saturday. Tickets are \$32 general; \$28 Harvard affiliates; \$12 senior citizens/children 12 and under; \$8 college students. All proceeds go to the Jimmy Fund of Dana-Farber Cancer Institute. Parking available at the Harvard Business School lot. Harvard Box Office (617) 496-2222. <http://www.aneveningwithchampions.org>.

Sun., Oct. 12—**“Oktoberfest 2008.”** (Harvard Real Estate Services) A day of jazz and R&B performances. Forbes Plaza, Holyoke Center, 1350 Massachusetts Ave., noon-6 p.m., weather permitting. Noon: Hot Tamale Brass Band; 1 p.m.: Malcolm Campbell Quartet; 2 p.m.: Harvard Jazz Collective; 3 p.m.: Tomás Doncker and Daniel Sadownick; and 4 p.m.: 6 Figures. Free and open to the public.

Mon., Oct. 13—**“Behind the Scenes: Zooarchaeology Lab Open House.”** (Peabody Museum) Using skeletons of modern animals, zooarchaeologists demonstrate what bones tell us. Bring bones from your back yard to be identified. Peabody Museum, 11 Divinity Ave., noon-4:30 p.m. Free and open to the public. (617) 495-8317, www.peabody.harvard.edu.

Thu., Oct. 16—**“Cambridge READS.”** (Harvard Box Office) Presentation by Julia Alvarez, author of “How the Garcia Girls Lost Their Accents,” followed by Q&A session. Sanders Theatre, 7:30 p.m. Free tickets (limit four per person, valid until 7:15 p.m.) available as of Oct. 4. Harvard Box Office (617) 496-2222. Tickets also available at the Cambridge Public Main Library and Harvard Bookstore. www.cambridgereads.org.

Wed., Oct. 29—**“An Evening with Bebe Neuwirth.”** (Learning from Performers, Harvard Dance Program, OfA) Bebe Neuwirth, actor, dancer, vocalist. Hosted and moderated by Leslie Woodies, Harvard Dance Program. New College Theatre, 10-12 Holyoke St., 8 p.m. Tickets are free but required (limit two per person, valid until 7:45 p.m.). Tickets are available as of Oct. 7 through the Harvard Box Office (617) 496-2222. A limited number of free tickets may be available at the door one hour prior to event start time. (617) 495-8676, ofa@fas.harvard.edu, www.fas.harvard.edu/ofa.

fitness

Harvard Wellness Programs
For a recorded listing of programs, (617) 495-1771.

For a registration form, (617) 495-9629, www.huhs.harvard.edu.

Massage Therapy, 1-Hour Appointments
One-hour appointments with Licensed Massage Therapists

Mondays-Fridays, afternoon and evening appointments, limited morning appointments
Saturdays, morning, afternoon, and evening appointments
Sundays, morning and afternoon appointments
75 Mt. Auburn St., HUHS
Call (617) 495-9629 to arrange
Fee is \$60/hr; \$40/hr for HUGHP members

Massage Therapy, 1/2-Hour Appointments
1/2-hour appointments with Licensed Massage Therapists
Wednesdays and Thursdays, 9 a.m.-noon
75 Mt. Auburn St., 2E, HUHS
Call (617) 495-9629 to arrange
Fee is \$37/half-hr; \$25/half-hr for HUGHP members

Lunchtime Massage Therapy Break at HUHS
Ten-minute appointments with Licensed Massage Therapists
Mondays, noon-2 p.m. at the HUHS Pharmacy in Holyoke Center
Wednesdays, 11 a.m.-2 p.m. at CWHC, 2E, HUHS
Thursdays, 5:30-7:30 p.m. at Hemenway Gym
Fridays from 11 a.m.-2 p.m. at the HUHS Pharmacy in Holyoke Center

(Continued on next page)

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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 (clinician clearance required)
Fee is \$75/hr; \$40/hr for HUGHP members

Tobacco Cessation Classes are offered weekly at the Dana-Farber Cancer Institute, dates and times may vary. Fee: \$10 per class, and nicotine patches are available at a discounted rate. (617) 632-2099.

Weight Watchers at Work classes are available. (617) 495-9629.

Weight Watchers at Work at HDS classes are available Fridays, 10-10:45 a.m. in the CSWR conference room, 42 Francis Ave. There will be an information and registration meeting Fri., Sept. 26. (617) 495-4513.

religion

The Memorial Church
Harvard Yard (617) 495-5508
www.memorialchurch.harvard.edu
Handicapped accessible

Sunday Services

During the academic year, Sunday services are broadcast on Harvard's radio station, WHRB 95.3 FM. For those outside the Cambridge area, WHRB provides live Internet streaming from its Web site at www.whrb.org. Services take place at 11 a.m.

Oct. 12—The Rev. Jonathan C. Page, Epps Fellow in the Memorial Church
Oct. 19—The Rev. Peter J. Gomes, Plummer Professor of Christian Morals and Pusey Minister in the Memorial Church

Morning Prayers

A service of Morning Prayers has been held daily at Harvard since its founding in 1636, and continues to be held in Appleton Chapel from 8:45-9 a.m., Mon.-Sat. A brief address is given by members and friends of the University, with music provided by the Choral Fellows of the Harvard University Choir. On Saturdays, the music is provided by soloists, small ensembles, or instrumentalists. This service, designed to enable students and faculty to attend 9 a.m. classes, is open to all.

Thu., Oct. 9—Heidi Eunjip Kim '09, Harvard College
Fri., Oct. 10—Elizabeth McKeigue, research librarian and liaison to the Departments of Celtic, Germanic, and Slavic Languages and Literatures,

Harvard University
Sat., Oct. 11—Edward E. Jones, Gund University Organist and Choirmaster, the Memorial Church, curator of the University organs
Mon., Oct. 13—No service
Tue., Oct. 14—Jonathan M. Roberts '09, senior choir secretary, Harvard University Choir

Wed., Oct. 15—Van Tran, Ph.D. candidate, HKS
Thu., Oct. 16—Leslie E. Eckel, Suffolk University
Fri., Oct. 17—Cynthia W. Rossano, editor

Sat., Oct. 18—The Rev. Jonathan C. Page, Epps Fellow in the Memorial Church
Mon., Oct. 20—Jorge I. Dominguez, professor, Department of Government, vice provost for international affairs, Office of the Provost, Harvard University
Tue., Oct. 21—Arville Stephen, clinical director, Trinity Boston Counseling Center, Trinity Church, Boston
Wed., Oct. 22—Susan N. Hoadley, architect, Shepley Bulfinch, Boston
Thu., Oct. 23—Christie McDonald, professor, Harvard University

Special events

■ Thu., Oct. 9—**"Vocations Dinner."** All undergraduates considering a career in ministry are invited to a dinner with the Rev. Professor Peter Gomes. The Memorial Church, 7:30 p.m. RSVP to jonathan_page@harvard.edu.

Faith & Life Forum

Forums take place in the Pusey Room, the Memorial Church, at 9:30 a.m. Breakfast and conversation at 9 a.m.; discussion following the program at 10:30 a.m. until the 11 a.m. worship service. (617) 496-1643, daustin@fas.harvard.edu, leslie_kress@harvard.edu.

■ Sun., Oct. 19—**The Healing Art of Music Program — Part II. "Bridging the Atlantic: Artful Innovations in Cancer Care."** Lisa M. Wong, pediatrician and violinist, Longwood Symphony Orchestra.

Undergraduate Retreat

Fall retreat to Duxbury, Mass., for a 24-hour spiritual getaway with prayer, small group worship, discussion, and games. E-mail jonathan_page@harvard.edu for details.

■ Fri., Oct. 24-Sat., Oct. 25

Compline

The ancient service of Compline is held one Thursday a month during term. Based upon the traditional evening liturgy of scripture, music, prayers, and silence, this twenty-minute service is sung in the candlelit space of Appleton Chapel by members of the Harvard University Choir. All are welcome.

■ Thu., Nov. 6, Dec. 4, and Jan. 8 at 10 p.m.

Sunday Night Student Service

All undergraduate and graduate students are welcome to attend a worship service every Sunday night at 9 p.m. in Appleton Chapel with the Rev. Jonathan C. Page. The service lasts 45 minutes and includes weekly Eucharist, singing, and student participation. Students are encouraged to come dressed as they are and are invited to remain for food and fellowship. E-mail jonathan_page@harvard.edu for details.

Wednesday Tea

On Wednesdays during Term, Professor Gomes welcomes undergraduates, graduate students, and visiting scholars to afternoon tea from 5-6 p.m. at his residence, Sparks House, 21 Kirkland St., across from Memorial Hall.

Undergraduate Fellowship

An opportunity for students to meet, enjoy food, and discuss faith. Meetings take place Wednesdays at 9:30 p.m. in the Buttrick Room, Memorial Church. E-mail jonathan_page@harvard.edu for details.

Graduate Fellowship

A new fellowship group for graduate students with discussions, food, contemplative worship, and more. Meetings take place Thursdays at 7 p.m. E-mail robbfirstpres@gmail.com for details.

Berkland Baptist Church

99 Brattle St., Harvard Sq. (617) 828-2262, dancho@post.harvard.edu

■ Sunday School: Sun., 12:15 p.m.
■ Worship Service: Sun., 1 p.m.
Berkland Baptist Church is a community of faith, primarily comprised of young Asian American students and professionals.

Cambridge Forum

The First Parish in Cambridge, Unitarian Universalist, 3 Church St., (617) 495-2727, www.cambridgeforum.org.

Christian Science Organization meets in the Phillips Brooks House every Tue. at 7 p.m. for religious readings and testimonies. (617) 876-7843.

The Church at the Gate

Sunday services: 4 p.m.
www.thechurchatthegate.com
The Church at the Gate will see people of all nations transformed by faith in Jesus Christ as we love and serve God and people in the strategic context of the city and the university.

The Church of Jesus Christ of Latter-day Saints

2 Longfellow Park (located at about 100 Brattle St.)
Sunday Worship Services: 9:30 a.m., 11:30 a.m., 2 p.m., 3:50 p.m.
All are welcome. The congregations that meet at these times are composed of young, single students and professionals. For information on family congregation meeting places and times, or for information on other classes and events, e-mail ldsbostoninstitute@yahoo.com.

Congregation Ruach Israel

A Messianic Jewish Synagogue
754 Greendale Ave., Needham, MA
Shabbat services, Saturday morning at 10 a.m.
Call (781) 449-6264 or visit www.ruachisrael.org for more information. Rides from Harvard Square available upon request.

Divinity School Chapel

45 Francis Ave. (617) 495-5778
Services are held during the fall and spring terms only.
■ HDS Wednesday Noon Service: 12:10 p.m. (617) 384-7571, jvonwald@hds.harvard.edu
■ HDS Thursday Morning Eucharist: 8:30-9 a.m.

■ Thu., Oct. 9—"Who Is Asking? Living Words, Attentive Silence, and the Koan of Zen 'Prayer.'" Steve Kanji Ruhl, Zen Buddhist minister. CSWR Common Room, 42 Francis Ave., noon. Soup provided; please bring your own beverage. (617) 384-7571, jvonwald@hds.harvard.edu.

Dzogchen Center Cambridge meets every Monday evening at 7:30 p.m. for Tibetan Buddhist Dzogchen practice at Cambridge Friends Meeting House, Longfellow Park, off Brattle St. (718) 665-6325, www.dzogchen.org/cambridge.

Episcopal Divinity School "Introductory Meditation Classes: Finding Peace in a Busy World."

Introduction to basic Buddhist philosophy and meditation. Each class includes a brief talk, guided meditation, and time for questions. Taught by Gen Kelsang Choma, American Kadampa Buddhist nun, resident teacher of Serlingpa Meditation Center. Burnham Chapel, Episcopal Divinity School, 99 Brattle St., 10:30 a.m.-noon. \$10 suggested donation. epc@serlingpa.org, www.MeditationinBoston.org.

First Baptist Church in Newton

848 Beacon St.
Newton Centre, MA 02459
(617) 244-2997
www.fbcnewton.org
Sunday worship at 10:30 a.m.; Sunday School at 9:30 a.m.
Corner of Beacon and Centre streets, accessible via MBTA's D Line, two blocks from the Newton Centre stop.

First Reformed Presbyterian Church of Cambridge (RPCNA)

53 Antrim St.
Cambridge, MA 02139
(617) 864-3185
www.reformedprescambridge.com
Sunday worship at 11 a.m. and 6 p.m. Christian counseling available by appointment.

First United Presbyterian Church (PCUSA)

1418 Cambridge St.
Inman Square
(617) 354-3151
www.cambridgepres.com
Sunday Worship at 10 a.m.
Weekly small group for young adults; palliikk@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 (Cambridge Foursquare Church)

holds a Sunday evening service at 7 p.m. Washburn Hall, Episcopal Divinity School, 99 Brattle St. (617) 233-9671, graces-treet.org.

Harvard Buddhist Community Chaplain Lama Migmar Tseten

offers teachings and meditation sessions at the Sakya Institute for Buddhist Studies, 59 Church St., Unit 3, Harvard Square. (617) 256-3904, migtse@earthlink.net, www.sakya.net.

■ Sundays: "In-Depth Teachings on the Four Noble Truths," 10 a.m.-noon.

■ Tuesdays: Mind training course, "Seven Points of Mind Training," 6-7 p.m. (practice), 7:30-9 p.m. (class).

■ Fridays: "Uttaratantra," 6-7 p.m. (practice), 7:30-9 p.m. (class).

■ Sundays, Sept. 21-Oct. 19: Meditation training course, level I, "Instruction and Practice of the Nine Stages of Shamatha Meditation," 1:30-3 p.m.

Harvard Unitarian Universalist Ministry for Students

Weekly worship: Fridays at 12:15 p.m. Services are held during the fall and spring terms only.

The first Friday of the month meet in Emerson Chapel, Divinity Hall. The remaining Fridays meet in Andover Chapel, Andover Hall. All are welcome. http://groups.yahoo.com/group/huums/.

Hope Fellowship Church

holds worship service Sundays at 9 a.m. and 11 a.m., 16 Beech St. (617) 868-3261, www.hopefellowshipchurch.org.

Old South Church, United Church of Christ, Congregational

Copley Square, (617) 425-5145, helen@oldsouth.org
■ Sundays: 9 a.m. early service; 11 a.m. sanctuary service with organ and choir
■ Thursdays: Jazz worship service at 6 p.m.

St. Mary Orthodox Church

8 Inman St., Cambridge
(617) 547-1234
http://www.stmaryorthodoxchurch.org/
■ Sunday Orthros: 8:45 a.m.
■ Sunday Divine Liturgy: 10 a.m.
■ Great Vespers: Saturdays at 5 p.m.

St. James Episcopal Church

1991 Massachusetts Ave. (2 blocks beyond Porter Square T station)
www.stjames-cambridge.org
Sunday services at 8 a.m. (Rite 1) and 10:30 a.m. (Rite 2)
A musically vibrant, eucharist-centered, welcoming, and diverse congregation.

Unity Center Cambridge

Sunday services: 11 a.m. (meditation at 10:30 a.m.)
Morse School Theater, 40 Granite St., Cambridgeport (accessible by red line, green line and buses), www.unitycambridge.org
Unity Center Cambridge is a new spiritual community that emphasizes practical teachings and integrates wisdom across a range of spiritual traditions. All are welcome.

Unity Church of God

6 William St., Somerville, 3 blocks up College Ave. from Davis Sq., (617) 623-1212, www.unitychurchofgod.org
■ Sunday services: 11 a.m.
■ Monday: Prayer group at 7 p.m.
■ Tuesday: Support group at 7 p.m.
■ Alternate Fridays: Movie viewings at 7 p.m.

Vineyard Christian Fellowship of Cambridge

holds service Sundays at 170 Rindge Ave. in North Cambridge, walking distance from Davis and Porter Squares. Service times are 9 a.m. — with corresponding kids church — and 11 a.m. shuttle service currently picks up students at 8:25 a.m. for the 9 a.m. service, and 10.25 a.m. for the 11 a.m. service, at Harvard Square (in front of the Holyoke Center, at 1250 Mass. Ave., next to the cab stand). Senior pastor, Dave Schmelzer. (617) 252-0005, www.cambridgevineyard.org.

WomenChurch

, an imaginative community for women, meets the first Thursday of each month (during the fall and spring terms only) at 7 p.m. in Andover Chapel at HDS on Francis Ave. All women are welcome. E-mail mfurness@hds.harvard.edu for information.

United Ministry

The following churches and organizations are affiliated with the United Ministry and offer worship and social services. Call for details.

Anglican/Episcopal Chaplaincy at Harvard

2 Garden St. (617) 495-4340 episcopal_chaplaincy@harvard.edu
Eucharist Sundays at 5 p.m. at the Christ Church Chapel (behind the church at Zero Garden St.), followed by fellowship supper at 6 p.m. in the Chaplaincy Common Room. Episcopal Students at Harvard: www.hcs.harvard.edu/~esh/ for an updated list of student activities and events. A ministry of the Episcopal Diocese of Massachusetts and the worldwide Anglican Communion.

Christ the King Presbyterian Church

99 Prospect St. Cambridge, Mass. Sundays: Services in English at 10:30 a.m. and in Brazilian Portuguese at 6 p.m. (617) 354-8341, office@ctkcambridge.org, www.ctkcambridge.org

Harvard Bahá'í Student Association

bahai@hcs.harvard.edu
All events are open to the public. Please write to bahai@hcs.harvard.edu for more information, or subscribe to our announcement list at http://lists.hcs.harvard.edu/mailman/listinfo/bahai-list.

Harvard-Epworth United Methodist Church

1555 Massachusetts Ave. Cambridge, Mass. (617) 354-0837
www.harvard-epworth.org
■ Communion service: 9 a.m.
■ Christian education hour for all ages: 10 a.m.
■ Worship service: 11 a.m.

Harvard Hindu Fellowship Meditation Group

is led by Swami Tyagananda, Harvard Hindu chaplain from the Ramakrishna Vedanta Society. Meets Mondays, 7-8 p.m., in the Mather House Tranquility Room. Swami_tyagananda@harvard.edu.

Harvard Islamic Society

Harvard Islamic Society Office. (617) 496-8084
www.digitas.harvard.edu/~his
Five daily prayers held in the basement of 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.

H-R Asian Baptist Student Koinonia

Friday Night Bible study: Boylston Hall 105, 7 p.m., every Friday. Join us as we continue our study of the Gospel of Matthew this year. Frosh Mid-Week at Loker 031, 7:30-8:30 p.m., every Wednesday, Freshmen only. iskandar@fas.harvard.edu, www.hcs.harvard.edu/~absk.

H-R Catholic Student Center

Saint Paul Church, 29 Mt. Auburn St.

Student Mass: Sun., 5 p.m., Lower Church.

Harvard Hillel

52 Mt. Auburn St. (617) 495-4696
www.hillel.harvard.edu

- Reform Minyan: Fri., 5:30 p.m.
- Orthodox Minyan: daily, 7:30 a.m. and 15 minutes before sundown; Sat., 9 a.m. and 1 hour before sundown
- Conservative Minyan: Mon. and Thu., 8:45 a.m.; Fri., 5:45 p.m.; Sat., 9:30 a.m., 1:45 p.m., and 45 minutes after sundown.
- Worship and Study Minyan (Conservative): Sat., 9:30 a.m.

H-R Humanist Chaplaincy

Monthly Meeting: One Sunday of every month, Hall A, Science Center, 1 Oxford St., 2 p.m. (617) 495-5529.

Cambridge Friends Meeting meets for worship Sundays at 10:30 a.m. and 5 p.m., Wednesdays at 8:30 a.m., 5 Longfellow Park, off Brattle St. (617) 876-6883.

Cambridgeport Baptist Church (corner of Magazine St. and Putnam Ave., 10-minute walk from Central Square T stop) Sunday morning worship service at 10 a.m. Home fellowships meet throughout the week. (617) 576-6779, www.cambridgeportbaptist.org.

First Church in Cambridge (United Church of Christ) holds a traditional worship service Sundays at 11 a.m. and an alternative jazz service Sunday afternoons at 5:30 p.m. Located at 11 Garden St. (617) 547-2724.

Lutheran — University Lutheran Church

66 Winthrop St., at the corner of Dunster and Winthrop streets, holds Sunday worship at 10 a.m. through Labor Day weekend and 9 and 11 a.m. Sept. 10-May, with child care provided. UniLu Shelter: (617) 547-2841. Church and Student Center: (617) 876-3256, www.unilu.org.

Old Cambridge Baptist Church, 1151 Mass. Ave. and 400 Harvard St. (behind the Barker Center and the Inn at Harvard), holds Sunday morning worship at 10:30 a.m. Please join this inclusive, progressive congregation in the American Baptist tradition. www.oldcambridgebaptist.org, (617) 864-8068.

Swedenborg Chapel: Church of the New Jerusalem

(617) 864-4552, http://swedenborgchapel.org/
Located at the corner of Quincy St. and Kirkland St.
■ Bible Study, Sundays at 10 a.m.
■ Services, Sundays at 11 a.m.
■ Community Dinner, Thursdays at 6 p.m.
■ Swedenborg Reading Group, Thursdays at 7 p.m.

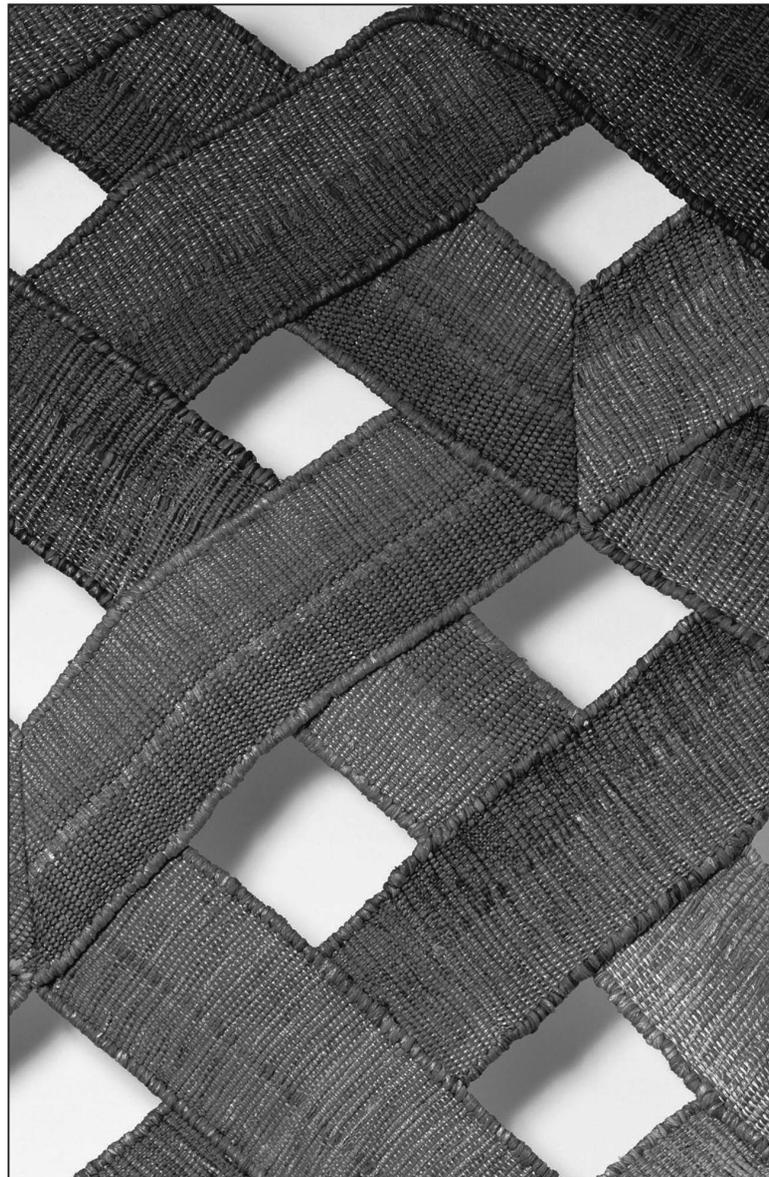
Cambridgeport Baptist Church, (617) 576-6779
Christ Church, (617) 876-0200
Episcopal Chaplaincy, (617) 495-4340
First Parish in Cambridge, Unitarian Universalist, (617) 495-2727
Harvard-Epworth United Methodist Church, (617) 354-0837
Old Cambridge Baptist Church, (617) 864-8068
St. Paul Church, (617) 491-8400
Swedenborg Chapel, (617) 864-4552
The Memorial Church, (617) 495-5508

support/social

Support and Social groups are listed as space permits.

The **Berkman Center for Internet and Society Thursday Meetings @ Berman**, a group of blogging enthusiasts and people interested in Internet technology, meets at the Berkman Center on the second floor of 23 Everett St., Cambridge, on Thursday evenings at 7 p.m. People of all experience levels and those who would like to learn more about weblogs, XML feeds, aggregators, wikis, and related technology and their impact on society are welcome. http://blogs.law.harvard.edu/thursdaymeetings/.

The **COACH Program** seeks Harvard college and graduate students to serve as "college coaches" in the Boston Public Schools to assist young people in apply-



ing to college and developing plans for after high school. COACH is looking for applicants interested in spending about three hours per week working with high school juniors and seniors in West Roxbury. Interested students should call (917) 257-6876 or e-mail asamuels@law.harvard.edu.

Harvard's EAP (Employee Assistance Program) provides free, confidential assessment and referral services and short-term counseling to help you work through life's challenges. Harvard faculty, staff, retirees, and their household members can access the following services throughout the U.S. and Canada 24 hours a day, 7 days a week: confidential assessment, information, referral; consultation to supervisors around employee well-being, behavior, or performance; individual and group support around a workplace crisis, serious illness, or death; and on-site seminars. In addition, Harvard's EAP can help with workplace conflicts, personal and family relationships, eldercare planning, legal consultations, financial counseling and planning, sexual harassment, workplace and domestic violence, alcohol and drug use, and more. To schedule an appointment near your office or home, call the EAP's toll-free number at **1-EAP-HARV (1-877-327-4278)**. Counselors are available to answer your calls from 8:30 a.m. to 7 p.m. Monday through Thursday, and from 8:30 a.m. to 5 p.m. on Friday; urgent calls will be answered by crisis clinicians round the clock. You may also visit www.wellnessworklife.com for further information and access to other resources available to you as a Harvard employee (there is a one-time confidential registration process; please visit www.harvie.harvard.edu for login instructions).

Harvard Lesbian/Bisexual/Transgender/Queer Women's Lunch is a chance for lesbian/bi/trans/queer women staff and faculty at Harvard to meet informally for lunch and conversation. Meetings take place 12:30-1:30 p.m. in the graduate student lounge on the 2nd floor of Dudley House. You can bring lunch or buy at Dudley House. E-mail ochs@fas.harvard.edu, dmorley@fas.harvard.edu, or linda_schneider@harvard.edu for more information.

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

Harvard Student Resources, a division of Harvard Student Agencies, employs a work force of more than 300 students to provide temporary clerical work, housecleaning, tutoring, research, moving, and other help at reasonable rates. **HSA Cleaners**, the student-run dry cleaning division of Harvard Student Agencies, offers 15 percent off cleaning and alterations for Harvard employees. (617) 495-3033, www.hsa.net.

Harvard Student Spouses and Partners Association (HSSPA) Spouses Support Group is a social group where you can meet other spouses who might help you to get used to your new situation as a spouse or partner at Harvard University. Our support group meets weekly all year long. Please e-mail spousesupport@gmail.com for location and time of meetings and check www.hsspa.harvard.edu for events.

Harvard Toastmasters Club helps you improve your public speaking skills in a relaxed environment. For Harvard students from all Schools and programs. Meetings are Tuesdays, 7-8 p.m., in the Center for Public Leadership, Taubman Building, HKS. jkhartshome@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.

Through Nov. 14

'Tapestry in Architecture: Creating Human Spaces' features work by artist Mitsuko Asakura, well-known for her innovative combination of Japanese traditional dyeing and weaving with the techniques of Western tapestry. The exhibit is on display through Nov. 14 at the Japan Friends of Harvard Concourse, CGIS South Building, 1730 Cambridge St. Hours are Mon.-Fri., 8 a.m.-8 p.m. Visit www.fas.harvard.edu/~rijs for more information.

LifeRaft is an ongoing drop-in support group where people can talk about their own or others' life-threatening illness, or about their grief and bereavement. Life Raft is open to anyone connected with the Harvard Community: students, faculty, staff, retirees, and families. Life Raft is free and confidential and meets on Wednesdays, noon-2 p.m. in the Board of Ministry Conference Room on the ground floor of the Memorial Church. Come for 10 minutes or 2 hours. (617) 495-2042, bgilmore@uhs.harvard.edu.

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 perspective. 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.

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

studies

Studies are listed as space permits.

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

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

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

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

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

Depression Study: Researchers seek women ages 18-55 with depression and insomnia for medication study. Receive up to \$600. Call (617) 789-2165 or e-mail bostondepression@gmail.com and refer to "Lunesta study."

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

Opportunities



Job listings posted as of October 9, 2008

Harvard is not a single place, but a large and varied community. It is comprised of many different schools, departments and offices, each with its own mission, character and environment. Harvard is also an employer of varied locations.

Harvard is strongly committed to its policy of equal opportunity and affirmative action. Employment and advancement are based on merit and ability without regard to race, color, creed, sex, sexual orientation, disability, national origin or status as a disabled or Vietnam-era veteran.

How to Apply:

To apply for an advertised position and/or for more information on these and other listings, please visit our Web site at <http://www.employment.harvard.edu> to upload your resume and cover letter.

Explanation of Job Grades:

Most positions at Harvard are assigned to a job grade (listed below with each posting) based on a number of factors including the position's duties and responsibilities as well as required skills and knowledge.

The salary ranges for each job grade are available at <http://www.employment.harvard.edu>. Target hiring rates will fall within these ranges. These salary ranges are for full-time positions and are adjusted for part-time positions. Services & Trades positions are not assigned grade levels. The relevant union contract determines salary levels for these positions.

Other Opportunities:

All non-faculty job openings currently available at the University are listed on the Web at <http://www.employment.harvard.edu>.

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

Postdoctoral Fellow in Population Economics) Req. 35415, Gr. 000
Harvard School of Public Health/Global Health and Population
FT (10/2/2008)
Clinical Fellow Req. 35388, Gr. 090
Harvard Law School/Harvard Legal Aid Bureau
FT (10/2/2008)

Alumni Affairs and Development

Associate Director of Major Gifts Req. 35325, Gr. 059
JFK School of Government/External Affairs
FT (9/25/2008)
Associate Director Req. 35438, Gr. 058
Alumni Affairs and Development/Harvard College Fund
FT, SIC, (10/2/2008)
Associate Director of Leadership Gifts Req. 35430, Gr. 058
Harvard Law School/Development and Alumni Relations
FT (10/2/2008)
Associate Director of Leadership Gifts Req. 35431, Gr. 058
Harvard Law School/Development and Alumni Relations
FT (10/2/2008)
Assistant Director, Harvard Varsity Club Req. 35475, Gr. 056
Faculty of Arts and Sciences/Athletics
FT (10/9/2008)
Associate Director, Harvard Law School Fund Req. 35477, Gr. 057
Harvard Law School/Development and Alumni Affairs
FT (10/9/2008)
Director, HGSE Annual Fund Req. 35378, Gr. 057
Graduate School of Education/Development & Alumni Relations
FT (10/2/2008)

Communications

Assistant Director/Project Manager Req. 35371, Gr. 057
Harvard Business School/Marketing and Communications
FT (10/2/2008)

Dining & Hospitality Services

Kitchenperson/Chef's Helper/Potwasher/Laundryperson Combo Req. 35497, Gr. 012
Dining Services/Adams
Union: HEREIU Local 26, PT (10/9/2008)
General Service-Kitchen person/Potwasher/Chef Helper Req. 35485, Gr. 010
Dining Services/Quincy
Union: HEREIU Local 26, PT (10/9/2008)
Kitchenperson/Chef's Helper/Potwasher/Laundryperson Combo Req. 35495, Gr. 012
Dining Services/Annenberg
Union: HEREIU Local 26, FT (10/9/2008)
Saladperson/Checker Req. 35357, Gr. 013
Dining Services/Hillel Dining Hall
Union: HEREIU Local 26, PT (10/2/2008)
General Service - Kitchenperson/Potwasher/Chef Helper Req. 35486, Gr. 010
Dining Services/Quincy
Union: HEREIU Local 26, PT (10/9/2008)
Chef/Production Manager Req. 35471, Gr. 056
Dining Services/Dining Services
FT (10/9/2008)
Assistant Cook/General Service Req. 35490, Gr. 016
Dining Services/Lowell/Winthrop

Union: HEREIU Local 26, FT (10/9/2008)
General Services Req. 35492, Gr. 010
Dining Services/Dunster/Mather
Union: HEREIU Local 26, FT (10/9/2008)
Kitchenperson/Chef's Helper/Potwasher/Laundryperson Combo Req. 35493, Gr. 012
Dining Services/Dunster/Mather
Union: HEREIU Local 26, FT (10/9/2008)
General Services Req. 35487, Gr. 010
Dining Services/Quincy
Union: HEREIU Local 26, PT (10/9/2008)
General Services Req. 35489, Gr. 010
Dining Services/Lowell/Winthrop
Union: HEREIU Local 26, PT (10/9/2008)
General Services Req. 35494, Gr. 010
Dining Services/Cabot/Pforzheimer
Union: HEREIU Local 26, PT (10/9/2008)
General Services Req. 35496, Gr. 010
Dining Services/Annenberg
Union: HEREIU Local 26, PT (10/9/2008)
Assistant Cook/General Cook Req. 35498, Gr. 016
Dining Services/Lowell/Winthrop
Union: HEREIU Local 26, FT (10/9/2008)
General Services Req. 35488, Gr. 010
Dining Services/Lowell/Winthrop
Union: HEREIU Local 26, PT (10/9/2008)
General Services Req. 35491, Gr. 010
Dining Services/Leverett
Union: HEREIU Local 26, PT (10/9/2008)

Facilities

Electrician Req. 35510, Gr. 029
University Operations Services/Facilities Maintenance Ops
Union: ATC/IBEW Local 103, FT (10/9/2008)
Assistant Program Controls Manager Req. 35368, Gr. 057
University Administration/Allston Development Group
FT (10/2/2008)

Faculty & Student Services

Assistant Director, Career Services Req. 35411, Gr. 058
Harvard Business School/MBA Program
FT (10/2/2008)
Assistant Dean for Social Science Req. 35443, Gr. 060
Faculty of Arts and Sciences/Office of the Dean of Social Science
FT (10/2/2008)

Finance

Financial Analyst Req. 35474, Gr. 056
University Administration/Interfaculty Initiatives, Shared Services Team
FT (10/9/2008)
Senior Financial Analyst, Financial Planning Req. 35389, Gr. 058
Faculty of Arts and Sciences/FAS Office of Finance
FT (10/2/2008)
Director of Budget and Financial Analysis Req. 35387, Gr. 060
Harvard Medical School/Financial Operations & Analysis
FT (10/2/2008)
Associate Director, Gift Funds Management, Communication and Outreach Req. 35342, Gr. 058
Alumni Affairs and Development/Recording Secretary's Office
FT, SIC, (9/25/2008)
Financial Manager Req. 35450, Gr. 056
JFK School of Government/Mossavar-Rahmani Center for Business & Government

FT, SIC, (10/9/2008)
Senior Financial Reporting Analyst Req. 35469, Gr. 058
Faculty of Arts and Sciences/FAS Office of Finance
FT, SIC, (10/9/2008)

General Administration

Assistant Director Req. 35435, Gr. 057
Faculty of Arts and Sciences/Harvard Foundation
FT (10/2/2008)
Program Administrator Req. 35299, Gr. 056
Harvard School of Public Health/GHP-Program on Humanitarian Policy and Conflict Research
FT (9/25/2008)
Special Initiatives Program Manager Req. 35337, Gr. 057
Faculty of Arts and Sciences/Social Sciences Division
FT, SIC, (9/25/2008)
Senior Project Manager/Mass Atrocity Response Operations Project Req. 35446, Gr. 057
JFK School of Government/Carr Center
FT (10/2/2008)
Program Director (EdLabs NYC) Req. 35527, Gr. 058
Faculty of Arts and Sciences/Institute for Quantitative Social Science/Education Innovation Laboratory
FT (10/9/2008)
Director of Animal Biological Safety Laboratory Level 3 ABSL Req. 35453, Gr. 058
Harvard School of Public Health/Immunology and Infectious Diseases
FT, SIC, (10/9/2008)
Assistant Director, Fundraiser and User Support Req. 35380, Gr. 057
Alumni Affairs and Development
FT, SIC, (10/2/2008)
Administrative Director for Neuroimaging Req. 35419, Gr. 057
Faculty of Arts and Sciences/Center for Brain Science
FT (10/2/2008)

Health Care

Physical Therapist - Out Patient Req. 35427, Gr. 056
University Health Services/UHS-Physical Therapy
FT (10/2/2008)

Human Resources

Associate Dean for Human Resources Req. 35410, Gr. 063
University Administration/Office of Human Resources
FT (10/2/2008)
Human Resources Consultant Req. 35421, Gr. 057
Financial Administration/Financial Administration Human Resources
FT (10/2/2008)
Director of Human Resource Services Req. 35436, Gr. 060
Harvard College Library/Office of the Librarian
FT (10/2/2008)
Quality Assurance Analyst Req. 35521, Gr. 056
Faculty of Arts and Sciences/Registrar/FAS
FT (10/9/2008)

Information Technology

Systems Administrator Req. 35417, Gr. 057
Faculty of Arts and Sciences/FAS IT
FT (10/2/2008)
Senior SharePoint Developer Req. 35437, Gr. 058
University Information Systems/Central Administration AAD
FT (10/2/2008)
Business Systems Analyst (PeopleSoft) (Systems Operations Analyst) Req. 35511, Gr. 057
Financial Administration/FAD Systems Solutions
FT (10/9/2008)
Senior Software Engineer Req. 35518, Gr. 058

Faculty of Arts and Sciences/Registrar
FT (10/9/2008)
Senior Business Systems Analyst Req. 35519, Gr. 058
Faculty of Arts and Sciences/Registrar's Office
FT (10/9/2008)
Assistant Director, Data Management and Reporting Req. 35379, Gr. 057
Alumni Affairs and Development/Alumni Affairs and Development
FT, SIC, (10/2/2008)
Senior Software Engineer Req. 35520, Gr. 058
Faculty of Arts and Sciences/Registrar
FT (10/9/2008)
Jr. Systems Administrator Req. 35374, Gr. 056
Faculty of Arts and Sciences/FAS IT
FT (10/2/2008)
Senior Web & Applications Programmer Analyst Req. 35507, Gr. 058
School of Engineering & Applied Sciences/IT
FT (10/9/2008)
Sr. Software Developer Req. 35416, Gr. 058
Faculty of Arts and Sciences/FAS IT
FT (10/2/2008)
Project Manager Req. 35381, Gr. 056
Alumni Affairs and Development/Alumni Affairs and Development
FT, SIC, (10/2/2008)

Library

Systems Librarian (III) Req. 35397, Gr. 057
Harvard University Library/OIS
FT (10/2/2008)
E-Resources Coordinator for the Social Sciences Req. 35344, Gr. 057
Harvard College Library/Collection Development
PT (9/25/2008)
Technical Services Librarian for the Lamont Unit of CSS Req. 35369, Gr. 058
Harvard College Library/HCL Technical Services
FT (10/2/2008)

Museum

Curator Req. 35433, Gr. 056
Faculty of Arts and Sciences/Davis Center for Russian and Eurasian Studies
FT (10/2/2008)

Research

Animal Quarters Assistant Supervisor Req. 35326, Gr. 053
Harvard Medical School/Center for Animal Resources
(9/25/2008)
Sponsored Research Manager (Senior Grant Manager) Req. 35385, Gr. 056
Harvard School of Public Health/Immunology & Infectious Diseases
FT (10/2/2008)
Statistical Programmer/Data Analyst Req. 35306, Gr. 056
Harvard Medical School/Health Care Policy
FT (9/25/2008)
Mellon Research Fellow, Conservation Science Req. 35525, Gr. 090
Art Museums/HUAM Conservation
FT (10/9/2008)

Technical

Senior Electrical Engineer Req. 35311, Gr. 059
University Operations Services/Engineering & Utilities
FT (9/25/2008)
Health & Safety Officer Req. 35350, Gr. 057
University Operations Services/Environmental Health & Safety
FT (9/25/2008)

Opera

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art form,” he said, recalling his fascination with “The Birth of Tragedy from the Spirit of Music,” the work by German philosopher Friedrich Nietzsche that examines the conflict between reason and passion.

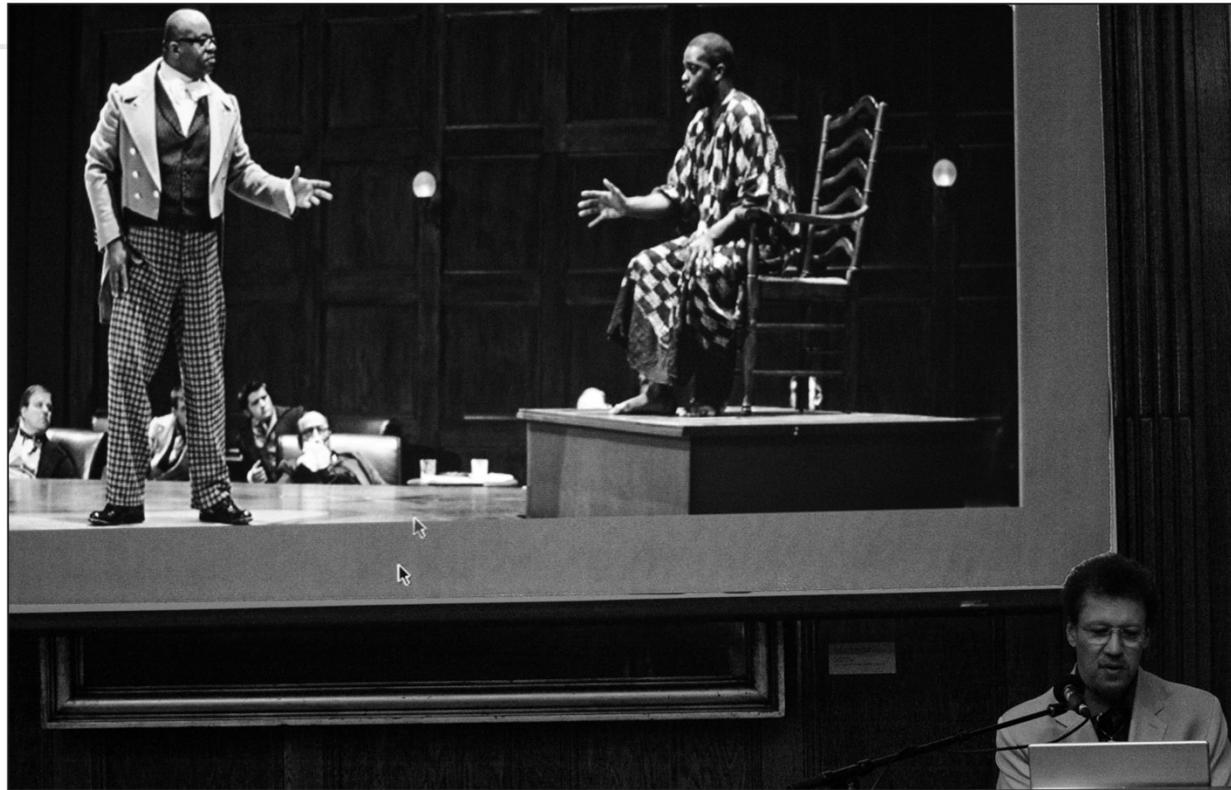
“He discussed the dichotomy between the Apollonian and the Dionysian through an understanding of art as form and structure or [in contrast] as art in the spirit of revolution — the irrational and passionate aspect of artistic expression,” said Davis, adding, “It became apparent to me that this dialectic in music was best represented in American music, a music rooted in European and the African, a music formal yet improvisational. It was obvious to me that jazz embodied this dialectic of form and real time inspiration.”

Davis’ true introduction to opera came in a classical music course in college, where he was “force-fed” the work of Richard Wagner. As a joke, he let his subversive tendencies take hold, and wrote an operatic jazz suite based on the feminist science fiction work, “The Left Hand of Darkness,” complete with his own leitmotifs, a type of recurring musical theme Wagner is well-known for employing throughout his operas.

“Turning Wagner upside down,” said Davis, set the stage for how he would redefine opera.

“[I liked] the idea of a subversive reworking of a lot of the stuff, a lot of the ideas, to suit my own purpose. ... I began to work in this idea of rhythm as structure and, in my operas particularly ... on the interaction of rhythmic material as a basic building block of an opera.”

The subjects of his works are often emo-



Kris Snibbe/Harvard News Office

Davis (left) on his work: ‘[I liked] the idea of a subversive reworking of a lot of the stuff, a lot of the ideas, to suit my own purpose.’

tionally charged — and that’s how it should be — noted the composer, whose first opera, “X: The Life and Times of Malcolm X,” premiered with the New York City Opera in 1986.

“Why wouldn’t someone do an opera about Malcolm X?” he asked, answering his own question: “It’s operatic; it’s an operatic story; it’s about transformation, ... [about] someone who went into the fire.”

Another technique in Davis’ operas is his use of the trickster, a troublemaking character in folk tales around the world, one who is usually central to the plot of a story and instrumental to how the story unfolds. In his opera “Amistad,” the tale of the 1839 mutiny

aboard a ship of slaves bound for America, a god who narrates much of the action and has a hand in the fate of the characters on stage embodies the trickster.

Using this trickster god, said Davis, who can transcend time and place, allows the story to cast a light on both history and the present day.

“It’s always about this idea of retelling, how history can be used to address where we are now, who we are. ... Also, the trickster can draw upon this whole jazz world that I inhabit. ... So I can introduce this kind of rhythm, this kind of beat, because basically the trickster is able to tell and recast this story and think of history as a creative act.”

Davis’ operatic works often include sections of improvisation for the musicians. Frequently, he incorporates his own players and soloists into the orchestra, and he casts singers who are equally versed in opera and jazz, enabling them to combine their varied training and repertoire to create something totally new.

“It’s about looking at this material as transforming material,” said Davis. “Things that make music completely different than what it could have been, things that influence each other ... to evolve a different kind of music.”

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Previn



Kirkland House music tutor Chia-Jung Tsay (above from left), Alex Shiozaki '09, and Katie Austin '09 listen with pleasure as Previn (above right) reminisces.

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With humorous anecdotes, Previn recounted much of his own career and the varied musical lessons that shaped him as an artist. Any opportunity to play or conduct or compose, he said, no matter how small, was important.

One memorable moment came while he was improvising the background piano music at a silent movie theater. During one film, he played a “maniacal ‘Tiger Rag’” to accompany a Roaring ’20s scene on the screen. Later he saw the manager charging down the aisle in a state “beyond fury.” Not bothering to look back at the screen, Previn hadn’t noticed that the action had switched to biblical times.

“I was playing ‘Tiger Rag’ during the crucifixion. ... Even that taught me something; ... [any musical experience] helps, anything,” he said.

His experience in Hollywood composing music for films also taught him much. While the music wasn’t always of the highest quality, the

musicians he worked with were, noted the composer, and his music was played almost immediately after it was written.

“We didn’t know if the music was going to be second-rate, third-rate, or 10th-rate, but it was going to be played, and if you sit there as a relative beginner, ... [you] say, ‘Well, I like that. I’m going to do that again,’ ... or, ‘That didn’t work at all; I’m never going to do that again’ ... If you hear it, it stays in your head and you register it.”

One of Previn’s greatest lessons as a conductor concerned trusting the orchestra, and came from an early instructor. The man attended a performance Previn conducted and afterwards asked him if he thought the orchestra had played well. When Previn answered, “Yes,” his teacher responded, “So did I. Next time, don’t interfere.”

The teacher’s other great advice, said Previn, was the notion that it’s easy to make an orchestra play, but “difficult to make them want to.”

Previn, almost 80, has amassed a trail of hon-

ors and accomplishments during his long career including four Academy Awards, five Grammys, a Kennedy Center Lifetime Achievement Award, and a knighthood, to name a few. He is honest and up front and ready to admit that he has written many things he’d just as soon forget. But there are many pieces that he likes, too. And a life surrounded by music, he told the crowd gathered at Harvard, has been a rewarding one.

“I would hate to say I am a conductor, full stop; I am a pianist, full stop; I am a composer, full stop. But one thing I know is that I am a musician, and that is the best cloak in the world. I can’t think of anything I’d rather do than be a musician.”

Nico Olarte-Hayes ’11, the cellist who performed with the Brahms trio, was honored to play for the music legend.

“He’s done everything,” Olarte-Hayes said. “It’s great to learn from the best.”

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Photos: Stephanie Mitchell/Harvard News Office

Wilson

William Julius Wilson: '... for some young men, the draw of the street is so powerful they cannot avail themselves of legitimate employment opportunities when they become available.'



Photos Stephanie Mitchell/Harvard News Office

Upcoming Du Bois Institute events

Oct. 15: Du Bois Institute colloquium: Panel discussion (Thompson Room, Barker Center) noon to 2 p.m. 'The Testimonios Afropuertorriquenos/Afro Puerto Rican Testimonies: An Oral History Project In Western Puerto Rico.' For details, www.fas.harvard.edu/~du_bois/.

Oct. 21-23: Alain LeRoy Locke Lectures: Deborah Willis, New York University (Thompson Room, Barker Center) 4-7 p.m. 'Concepts of Beauty.' Lectures include: 'Body Image in Black Culture,' 'Posing Beauty in African American Culture,' and 'Visualizing Black Culture.' Reception to follow.

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son outlined how cultural norms of life in an unsafe neighborhood — avoiding eye contact, mistrusting neighbors, and demanding respect — could be construed as anti-social behavior in another setting, such as a job interview.

"Note that the same culture frames in the inner city have not only been shaped by race and poverty but have, in turn, shaped the responses to poverty," he said.

force behavior as well as create social relationships. "Informal rules actually govern what appears on the surface to be random underground activity," he said.

Respect is a key element of these "rules of the street." Researchers find "that for some young men, the draw of the street is so powerful they cannot avail themselves of legitimate employment opportunities when they become available," Wilson said.

But although Wilson argues that cultural patterns should be considered, he maintains that more weight should be given to the structures created by racism, which, while clearly diminished in the United States, still lingers in the form of "laissez-faire" racism, "a perception that blacks are responsible for their own economic predicament."

The long-term impact of poverty is pernicious; Wilson cited a seven-year study of 750 Chicago-area children, age 6 to 12, that found that the verbal skills of children of poor families still remain low compared with children of the more well-to-do, even when poor families moved to safer, more affluent neighborhoods.

"Culture matters, but I would say it doesn't matter as much as social structure," he said. "Structure trumps culture."

Wilson also quoted at length from the March speech on race given by Democratic presidential candidate Barack Obama, saying his frank discussion "provides a model of what I had in mind."

During the lively and frequently passionate question-and-answer period that followed Wilson's talk, Henry Louis Gates Jr., Alphonse Fletcher University Professor, spoke of the influence of culture in his life.

"Our mothers believe in culture," Gates said, explaining how his mother told him and his brother that they could do anything that they set their minds to do. "My brother and I were hypnotized by that."

Gates asked Wilson what he would suggest if a President Obama were to ask him, "What do I do first?"

"The first thing you do is put [racial issues] on the table as an important policy agenda," Wilson responded. Pressed for specifics, he said, "Public education is where I would start."

Bennett Boskey Professor of Law Lani Guinier insisted that poor black communities should not be viewed as isolated from general pop culture and indeed, maybe suffer from "some of the worst elements of American culture."

The far-reaching discussion also touched on concerns about the decreasing economic status of middle-class blacks and the need for social agency like the Civil Rights Movement of the early 1960s, which energized black churches. Orlando Patterson, the John Cowles Professor of Sociology, spoke about the need for engagement, saying, "At some point we have to show how we are going to get the horse to drink."



Wilson cited studies that find that informal codes regulate the inner city's underground economy and that such "codes of shady dealing" rein-



Henry Louis Gates Jr. (above left) and Vera Grant introduce Wilson. Orlando Patterson (left) speaks about the need for engagement with young people in the community, saying, 'At some point we have to show how we are going to get the horse to drink.'