

Inside & ONLINE



Old Sol's new use

Fourteen solar arrays grace the rooftops of two HRES buildings just east of the Yard.

Page 7



Bearing witness

At the Science Center, a Jehovah's Witness, the oldest survivor of the Holocaust, speaks.

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Arts First!

'Rapper' Schmil Schmapollo was only one of the colorful participants in Arts First.

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Multimedia



Congo terror

Violence against women is a feature of Congo unrest. Story, this page

Additional stories and multimedia, www.news.harvard.edu/hwm/congo/

Rebecca E. Rollins/Harvard News Office



Looking horror in the face

HHI researchers don't flinch in examination of Congo rape crisis

This is one in an occasional series of articles examining the international work of Harvard faculty and researchers. It is part of a multimedia project available on the Harvard World Media Web site.

By Alvin Powell
Harvard News Office

Imani was just 15 when soldiers from the rebel group Interahamwe found her on the road in a remote region in the eastern Democratic Republic of the Congo (DRC).

The rape that followed devastated her, but in this troubled corner of the world, the sexual assault of a teenage girl by armed

men is hardly unusual.

The eastern DRC has been swept up in a maelstrom of violence against women that has swirled for more than a decade. An outgrowth of the armed strife that, since 1996, has involved a bewildering array of actors, from national armies to rebel groups to homegrown militias, the region's sexual violence ranks among the worst in the world, going beyond that which often accompanies war, experts say.

The rapes are epidemic and horrific in their details. Women are gangraped in public, taken into sexual slavery, and violated with guns, knives, bottles, and sticks. They are sometimes mutilated, with limbs

chopped off by machetes, or raped while husbands and children are killed, houses razed, and crops burned.

Through the efforts of the Harvard Humanitarian Initiative (HHI), researchers and physicians from Harvard and its affiliated hospitals are at work in the midst of the crisis, providing care for the women whose bodies are fractured by their experiences, reviewing the records of thousands of sexual assault victims, and conducting focus group interviews with members of the community.

(See **Congo**, page 16)

Justin Ide/Harvard News Office



At Panzi Hospital outside of Bukavu, HHI researcher Jocelyn Kelly (center, facing camera) listens as Congolese women discuss sexual violence.

Life in the universe? Almost certainly. Intelligence? Maybe not

By Alvin Powell
Harvard News Office

We are likely not alone in the universe, though it may feel like it, since life on other planets is probably dominated by microbes or other non-speaking creatures, according to scientists who gave their take on extraterrestrial life at Harvard last week.

Speakers Friday morning (May 1) reviewed how life on Earth arose and the many, sometimes improbable steps it took to create intelligence here. Radio astronomer Gerrit Ver-

schuur said he believes that though there is very likely life out there — perhaps a lot of it — it is very unlikely to be both intelligent and able to communicate with us.

Verschuur presented his take on the Drake equation, formulated by astronomer Francis Drake in 1960, that provides a means for calculating the number of intelligent civilizations that it is possible for humans to make contact with.

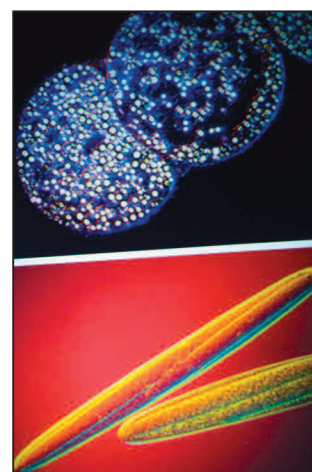
The equation relates those chances to the rate of star and habitable planet formation. It includes the rate at which life arises on such planets and

develops intelligence, technology, and interplanetary communication skills. Finally, it factors in the lifetime of such a civilization.

Using Drake's equation, Verschuur calculated there may be just one other technological civilization capable of communicating with humans in the whole group of galaxies that include our Milky Way — a vanishingly small

(See **Planets**, page 18)

For most of its history, Earth's life has been single-celled, such as the bacteria *Thiomargarita* (top right) and *Euplopsium*.



Stephanie Mitchell/Harvard News Office

This month in
Harvard history

May 12, 1638 — By order of the Great and General Court, “Newe-towne” is renamed “Cambridge” (Cambridge).

May 1638 — The College Yard expands as the Town of Cambridge grants the College a lot of land that today includes Harvard, Hollis, Stoughton, and Holworthy halls.

May 1855 — Led by Charles W. Eliot (Harvard’s future 21st President) and Edward H. Ammidown, a Harvard Club of Boston is formed. It goes bankrupt in 1857, however, and a Boston club does not reemerge until 1908.

May 30, 1901 — Memorial Day. “The Harvard Lampoon” distributes its first parody of “The Harvard Crimson” (which never publishes on Memorial Day).

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

Harvard prepares for
NEASC reaccreditation

As part of the University’s 10-year reaccreditation by the New England Association of Schools and Colleges (NEASC), the University is preparing a self-study report addressing NEASC’s 11 standards (chapters) for accreditation. These standards each focus on a particular dimension of the University, ranging from academics and the libraries to governance and finance.

Because most of Harvard’s graduate and professional Schools are separately accredited, standards concerning the Academic Program (4), Faculty (5), and Students (6) focus on the Faculty of Arts and Sciences (FAS) and the College. These sections reflect feedback from a variety of FAS committees, including the Educational Policy Committee (EPC), Committee on Undergraduate Education (CUE), Undergraduate Council (UC), Committee on House Life (CHL), Committee on College Life (CCL), and Faculty Council.

The draft of the self-study, now online until June 30, is available at <http://accreditation.harvard.edu> (use your Harvard University ID number and PIN to log in). The University invites all members of the Harvard community to submit comments, questions, or other feedback to accreditation@harvard.edu.

MEMORIAL SERVICE

Marshall service May 15

A memorial service for Martin V. Marshall, professor emeritus at Harvard Business School (HBS), will be held on May 15 at 2 p.m. in the Class of 1959 Chapel on the HBS campus. Marshall passed away on Feb. 16 at the age of 86. An expert on marketing and advertising, Marshall also played a prominent role in the creation of the School’s Owner/President Management Program for entrepreneurs.

A reception following the service will take place in the Williams Room in the Spangler Center, and parking will be available in the HBS lot. For more information, e-mail Jim Aisner in the HBS Communications Office at jaisner@hbs.edu, or call (617) 495-6157.

Longfellow flowers



Rose Lincoln/Harvard News Office

Spring blooms beautifully all over campus, including at an artfully arched door at HGSE’s Longfellow Hall.

COMMENCEMENT

A special notice regarding
Commencement Exercises

Morning Exercises

To accommodate the increasing number of those wishing to attend Harvard’s Commencement Exercises, the following guidelines are proposed to facilitate admission into Tercentenary Theatre on Commencement Morning (June 4):

Degree candidates will receive a limited number of tickets to Commencement. Parents and guests of degree candidates must have tickets, which they will be required to show at the gates in order to enter Tercentenary Theatre. Seating capacity is limited, however there is standing room on the Widener steps and at the rear and sides of the theater for viewing the exercises.

Note: A ticket allows admission into Tercentenary Theatre, but does not guarantee a seat. The sale of Commencement tickets is prohibited.

Alumni/ae attending their major reunions (25th, 35th, 50th) will receive tickets at their reunions. Alumni/ae in classes beyond the 50th may obtain tickets from the Classes and Reunions Office, 124 Mt.

Auburn St., sixth floor, Cambridge, MA 02138.

For alumni/ae from nonmajor reunion years and their spouses, there is televised viewing of the Morning Exercises in the Science Center, and at designated locations in most of the undergraduate Houses and graduate and professional Schools. These locations provide ample seating, and tickets are not required.

A very limited supply of tickets will be made available to all other alumni/ae on a first-come, first-served basis through the Harvard Alumni Association, 124 Mt. Auburn St., sixth floor, Cambridge, MA 02138.

Afternoon Exercises

The Annual Business Meeting of the Harvard Alumni Association convenes in Tercentenary Theatre on Commencement afternoon. All alumni and alumnae, faculty, students, parents, and guests are invited to attend and hear Harvard’s president and the Commencement speaker deliver their addresses. Tickets for the afternoon ceremony will be available through the Harvard Alumni Association, 124 Mt. Auburn St., sixth floor, Cambridge, MA 02138.

— Jacqueline A. O’Neill
University Marshal

POLICE REPORTS

Following are some of the incidents reported to the Harvard University Police Department (HUPD) for the week ending May 4. The official log is located at 1033 Massachusetts Ave., sixth floor, and is available online at www.hupd.harvard.edu/.

April 30: At Hamilton Hall, an officer was dispatched to take a report of stolen audio equipment. An officer was dispatched to Gund Hall to a report of an individual urinating on the Swedenborg Chapel. The officer conducted a field interview, checked the individual for warrants with negative results, and sent them on their way. At Massachusetts Avenue and Dunster Street, an officer observed an individual known to them with a warrant and placed the individual under arrest.

May 1: An officer assisted the Cambridge Police Department (CPD) with a fire in the mulch at Massachusetts Avenue and Mt. Auburn Street. The fire was extinguished. An officer was dispatched to Widener Library to a report of a disturbance where two individuals were involved in a verbal argument. The

officer was informed that one of the individual’s book and notes were stolen. At the Kennedy School Littauer Building, officers were dispatched to take a report of an unwanted guest in the building. Officers located the individual, who was checked for warrants with negative results and sent on their way with a trespass warning for all Harvard University property.

May 2: At the Memorial Church, an officer reported a large group on the stairs of the building yelling. An officer reported that one individual was yelling at the top of the stairs and two individuals were holding bottles of alcohol. The officer spoke to two individuals who stated the incident was a prank. The officer confiscated the alcohol and sent the individuals on their way. At Adams House, \$65 in cash was stolen. An officer was dispatched to 10 Dewolfe St. to take a report of an unwanted guest in the building. Officers located the individual, issued them a trespass warning for all Harvard University property, and sent them on their way.

May 3: At 1124 Massachusetts Ave., a

Harvard University Police Department officer assisted the CPD with a report of two individuals fighting. Upon arrival the officers were informed that an individual struck another individual because they would not let them into their residence. The officer reported that the individual did not want to press charges against the other. At Lowell House, an officer observed an individual running on top of the roof of a vehicle, which sustained dents and scratches. The officer spoke to the individual who apologized. At Gordon Track, an officer was dispatched to take a report of a driver’s side window that was broken by a rock. At Eliot House, an officer was dispatched to take a report of a sudden death.

May 4: An officer was dispatched to Leverett House to take a report of a stolen camcorder. At 1 Trowbridge St. officers observed an individual with two bicycles behaving suspiciously. Officers conducted a field interview, checked the individual for warrants with negative results, and sent them on their way.

Since April 30, six bicycles and five laptops have been reported stolen.



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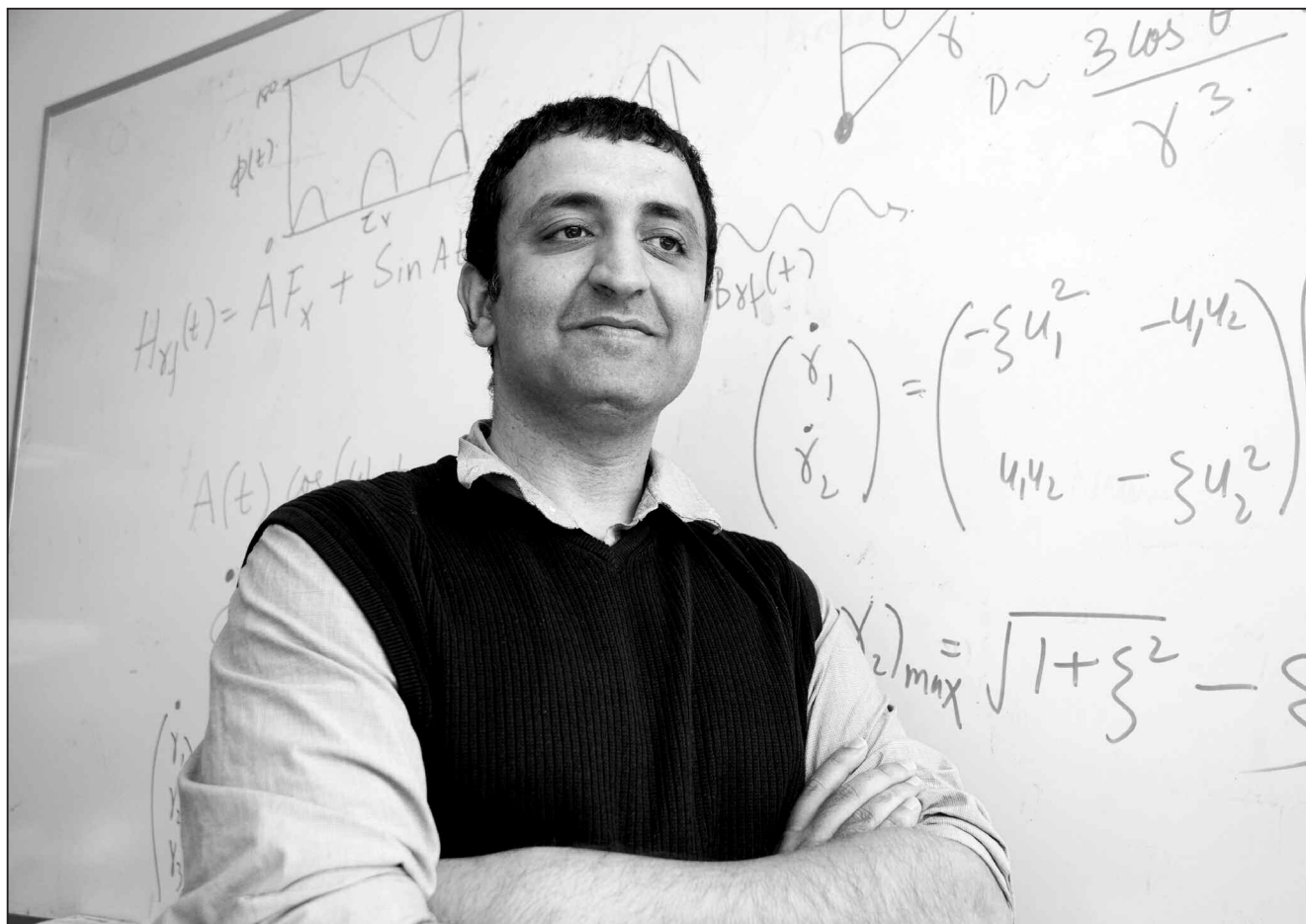
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*Khaneja devises new pulse probes
for details about molecules*

Molecular secrets in atomic nuclei



Jon Chase/Harvard News Office

Navin Khaneja of the School of Engineering and Applied Sciences conducts research into the field of control theory, which uses mathematical models to examine the relationship between inputs and outputs of different systems.

By Alvin Powell
Harvard News Office

For Navin Khaneja, spinning nuclei are like atomic spies. With a little coaxing, they will tell the secrets of the molecules in which they sit.

Khaneja, the Gordon McKay Professor of Electrical Engineering at the School of Engineering and Applied Sciences, conducts research into the field of control theory, which uses mathematical models to examine the relationship between inputs and outputs of different systems.

faculty profile

His current work focuses on nuclear magnetic resonance (NMR) spectroscopy, a technique that is used by chemists to understand the properties of molecules. As a mathematician and an engineer, Khaneja is working on new dynamical equations and novel ways to control their evolution that can guide the use of spectroscopy to understand molecular structure.

NMR spectroscopy depends on the fact that many atomic nuclei have a spin and an internal magnetism that responds to magnetic fields. Using strong magnetic fields and radio waves that function as probes, researchers poke at the nuclei and observe what happens.

NMR spectroscopists carefully observe the response of the nuclei when they're probed, comparing them to other nuclei at different locations on the molecule. They look for variations that will reveal things about where the atom is located and which nearby atoms might be influencing its behavior. Much of Khaneja's work today focuses on further development of these techniques, making them more accurate, sensitive, and ro-

bust to experimental errors.

Gerhard Wagner, Elkan Blout Professor of Biological Chemistry and Molecular Pharmacology at Harvard Medical School, is a frequent collaborator with Khaneja. Wagner's research group runs a nuclear magnetic resonance laboratory and works with Khaneja to fine-tune the radio frequency pulses that probe the nuclei. The sequences devised by Khaneja can vary the frequency, phase, length, bandwidth, and amplitude of the pulses.

"There is a myriad of different pulse sequences. The common pulse sequences are designed according to basic physical principles and are used for our experiments to determine protein structures," Wagner said. "However, there are good reasons to believe that more sophisticated pulse sequences could enhance the performance quite significantly. This cannot be done by intuition anymore, and a more systematic approach is desirable. This is where Navin comes in."

Another of Khaneja's research projects involves design of waveforms and pulse sequences for radar.

"By processing the returns from a diverse set of transmitted waveforms, it is possible to better estimate the position and velocity of moving targets. It is another example where intelligent probing is important," Khaneja said.

Khaneja grew up in Faridabad, India, a town south of New Delhi. His father was an engineer at the local power generating station, and Khaneja still remembers visiting the plant and seeing the generators, boilers, and other components.

"From very early on, I decided I wanted to do engineering," Khaneja said.

He studied at the Indian Institute of Technology in Kanpur, a school modeled

on the Massachusetts Institute of Technology. After graduating with a bachelor's degree in electrical engineering in 1994, he studied at Washington University in St. Louis, earning master's degrees in mathematics and electrical engineering. It was there that he began working on control theory problems — trying to decipher the elements of vision to be applied in "seeing" computers.

He did his doctoral work at Harvard, earning a degree in applied mathematics in 2000. One section of his dissertation dealt with optimal control.

After graduating, he went to Dartmouth College, where he was an assistant professor of mathematics for a year. He joined Harvard's faculty in July 2001 as an assistant professor of electrical engineering, was promoted to associate professor in 2005, and was named Gordon McKay Professor of Electrical Engineering in July 2008.

Khaneja teaches one class per semester. In the fall, it is a graduate course on control theory, and in the spring it is on probability and random processes. His classes, he said, help keep him grounded in the mainstream of the control theory community, since his research is quite specialized. One thing he likes about the control problems in spectroscopy is that at its more basic level it's very accessible to students.

Khaneja said he thinks each year that he may finish his work on NMR spectroscopy, but he keeps finding new problems to solve.

"I'm doing this and at the same time learning it, which keeps it very interesting," Khaneja said.

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File Justin Ide/Harvard News Office
**Longtime Harvard benefactor
David Rockefeller '36**

Rockefeller grants open up world for undergrads

Nearly 500 Harvard undergraduates will learn about other cultures by participating in high-quality international experiences this summer, thanks to the generosity of David Rockefeller, longtime University benefactor and member of the Harvard College Class of 1936.

Students from the classes of 2009 through 2012 will pursue a range of international interests, including study for credit, internships, service, work, and research. In April 2008, Rockefeller pledged \$100 million to dramatically increase learning opportunities for Harvard undergraduates through international experiences and participation in the arts.

"Our understanding of the world and the very foundations of our societies are shifting rapidly and perhaps permanently," Rockefeller said. "I believe that we need to invest in our best institutions so that they can train the young women and men who will address the economic, political, and environmental needs of this new world in which we find ourselves. I am thrilled that my gift is being used to educate future generations to be responsible, global citizens."

David Rockefeller International Experience Grants for the summer of 2009 have been awarded to undergraduates who will be traveling to every region of the globe. From neurobiological research in Paris to archaeology in Peru to teaching life skills through soccer in Africa, student projects span the humanities, social sciences, and life sciences.

"David's international experience during his Harvard undergraduate years enhanced what he was studying, but it also transcended the classroom and the curriculum in ways that shaped his outlook on the world and shaped his life choices. It seems entirely fitting that David's remarkable gift will ensure that all undergraduates, regardless of financial means, will have the opportunity to follow David's example and to become citizens of the world," said Drew Faust, president of Harvard University and Lincoln Professor of History.

(See **Rockefeller**, next page)

Mark Kisin joins Harvard as professor of mathematics

By Steve Bradt
FAS Communications

Mark Kisin, one of the world's most promising young number theorists, has been named professor of mathematics in Harvard University's Faculty of Arts and Sciences (FAS), effective July 1.

Kisin, 37, is currently professor of mathematics at the University of Chicago, where he has taught since 2003.

"Professor Kisin's work is influential and wide-ranging," says Jeremy Bloxham, dean of science in FAS. "He is an excellent expositor of mathematics and an energetic and talented teacher, highly committed to both undergraduate and graduate education. All our mathematics students will benefit from his instruction and guidance."

Kisin has worked in several areas of algebraic number theory and arithmetic algebraic geometry. His most celebrated contributions have come in p -adic representations of p -adic Galois groups and p -adic cohomology. One of the leading researchers in this field, he has introduced to p -adic representations new and powerful ideas from algebraic geometry.

Kisin has also led in developing the technical machinery underlying many recent advances in modularity, a field of study central to many areas of mathematics over the past 40 years. His appointment enhances Harvard's leadership in number theory, a discipline encompassing a broad swath of modern mathematics.

Born in Lithuania and raised in Australia, Kisin received his B.Sc. from Monash University in Australia in 1991 and his M.Sc. and Ph.D. from Princeton University in 1995 and 1998, respectively. Supported by a postdoctoral fellowship from the Australian Research Council from 1998 to 2001, he conducted research at Westfälischen Wilhelms Universität in Germany from 1998 to 2003.

Kisin joined the University of Chicago as an assistant professor in 2003 and was promoted to professor in 2005. He was supported by a Sloan Foundation research fellowship from 2004 to 2007.

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Jerry Mitrovica named geophysics professor

By Steve Bradt
FAS Communications

Theoretical geophysicist Jerry X. Mitrovica, whose studies of the Earth's structure and evolution have important implications for our understanding of climate and sea-level changes throughout Earth's history, has been named professor of geophysics in Harvard University's Department of Earth and Planetary Sciences, effective July 1.

Mitrovica, 48, is currently professor of physics at the University of Toronto, where he has been on the faculty since 1993. He has also served since 2004 as director of the Earth Systems Evolution Program at the Canadian Institute for Advanced Research.

"Professor Mitrovica's research is at the forefront of current efforts to understand the relationship between sea level and the melting of ice sheets and glaciers," says Jeremy Bloxham, dean of science in Harvard's Faculty of Arts and Sciences (FAS). "This work is of tremendous importance and interest not only to his colleagues, who study the response of Greenland and Antarctica's ice sheets to global climate change, but also to society in general."

Mitrovica is best known for his extensive work tying Earth's internal dynamics to sur-

face changes associated with plate tectonics, glacial cycles, and climate change. His doctoral research demonstrated that the slow creep of mantle rocks responsible for continental drift and plate tectonics was also the cause of the intermittent flooding and uplift of continents through geological time. The thesis also developed the main theoretical tools now used to compute sea-level changes driven by ice age cycles and modern melting of polar ice sheets and glaciers.

In his subsequent postdoctoral work at the Harvard-Smithsonian Center for Astrophysics, Mitrovica predicted the ongoing deformation of the Earth's crust associated with the last ice age — a prediction that was verified a decade later by space-based GPS measurements in Fennoscandia.

In recent years, Mitrovica has used geological markers of uplift in areas of Europe and North America that were once covered by ice or water to constrain the fluidity, or viscosity, of the Earth's rocky interior — a parameter governing the long-term evolution of the Earth. He has also shown that rapid melting of individual ice sheets will lead to distinct geometries of sea-level change, leading the way to modern efforts to "fingerprint" the sources of global sea-level rise.

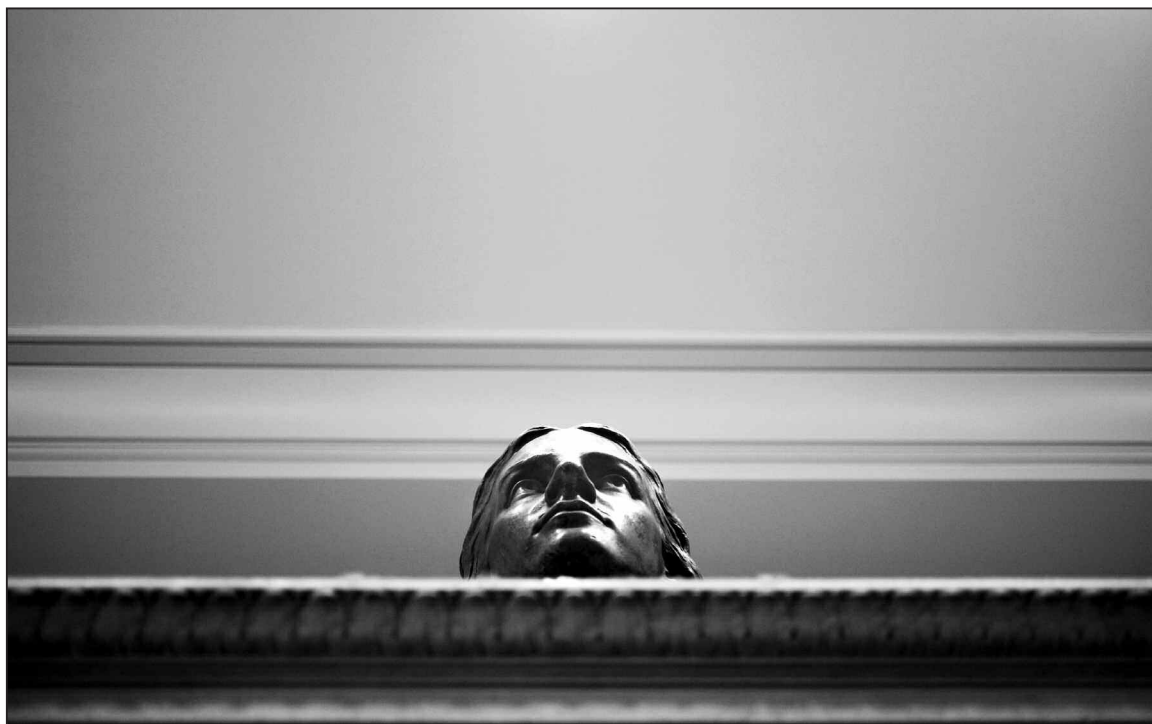
Mitrovica has also studied the effects of planetary rotation and pole migration on

bodies of water and shorelines on Earth and elsewhere. For example, he and colleagues reported in 2007 that mysterious undulating features that bounded a massive plain within Mars' northern hemisphere were actually the shorelines of large, ancient oceans: The shorelines had been deformed by movement of Mars' spin axis, and thus its poles, by nearly 3,000 kilometers sometime within the past 2 billion to 3 billion years.

Mitrovica holds bachelor's (1983), master's (1985), and doctoral (1991) degrees from the University of Toronto. From 1991 to 1993 he was a postdoctoral visiting scientist and then a visiting scholar at the Harvard-Smithsonian Center for Astrophysics. He has also served as a visiting scholar or professor in Harvard's Department of Earth and Planetary Sciences and at the University of Milan, the California Institute of Technology, and the University of California, Berkeley.

Mitrovica was named a fellow of the American Geophysical Union in 2005 and a fellow of the John Simon Guggenheim Memorial Foundation in 2007. In 2000 he received the Rutherford Memorial Medal (Physics) from the Royal Society of Canada, and in 2006 he received the European Geosciences Union's Augustus Love Medal. He has served on the editorial boards of the Journal of Geophysical Research and G3.

Placid countenance



Stephanie Mitchell/Harvard News Office

The bust of John Harvard that rests in the Thompson Room of the Barker Center looks like he's happy to be indoors all winter — unlike his University Hall doppelgänger.

Rockefeller

(Continued from previous page)

The Committee on Education Abroad, a faculty group led by Robert A. Lue, professor of the practice of molecular and cellular biology, carefully evaluated all grant applications with an eye toward ensuring that the proposed international experiences would deeply engage students in local culture as well as contribute to their intellectual growth.

"International summer programs transform students' subsequent studies at the College, both in content and in the relationships formed with faculty and peers," said Lue. "David Rockefeller's visionary gift will prompt further exploration of the language and culture that undergraduates experience abroad, while deepening its connection to their academic and extracurricular lives."

As one student planning to study environmental policy in South Korea said, "I hope to learn more about a critical part of the world that I would otherwise never have had the chance to experience." Another student, traveling to Japan to work in an immunogenomics laboratory, agrees. "I have never had the opportunity to fully immerse myself in another culture, and I know it will broaden me as both a person and a scientist." More than two-thirds of the students will be living in places outside of Europe and the United Kingdom.

The David Rockefeller International Experience Grants also complement many other University-sponsored opportunities for international study, work, and research. Representatives from some 25 different funding sources at Harvard came together

this spring to share information, collaborate, and explore how to make maximum good use of available resources.

"David Rockefeller's generosity will enable an unprecedented number of undergraduates to experience another culture this summer," said Evelyn Hammonds, dean of Harvard College and Barbara Gutmann Rosenkrantz Professor of the History of Science and of African and African American Studies. "We hope their experiences will prove as inspirational and transformational as did David Rockefeller's, 72 years ago."

Rockefeller has previously given \$40 million in gifts to Harvard, including \$25 million to create the David Rockefeller Center for Latin American Studies. Established in 1994, the center has become one of the pre-eminent institutions of its kind in the

world, and is distinguished as the first interfaculty initiative for international studies at Harvard.

Rockefeller is the former chairman, president, chairman of the executive committee, and CEO of Chase Manhattan Bank, and former chairman of the board of the Rockefeller Group. A past member of the Executive Committee of the Committee on University Resources, he also served as honorary chair of The University Campaign, which raised a record \$2.6 billion for Harvard between 1994 and 1999. An active Harvard alumnus for decades, he served on the Board of Overseers from 1954 to 1966, and was president of the board from 1966 to 1968. In recognition of his many forms of service to the University, he received an honorary degree in 1969.

Faust at UMass Boston: Local research universities power region

By B.D. Colen
Harvard News Office

The unique collection of research universities, biotech and pharmaceutical firms, and science and engineering startups linked by the MBTA Red Line is an economic powerhouse that is going to pull Massachusetts through the current financial crisis and help drive the nation toward

recovery, Harvard President Drew Faust told those attending the opening of a new Venture Development Center at the University of Massachusetts, (UMass) Boston, last Friday (May 1).

While Harvard and its fellow institutions are having to make painful adjustments to new economic realities, Faust said that “it is not by accident that we in Boston, and in Massachusetts, are on sounder economic

ground than much of the rest of the nation. As I have noted on previous occasions, Harvard is the second-largest private employer in the Boston area, but we are only a part of a massive higher education sector that is the envy of the world.

“Statewide, private higher education employs more than double the entire biotechnology sector in Massachusetts,” Faust continued in her keynote address. “There are

90,000 employees in the Boston metropolitan area employed at private colleges and universities. Add to that the faculty, researchers, and staff at UMass and other public colleges in our state, and the sector totals 100,000. That represents more employees than all of this region’s computer hardware, software, and services business, or this re-

(See **Faust**, next page)

Chaplains play important roles in hospitals

‘Paging God: Religion in the Halls of Medicine’

By Sarah Sweeney
Harvard News Office

What happens when a Buddhist monk visiting the United States is hospitalized, terminally ill with liver cancer? Does religion interfere with his medical care? What about his Buddhist brethren, unable to join him bedside? Who will provide the appropriate services and ceremonies? Well, says Wendy Cadge, that’s where hospital chaplains come in.

Chaplains are just one of the ways in which hospitals and religion cross-pollinate — but, says sociologist Cadge, a current fellow at the Radcliffe Institute for Advanced Study, this cross-pollination can sometimes be a tricky business.

“Does religion and spirituality influence your health?” asked Cadge. “I don’t think this is an unimportant question. ... Social institutions — temples, churches, mosques — ... are often involved in the answer to this question in ways that are rarely studied or talked about.”

Cadge visited the ailing monk in a Catholic hospital in Pennsylvania. “He was going to die — not in a temple ... but in this local hospital,” she recollected. “I wondered if he was awake how he would feel about being treated in a Catholic hospital. I wondered if the hospital had a priest or a chaplain, if that person might come by.”

Cadge explained that at most hospitals, the question of religion is a blank box on admissions paperwork. When she asked a hospital clerk why the information was relevant, he responded, “I don’t know. I guess it’s in case you die.”

The lasting image of the dying monk in his hospital bed in Pennsylvania left Cadge with an arsenal of questions. How do religion and spirituality interact with medicine?

Through research at major, non-religious-affiliated hospitals across the country, Cadge explored this question by shadowing hospital chaplains, analyzing the roles they



Rose Lincoln/Harvard News Office

Through research at hospitals across the country, Radcliffe Fellow Wendy Cadge examined the interplay of religion and medicine by shadowing hospital chaplains and analyzing the roles they play.

play and how they affect the religious and spiritual goings-on inside hospitals.

In a talk inside the Radcliffe Gymnasium, titled “Paging God: Religion in the Halls of Medicine,” Cadge said most people think of chaplains as the people wandering the halls of hospitals, making bedside calls. But Cadge explained that chaplains have many perspectives on the work they perform and define their responsibilities in a multitude of ways. Chaplains are involved in almost all aspects of hospital life, said Cadge. In their most basic definition, these chaplains visit with ill patients; but their role in hospitals is, in fact, complex and much-debated.

The treatment of the sick and dying in hospitals raises profound religious and spiritual issues. In their not-quite-formal, not-quite-defined roles, chaplains address these questions. They are intermediaries for patients and families; guides who help navigate through emotional and complicated end-of-life issues. Yet, in an article for the Web site Religion Dispatches (www.religiondispatches.org), Cadge says that chaplains “have little voice when it comes to public conversations about religion and medicine in this country.”

A reason for this, Cadge surmised, is that there are relatively few chaplains in the United States — roughly 10,000. And, in general, chaplains lack medical training, and, as Cadge points out in the article, “Many of the

country’s leading voices around religion, spirituality, health, and medicine are physicians.”

Even as atheism continues to rise in the United States, Gallup polls consistently show 95 percent of Americans still believe in a higher power; 70-85 percent of Americans pray for their own health and their family’s; and 72 percent believe God can cure people outside of medical science. What’s more, 60 percent of Americans and 20 percent of medical professionals think a person in a persistent vegetative state can be saved by a miracle.

So, it’s not surprising, perhaps, that in Cadge’s hospital research, which took her to intensive care and neonatal units, she found that it was common among non-chaplain staff to privately pray for their patients, regardless of their patients’ religious beliefs or whether or not they had solicited religious help.

Differences in religious viewpoints is an important issue for Cadge, who wanted to know how chaplains adapt to patients with different religions, and how patients with various religions and beliefs perceive chaplains.

Most of the chaplains Cadge observed would serve patients regardless of their denomination, and if patients or families requested a religious-specific prayer or ritual, the chaplain would oblige. Other times,

chaplains simply sat in with patients, a person to talk to. Cadge recalled chaplains who collected prayers from families. Most were written on Post-It notes left tacked to makeshift memorials created by families to honor their loved ones who had died in the hospital. The chaplains put them in shoeboxes; and when the shoeboxes overflowed, the chaplains didn’t toss them out, the prayers were ceremoniously burned.

Cadge documented designated spaces in hospitals reserved for prayer; these chapels range from traditional church-looking rooms to rooms meant to be all-encompassing, or “interfaith,” outfitted with alcoves

with specific religious symbols and texts.

The scope of a chaplain’s work varies with patients, but a chaplain’s responsibilities are deep and vast. “The one thing I found which most chaplains do ... is working around death, often managing death for hospitals,” said Cadge, who noted that in some hospitals she visited, chaplains were paged for every trauma coming into the emergency room, and some were responsible for coordinating plans with the morgue and serving as a liaison for families.

“Part of a chaplain’s task is to help people find something to be hopeful about,” said Cadge, quoting a chaplain identified only as Karen. Karen also told Cadge, “People come literally from all over the world. We chaplains are the ones who make these people not be strangers. ... We invite them into the community so that this becomes a safe haven in some regard.”

John, another chaplain Cadge encountered, had a different view. He believes a chaplain is “just someone who walks in, takes [patients] as they are, listens to their stories. ... The most we can offer them is just a listening ear and a caring heart.”

Alot of a chaplain’s work is about healing, explained Cadge, quoting Karen. “A lot of work we chaplains do is about reconciliation, to help people to feel whole, to bring them back to what has been, to what is, to what can be, either in this life or the next.”

Flu outbreak activates prepared emergency planning

Classes at the Harvard School of Dental Medicine (HSDM) will resume and its public dental clinic will reopen today (May 7) after Harvard and Boston public health officials identified a cluster of students possibly infected with H1N1 influenza virus, “swine flu.”

The reopening applies to all students, faculty, and staff at HSDM who are healthy and do not exhibit flu-like symptoms and includes all classes, patient care, research, and other educational activities.

Boston Public Health Commission (BPHC) officials emphasized again that any person on a university campus who shows early signs of influenza should stay away from classes, clinics, and the workplace at least seven days after the onset of the symptoms.

As of late Wednesday (May 6), the BPHC reported that there had been 10 HSDM students who appeared to have contracted the H1N1 virus, including four cases that have been confirmed by testing.

Additionally, University officials learned May 6 that a Harvard employee based in Cambridge contracted H1N1 flu.

The employee has recovered, and University Operations Services officials said that no one who works closely with the employee has exhibited flu-like symptoms.

Working with city and state officials, the University temporarily suspended classes and other activities on April 29 at HSDM, Harvard Medical School (HMS), and the Harvard School of Public Health (HSPH) because of the extent to which students at the three Schools intermingle. It also halted clinical activities by HMS students at Harvard-affiliated hospitals.

HSPH resumed classes on May 4 and HMS resumed classes and clinical activities at the affiliated hospitals on May 5. Despite the reopenings, Harvard officials remained vigilant and continued to monitor the situation.

“Harvard joins with public health officials in emphasizing that any person who shows early signs of influenza must follow the CDC recommended guidelines and stay away from classes, clinics, or work environments for at least seven days after feeling ill. Anyone exhibiting flu-like symptoms should consult with

their primary care physician,” said Provost Steven E. Hyman and David S. Rosenthal, director of Harvard University Health Services (HUHS), in a letter posted on Harvard’s home page.

When word of the potential cases became known last week, emergency management teams from the Central Administration and the Longwood Medical Area Schools activated their emergency management plans and worked together to implement various safeguards and to coordinate action and information with the Boston Public Health Commission. In addition to the Schools’ closings, self-service food service was eliminated in the Longwood cafeterias, and surface cleaning was increased.

Since last week, the University has circulated daily briefings updating the Schools’ local emergency management team leaders, the Administrative Council, and public information officers, in addition to updating the Harvard home page and (617) 496-NEWS. School Web sites, news phone lines, and e-mail accounts also were used to give specific information from the Schools to their communities in the Longwood Medical Area.

“The watchword remains caution, but not panic,” said Rosenthal. “We are monitoring the situation closely and continue to be in daily contact with public health officials.”

In the event of a major disease outbreak, Harvard’s emergency plans include contingencies for housing and caring for sick students. “At this time, it does not look like those plans need to be implemented,” said Thomas E. Vautin, associate vice president for Facilities and Environmental Services, and chair of the University’s Incident Support Team.

HUHS has posted answers to frequently asked questions about swine flu on its Web site, <http://huhs.harvard.edu/NewsAndEvents/Announcements/Announcement.aspx?id=200141>. Information about good hygiene practices has been widely circulated, and these practices remain important in preventing the spread of influenza generally.

For additional information about this quickly evolving situation, consult the CDC at www.cdc.gov and the World Health Organization at www.who.int/.

The HUHS Web site will be updated as new information becomes available.

Faust

Justin Ide/Harvard News Office



President Faust joins local educational and political leaders to mark the official opening of UMass Boston's Venture Development Center. The state-of-the-art R&D facility and business incubator, already home to four startups, signals the Dorchester extension of the innovation, research, and development that occurs along the Red Line.

(Continued from previous page)

gion’s banking, securities, and investment industries combined.”

Faust told the attendees — including Boston Mayor Thomas M. Menino, UMass President Jack Wilson, and UMass Boston Chancellor Keith Motley — that “one of the most significant things about our research universities is that they are engines that also produce the fuel — the scientists, physicians, and engineers, the thinkers and ideas that spur the new products, new jobs, and new companies that will help renew our economy and power the nation’s recovery. Mayor Menino understands this, and his advocacy, along with that of leaders on Beacon Hill, has helped ensure that Boston and Massachusetts will continue to be the world’s leading idea factory, even during these challenging times.”

Faust sustained applause when she said,

“The Red Line, which I rode here this morning, is far more than a subway line, far more than a transportation artery — it is a highly useful reminder of where we have *been*, and where we are, and where we can *go* ... if we commit to working together to get there.

“The Red Line,” said Faust, “is not just transportation. It connects programs; it connects institutions; and, most importantly, it connects *people*, people who are the most efficient translators of ideas, innovation, and knowledge; it provides us with a vision of what our community was, ... what it is, ... and what it *can become*. But this unassuming transit line is also a ruby necklace, whose jewels include — to name a few — Tufts, Harvard, Novartis, Amgen, MIT, the Broad Institute, the Whitehead Institute, Massachusetts General Hospital, the Federal Reserve Bank, and, of course, the University of Massachusetts, Boston, and the Venture Development Center whose creation

we celebrate today.”

After offering a tour of the collaborations and new ventures along the Red Line, Faust said that “If our institutions are going to continue to benefit mankind, we need to

To read President Faust’s speech,
www.president.harvard.edu/speeches/faust/090501_redline.php

continually develop the types of collaborations we celebrate today. As one travels the Red Line, it becomes obvious that our greatest strength really lies in sharing with one another the collaborations that create the virtual idea factory I mentioned earlier. We share our findings broadly in order that others can build on our work ... and we translate the products of these efforts so that the public can benefit.

“Virtually everything the government is

struggling to do to move our nation forward ultimately depends upon science, technology, and education — upon discovery, innovation, and collaboration. Advancing medical science, developing sources of renewable green energy, preparing our fellow citizens for the next wave of jobs — all require that we respond to the challenges we face today.

“This is a crucial moment in the long history of our nation,” she said. “We are all being called to make sacrifices, and we are all being called upon to work *together*. This is *our* challenge: We must decide if we are going to move forward *together*, or if we are going to fall behind. We must heed the lessons about the power of collaboration and impact so evident along the path of the Red Line and commit to forging and maintaining the connectors that will exponentially multiply the value of our institutions to our cities, our state, and our nation.”

SPORTS BRIEF

Clayton and Ko receive Player of the Year honors

The Ivy League has recently announced that both Chris Clayton '09 of the Harvard men's tennis team and Beier Ko '09 of the Harvard women's tennis team have been honored as the 2009 recipients of the Ivy League Player of the Year award.

Clayton, who is currently 79th in the latest Campbell's/ITA Division I men's tennis rankings, is also the top-ranked men's player in the Northeast. Named a unanimous first-team All Ivy selection, the Crimson co-captain completed the season with a 6-1 record in the Ivy League dual season and tied for the team lead in wins with a 20-10 record.

Ko, a unanimous Ivy Player of the Year and first-team selection for both singles and doubles, helped the Crimson women's tennis team earn their fifth Ivy title in seven years this season with a 5-0 record in league singles matches and an overall record of 15-8.

Clayton and Ko will represent the Crimson at the NCAA Singles Tennis Championships (May 20-25) in College Station, Texas.

— Gervis A. Menzies Jr.



Photos Kris Snibbe/Harvard News Office

Solar panels used to heat hot water for graduate student housing are seen on the roof of 20-20A Prescott St.

HRES installs solar arrays on buildings

Solar collectors on roofs will heat water for two apartment buildings

By Corydon Ireland
Harvard News Office

Harvard students can do a lot of things, but hovering five stories in the air is not one of them.

That's what you'd have to do to see the latest Harvard Real Estate Services (HRES) sustainability project: 14 solar arrays on the rooftops of two old apartment buildings just east of Harvard Yard.

solar energy

Lined up facing south, the solar collectors will use the power of the sun to make hot water for dishes, showers, and laundry.

Last month, the flat tablelike collectors — each weighing about 750 pounds — were hoisted onto the roofs at 20-20A Prescott St. (where there are 39 apartments) and at 472-474 Broadway (16 apartments). They're in place now, angled at a fixed 45 degrees and anchored into steel I-beams.

From the sidewalk, you'd have to strain to see just "edges and corners" of the silvery blue solar collectors, said Justin Stratman. He is HRES assistant director of property operations for residential real estate.

No hovering necessary for Stratman,

who has a key to the rooftop door at the Prescott Street building. On a recent gray afternoon, he showed the solar array to a visitor. The collectors, shimmering and shining and in a neat line, were warm to the touch.

Inside a protective layer of glass, thin overlapping aluminum fins in each collector gather in the sun's heat. A pump the size of a coffee cup transfers solar heat to loops of copper tubing.

By the end of May, that tubing will be insulated and primed with a glycol-water mixture designed to circulate hot water.

It's simple, and has no moving parts except for the pumps. "That's one of the appeals," said Stratman. "Just sunlight."

Solar-heated hot water will loop through a heat exchanger in the basement, get stored in massive basement tanks, and supplement the building's conventional hot water system.

On the rooftop, water-glycol temperatures can reach 390 degrees Fahrenheit. In the basement tanks, hot water hovers at the boiling point. Shuttled to the domestic water supply, it's moderated to a workable

(See *Solar*, next page)

The amazing TRV!

Steps toward sustainability are not always on a grand scale, like rooftop solar-thermal arrays.

Take the case of thermostatic radiator valves. About the size of a doorknob, these robust nonelectric valves — TRVs for short — help regulate the amount of hot steam flowing through radiators.

Steam heat, an old technology, is sometimes hard to control. During heating season, rooms can get too hot.

Last fall, in a pilot project, the valves were installed at four Harvard Real Estate Services (HRES) properties, in about 200 apartments. Using a calibrated dial, an apartment dweller can turn the steam down to the approximate temperature desired. "It allows for more local control," said Steven C. Nason, HRES director of residential real estate.

TRVs improve tenant comfort, he said, save energy by reducing waste heat, and offer a quick payback on investment.

This year, HRES will install TRVs at another 400 to 500 steam-heated apartments. Meanwhile, the HRES sustainability group is looking for more ways to cut energy use in its residential, University, and commercial portfolios.

"We're looking for effective projects," said Nason, "big or small."

— Corydon Ireland



Bjorn Storz, program engineer at HRES, shows a coal chute and pumps where a glycol-water mix will circulate from solar panels to heat water.

SPORTS WRAP-UP

Men's Heavyweight Crew

W Northeastern (Smith Cup)

Women's Heavyweight Crew

Beanpot 1/5

Women's Lightweight Crew

W MIT

Men's Lacrosse (8-5; 3-3 league)

L at Dartmouth 8-5

Women's Lacrosse (6-10; 2-5 league)

W at Boston College 9-8

Coed Sailing

BU Trophy 11/15
ICSA Western Semifinals 7/18

Softball (27-17; 12-8 league)

L Boston University 2-3

UPCOMING SCHEDULE

The week ahead
(Home games in bold)

Thursday, May 7

W Golf NCAA Regionals TBA

Friday, May 8

W Tennis NCAA Regionals TBA
W Golf NCAA Regional Championship TBA

Saturday, May 9

MHCrew EARC Sprints all day
MLCrew EARC Sprints all day
W Golf NCAA Regional Championship TBA
T&F Heptagonal Championships all day
Sailing NE Team Race Championship TBA

Sunday, May 10

MHCrew EARC Sprints all day
MLCrew EARC Sprints all day
T&F Heptagonal Championships all day

New A.L.M. concentrations announced for 2009-10

The Harvard Extension School has announced four new concentrations in its Master of Liberal Arts (A.L.M.) Program beginning with the 2009-10 academic year. The new concentrations are international relations, legal studies, visual arts, and clinical psychology. The concentrations were selected upon careful consideration of Extension School course offerings, the number of Harvard instructors teaching these courses, and repeated requests from students to create the concentrations.

“Some of these concentrations are distinctive at Harvard, since they are being structured as liberal arts fields and not as professional programs,” says Sue Weaver Schopf, associate dean of University Extension and director of the A.L.M. Programs. “As such, they will engage with history, theory, criticism, and current research topics within an interdisciplinary context. We expect them to have a broad appeal because of this.”

International relations

International relations has been one of the most frequently requested concentrations as the world continues to face many critical issues. The burgeoning field investigates the relationships among the world’s

governments, international political economy, international law, and multinational corporations, and global issues such as poverty, genocide, and the environment.

Legal studies

With a wide range of courses to support it, the interdisciplinary field of legal studies will introduce students to legal theory, history, ethics, and the impact of legal issues on a variety of fields and institutions — from museum law to mental health law. Inquiries for this concentration have come in from law enforcement personnel, paralegals, and individuals working for various advocacy groups. “Some might use this concentration to test the waters before applying to law school,” says Schopf, “but many people are simply interested in learning more about how the law functions within diverse segments of society, how concepts of justice have evolved, and the rhetoric of legal discourse.”

Visual arts

A retooling of the previously offered A.L.M. concentrations in history of art and architecture and studio arts and film, the new combined concentration in visual arts will offer students more courses and a wider pool of instructors from which to choose.

Students will be able to select from art and architectural history (both ancient and modern), film studies, digital media, photography, and other aspects of visual culture for their research. This concentration will provide a stepping stone for further graduate study or advancement opportunities to those involved in various activities within the arts community, and thus will attract a range of students from aspiring Ph.D. applicants to gallery owners, museum docents, and practicing artists.

Clinical psychology

Clinical psychology, another frequently requested concentration, is a field that emphasizes research on psychopathology, empirically based assessment, and psychological intervention, applying the knowledge gleaned from academic research directly to individuals in distress. This concentration includes a “field placement” course that would have both a classroom and a laboratory-based or human services-based component, requiring 150 hours in a Harvard Faculty of Arts and Sciences or Harvard Medical School laboratory/research facility; social services agency; or hospital setting. While graduates would not be eligible for psychology licensure in the commonwealth based on an A.L.M. degree, the field place-

ment experience would enhance the likelihood of securing in-field employment, as well as admission to further graduate study.

“We are responding to a particularly serious issue in our society at this time,” says Schopf. “With more than 360,000 veterans returning from Iraq and Afghanistan with head injuries and suffering from post-traumatic stress disorder, the health care industry is in need of persons with basic clinical training for a host of midlevel jobs in Veterans Affairs hospitals, nursing homes, drug treatment centers, and other therapeutic settings. We believe that this new concentration can assist in qualifying people for such work. It will also be useful to family members of veterans, who seek a better understanding of the psychological implications of such injuries.”

The A.L.M. Program will continue to offer its 15 traditional fields of concentration as well; but, says Schopf, “We also want to keep the curriculum fresh and responsive to emerging areas of study and changing needs within our society.”

The Harvard Extension School also announced that its Environmental Management Program will change its name to Sustainability and Environmental Management Program in 2009-10.

Solar



On the roof of 472-474 Broadway St., Bjorn Storz (wearing vest), HRES program engineer, explains how solar panels work to heat water for student housing.

(Continued from previous page)

118 degrees.

At the faucet, “tenants won’t recognize the difference,” said Bjorn Storz, who is the sustainability program engineer at HRES.

The solar thermal project, operational by the end of May, should supply up to 40 percent of the hot water needs of both buildings. It is also expected to reduce natural gas consumption by the same percentage, and knock up to 6 percent off carbon emissions.

“That’s really the idea — to support the University’s greenhouse gas emissions goals,” said Steven C. Nason, HRES director of residential real estate.

Last year, Harvard pledged to reduce such global warming emissions 30 percent by 2016.

The solar-thermal water systems are made by Solid Energy in Austria, a key European supplier of solar technologies. The company installed solar cooling and hot water systems at the 2008 Summer Olympics in China. Until now, its U.S. projects have all been in sun-rich Arizona and California.

On the rooftop at Prescott Street, the distant Boston skyline looks like a stack of toys. Cambridge is a carpet of rooftops.

Atop the Prescott and Broadway buildings, the rooftops are a brilliant white. (Such “high albedo” — highly reflective — roofs scatter sunlight and keep buildings cooler.)

Both buildings needed new roofs, said Nason, and that opened the way to adding in a solar thermal pilot project.

Performance will be monitored closely for a year, and that will help determine the future of such solar thermal installations. (Sunlight intensity audits have already been done at most of the apartment buildings in the HRES portfolio.)

“These are nice little pilots,” said Nason of the Prescott and Broadway buildings. Both are rel-

atively old — about 80 years — and both are of a modest size, like a lot of HRES properties.

HRES manages about a quarter of all Harvard-owned real estate, including 2,900 apartment units in 71 buildings or complexes.

In the past two years, it opened two new LEED Gold buildings, at 5 Cowperthwaite and 10 Akron streets. Another, at 2 Grant St., was fully renovated in 2008 to LEED Platinum standards.

LEED, a U.S. green building measure, stands for Leadership in Energy and Environmental Design. Its rating system is based on precious metals; ranking first and second are platinum and gold.

But sustainability projects don’t have to involve new buildings or large-scale efforts, said Nason. They can be part of modest investments, like the new roofs at the Prescott and Broadway properties.

“We’re working on the overall portfolio — existing, new, and renovated — to make our buildings more efficient,” he said.

Rooftop solar thermal systems have some technical limitations. Roofs have to be fully exposed to the sun and strong enough to handle the extra weight of the solar arrays.

Inside, buildings have to be roomy enough for mechanicals, including large hot water storage tanks. (At Prescott Street there are four 240-gallon tanks, each the size of a small car.)

Prescott Street is a one-stop history lesson in heating technology. In a few weeks, pipes will carry solar-heated water from the rooftop along the path of an old chimney.

They’ll enter the basement through an old coal chute, and deposit hot water in tanks where coal once stood in heaps. All this will happen a few feet away from the current (and conventional) gas-fired system.

It is, said Nason, “a wonderful coincidence.” corydon_ireland@harvard.edu

Related stories

FAS plan will slash greenhouse gas emissions,
www.news.harvard.edu/gazette/2008/12.04/11-FAS.html

Blackstone’s new solar system,
<http://green.harvard.edu/node/49>

HBS assumes mantle of renewable power pioneer,
www.news.harvard.edu/gazette/2003/10.09/20-hbssolar.html



Scholar examines many forms of haikai, low-brow as well as high



Kris Snibbe/Harvard News Office

Adam Kern: ‘Haiku is just one of numerous modes that make up a broader tradition of 17-syllable poetry. This tradition, known as *haikai*, encompasses a range of subjects, such as the erotic *bareka*.’

It might look like a haiku, but look again

By Emily T. Simon
FAS Communications

“These poems are lewd, rude, and raunchy,” says Adam Kern, associate professor of Japanese literature. He’s pointing to a set of Japanese verses in ink calligraphy, which, at first glance, look suspiciously like *haiku*. Each has 17 syllables in metrical groupings of 5-7-5 and includes a verbal pause, the key identifying feature of the *haiku* form. But their erotic subject matter has nothing in common with the depictions of natural beauty typically found in *haiku*. So how do these poems — which Kern identifies as *bareka*, fit into the Japanese literary tradition?

To answer that question, one has to re-evaluate popular wisdom about *haiku* — and that’s exactly Kern’s goal in studying the erotic poetry.

“Today it is widely and incorrectly believed that all 17-syllable poems are *haiku*, and by extension must include natural or seasonal imagery,” says Kern. “In fact, *haiku* is just one of numerous modes that make up a broader tradition of 17-syllable poetry. This tradition, known as *haikai*, encompasses a range of subjects, such as the erotic *bareka*.’

There are 30 poetic modes within the *haikai* genre, all based on the 17-syllable structure. Their form and subject matter, however, can vary significantly.

“They run the gamut of human experience,” Kern says.

In addition to *bareka*, he is fascinated by *senryū* — a comic mode that features irony or satire. Both modes, he says, are often overlooked or ignored completely by scholars.

Kern has been analyzing various *haikai* modes for several years in an effort to shed new light on Japanese literary culture.

“The history of haiku has been bifurcat-

ed,” he says. “Scholars have consistently ignored *bareka* and *senryū*, claiming that the poetry was ‘lowbrow’ and thus unworthy of their investigations. But we can learn so much about the history of Japanese culture if we consider these modes as expressions of the popular imagination.”

Kern traces the singular focus on *haiku* to the 1890s, when the poet Masaoka Shiki coined the term and retroactively imposed it on the history of Japanese poetry.

“He was trying to update Japanese poetry so it could be used as part of contemporary efforts toward modernization and Westernization,” Kern says. Since that time, the standard scholarly narrative has been dedicated almost exclusively to the *haiku* mode.

Yet, the 29 other modes flourished and circulated widely, particularly in Tokyo during the Edo period of 1600-1868. The poems were written in calligraphy by men and women from all social classes, often for a “verse-capping” competition. A judge would post the first verse of a poem on his or her door, then ask the public to submit the remaining verses as punch lines. The challenge was similar to the Western tradition of completing “Roses are red, violets are blue ...” or, more aptly, the bawdy limerick “There once was a man from Nantucket ...”

The winning entries were then printed in popular publications, such as newspapers — but with no byline. As time progressed, the poems came to be illustrated. Kern believes *bareka* and *senryū* were read by a broad audience from various social backgrounds, but exact readership has been difficult to determine.

Though short in length, *bareka* and *senryū* overcome the limitations of their form by making cultural references that were well-known to readers of that day.

“A contemporary example would be a reference to the Simpsons,” Kern says. “With

just a few words, the poet could intimate a great deal.”

Kern has found that *bareka* and *senryū* frequently parody famous *haiku* verses, offering a striking juxtaposition of “high” and “low” culture.

“Very often, there is something going on beneath the raunchiness, whether it be political or cultural commentary,” Kern says.

Between 1868 and 1912, when Japan was beginning to open up to the West, *bareka* and *senryū* were heavily censored. The forms all but disappeared until the post-war years of 1945-51, when Americans occupied Japan. They are still produced today but not openly published.

“The history of the poetry’s repression, and its re-emergence, can tell us a great deal about censorship and Japanese culture,” says Kern. “These poems demonstrate that people found loopholes in the story that society told them they had to live by.”

Ultimately, Kern hopes his work will demonstrate that *haikai* is much richer than simply *haiku*.

“I want to recoup *bareka* and *senryū* from their effacement that occurred as part of the effort to modernize Japanese literature,” Kern says. “In so doing, I hope to reclaim the individuality of each mode so that they can be read and analyzed against one another.”

Kern’s research on *haikai* is the focus of a forthcoming book, “The Penguin Book of *Haiku*” (Penguin Classics).

“The title is deceptive, because the whole point of my research is to extend beyond the traditional understanding of *haiku*,” Kern says. “But the editors and I chose it for marketing purposes. I am hoping that readers will be drawn in — and then I can disabuse them of their previously conceived notions,” he adds with a smile.

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Lessons from past explored to expedite future research

By Alvin Powell
Harvard News Office

People, knowledge, communication, and capitalism were front and center last week as authorities on innovation sought to shed light on ways to speed up the development of new medical treatments from discoveries in the lab.

The speakers, who drew on lessons from the computer industry and from past startup ventures, were part of the “Harvard Medical School Dean’s Symposium on Clinical and Translational Research,” sponsored by Harvard Catalyst: The Harvard Clinical and Translational Science Center.

medicine The event presented three separate symposia over two days. The opening event, “Challenges to Successful Innovation and Translation,” was held Thursday evening (April 30) at Harvard Business School’s Spangler Auditorium. The remaining two events, “Thought, Emotion and the Brain” and “Medical Nanotechnology: Small Is Big,” were held Friday (May 1) at Harvard Medical School and at the Harvard-affiliated Schepens Eye Research Institute.

Topics covered ranged from microfluidics and nanoelectronics to the search for autism genes and regulating the brain. On Thursday, Yochai Benkler, the Berkman Professor for Entrepreneurial Legal Studies at Harvard Law School, said that knowledge resides mainly in individuals and that innovation depends on getting people to communicate. Information flow, however, tends to be blocked by efforts to control that information, for profit or other reasons.

Benkler compared how Massachusetts and California’s Silicon Valley each weathered the computer transition to personal computing and the Internet. While Massachusetts companies suffered, Silicon Valley companies such as Apple and Google flourished. The reason, he said, is that there was a culture of sharing information in Silicon Valley and people regularly switched jobs. The legal underpinnings in California were more conducive to information flow, he said, since non-compete clauses were rarely enforced.

“Knowledge resides in people. A lot of knowledge is passive and not something that can be passed onto the next person [in a job],” Benkler said. “Innovation emerges from connecting people’s minds.”

Another example Benkler used was the open-source software movement, which requires collaboration from people who don’t work together to constantly improve software. Though it may not be competitive to share information outside one’s company, the movement recognizes a truth about technology that also applies to other fields such as health care.

“Knowledge resides in people, not all of whom work in your project or company,” Benkler said.

One problem with the current
(See *Catalyst*, next page)

Obama and the art of the possible

Kuttner offers his view during Lowell Lecture

By Emily T. Simon
FAS Communications

With the passing of Barack Obama's 100th day in office, journalists and pundits are posing a simple but all-important question: How is the president doing? Robert Kuttner, author and political commentator, gave his own evaluation of the Obama presidency for the 2009 Lowell Lecture on April 30 in Emerson Hall.

Kuttner is co-founder and co-editor of The American Prospect magazine. He has authored numerous books on politics and economics, including the best-seller "Obama's Challenge: America's Economic Crisis and the Power of a Transformative Presidency" (Chelsea Green, 2008). Kuttner drew from themes in that book to discuss how the 44th president has the capability to enact sweeping economic reform, and why he's falling short.

After opening with a detailed account of the economic crisis, which highlighted all the usual suspects — AIG, Lehman Brothers, Merrill Lynch — Kuttner's narrative turned personal. He outlined his fascination with Obama's campaign and the hopes he had pinned on the young candidate, noting "for liberals like me ... the arrival of Obama was almost a miracle."

As the economy began to spiral downward, Kuttner began thinking about presidents who had been able to turn crisis into opportunity. The list of "transformative" leaders included Abraham Lincoln, Franklin Delano Roosevelt, Lyndon Johnson in the Civil Rights era, Ronald Reagan (on the conservative side), and — if he could live up to the promise he exhibited in his campaign — Barack Obama.

"In each case, the president began with a set of constraints," Kuttner said, "and through his leadership, dramatically moved public opinion to a point where things that began as unthinkable became possible and then became inevitable."

That idea ultimately led to "Obama's Challenge," which Kuttner and his editor decided to publish before the president was actually elected. Their gamble paid off, and the book proved wildly popular. Now that



Kris Snibbe/Harvard News Office

The American Prospect magazine's Robert Kuttner delivered the Lowell Lecture this year, providing a frank appraisal of Obama's first hundred days: 'I am extremely worried about the way he is going about economic policy and financial policy. ... There is something quite alarming about the way he is going about the financial rescue, and that in turn [is reflected in] the people he's hired.'

Obama is in office, Kuttner has had time to reflect on whether he is proving transformative after all. On the economic side, Kuttner said, things are looking gloomy.

"I am extremely worried about the way he is going about economic policy and financial policy," Kuttner said frankly. "You know, you feel bad criticizing this man. ... This is a president who, above all, one wishes well."

Still, Kuttner said, "there is something quite alarming about the way he is going about the financial rescue, and that in turn [is reflected in] the people he's hired."

A look back at the campaign period, said Kuttner, provides insight into Obama's selection of economic advisers. When searching for a team, he was "under pressure to appoint people who were unimpeachably mainstream," i.e., individuals who had served in the Clinton administration.

Kuttner decried plans set forth by Treasury Secretary Timothy Geithner, in particular the Public-Private Investment Program (PPIP) to guarantee and supply loans through the Federal Reserve.

A better route to recovery, Kuttner said, would look similar to what Roosevelt did with the Reconstruction Finance Corporation in the 1930s or what Reagan developed with the support of Congress in the savings and loan rescue of the 1980s. It is the same "straightforward" approach taken several

times a month, Kuttner said, when the Federal Deposit Insurance Corporation acts to shut down a failing medium-sized bank.

"This was the road not taken by the current administration," he said.

In addition, Kuttner noted, two assumptions have been made that he sees as "disastrously wrong": that this is merely a crisis of confidence, and that time is on our side.

"If you go look at the vacant houses on the fringes of Las Vegas and Phoenix, on the west coast of Florida, in Cleveland and in Detroit, you realize they are not coming back," he said.

Kuttner argued that in terms of policy, Obama needs to create a more dramatic break with the old order, to escape what he calls an "undertow of entrenched interests."

"Why is it that an administration that is so different from the Bush administration in every other respect [has] this seamless continuity from [former Treasury Secretary Henry] Paulson to Geithner? Why has there not been the kind of rupture with Wall Street that there was during the New Deal?"

The continuity is due in part, Kuttner said, to Obama's personality. As a consensus-builder, Obama has been trying to create a new center that includes Wall Street and has been reticent about handing down severe criticism.

"His whole makeup is about bridging differences," Kuttner said. "But sometimes you

have to pick a fight and acknowledge that X industry is the obstacle to change."

Kuttner views the moment as a "high-stakes," prime opportunity for change. He believes that the administration should not be working simply to restore the American economy to its 2006 shape, but to transform the whole model of trade. It's a tall order, but Kuttner is optimistic that Obama is up to the task.

"The circumstances will require a decision that Obama has not yet embraced but that he will come to," Kuttner said. "The good news is, this is a very smart guy. He has been meeting privately with his fiercest critics. ... This is a man with the self-confidence to get a second opinion. This is also a man who reads and thinks, who is not a prisoner to his advisers, and who above all does not want to fail."

"And I think, if I'm right that he's going down the wrong route, particularly on the banking part of the economic recovery plan, you will either see a different recovery plan or you will see different advisers fairly soon," Kuttner added.

The Lowell Lecture, given annually and devoted to the major issues of our time, is sponsored by the Lowell Institute of Boston and the Harvard University Extension School.

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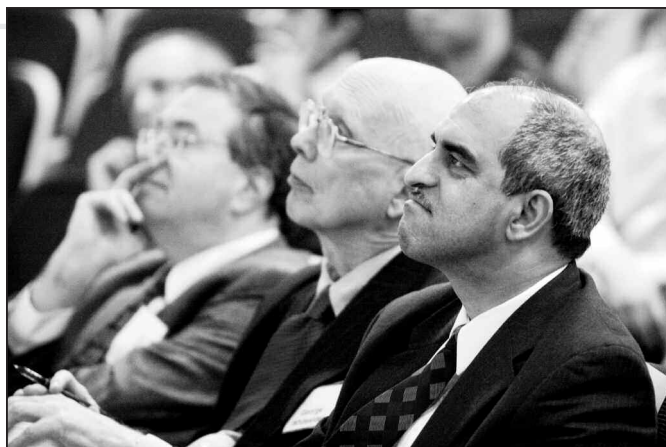
Catalyst

(Continued from previous page)

model of medical research, Benkler said, is that it doesn't recognize or reward someone who may be particularly collaborative, bringing together different people in different departments, even though those connections may be essential for innovation.

"Ensuring flow may mean releasing control and that may mean changing some of the basic aspects of the systems we have," Benkler said.

Srikant Datar, Dickinson Professor of Accounting, senior associate dean, and director of research at Harvard Business School, said that innovation often comes packaged with a measure of distance from a problem. He cited the success of an English clockmaker in determining longitude, a problem that had defied scientists and



Kris Snibbe/Harvard News Office

sailors alike.

George Whitesides, the Flowers University Professor, drew on his own experience with startup companies to offer more practical advice about taking scientific discover-

vance to market, it is useless to patients and other potential customers. That happens through capitalism, often through venture capitalism.

Whitesides cautioned that though ven-

Jeffrey Flier (from left), George Whitesides, and Srikant Datar listen intently to one of the speakers at the Spangler Auditorium symposium.

ies to market.

Whitesides said that commercialization of an advance is important because without a company to bring an ad-

venture capitalism can bring money to a project, it also can lead to a loss of control and so should be used sparingly. He counseled that one should hire good people and pay them well, but keep a sharp eye on expenses.

From a commercial standpoint, he said, a risky project that might not work is bad, as is one that will take a long time to come to market, since each will raise costs. He advised researchers to "finish the science" before starting a company, because research comes along on its own schedule. In addition, he urged researchers to learn basic accounting before embarking on any business venture.

"That way you won't appear as an object of prey rather than as a partner," Whitesides said.

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The Dalai Lama delivers message of compassion to Harvard audience

By Colleen Walsh
Harvard News Office

It was a simple message delivered by a self-described “simple Buddhist monk”: Compassion reigns supreme.

The Dalai Lama addressed a capacity crowd at the Memorial Church on April 30. With his trademark affable, down-to-earth style the religious leader counseled the audience about the important things in life in a talk titled “Educating the Heart.”

The event was hosted by the Harvard Graduate School of Education (HGSE) and the Harvard Divinity School (HDS).

The spiritual leader of the Tibetan peo-

ple, Tenzin Gyatso, the 14th Dalai Lama, has lived in exile since the Chinese suppressed a Tibetan uprising in 1959. He was awarded the Nobel Peace Prize in 1989 for his efforts on behalf of the Tibetan people for autonomy from China and his support of peace and tolerance.

After introductions from HGSE Dean Kathleen McCartney, the Gerald S. Lesser Professor in Early Childhood Development, and HDS Dean William A. Graham, the John Lord O’Brian Professor of Divinity and Murray A. Albertson Professor of Middle Eastern Studies, the 73-year-old Dalai Lama unlaced his brown shoes and slid them off, folding his feet up under his dark red robes to

“get comfortable” before beginning his talk.

He offered his perspective on religion and education, and stressed the importance of both in developing compassion.

The comparative study of religions is critical, he said, to foster broader understanding and appreciation among people of different faiths and traditions and to help them comprehend that principles like love, compassion, and tolerance are at the heart of every religion.

“All traditions,” he said “consider these important values.”

The Dalai Lama noted that some people consider Islam to be more militant than other religions because of the actions of rad-

ical factions, but he said that at the core of Islam is a loving god. “Praise Allah,” he said, “means infinite love, compassion.”

Education has an important role to play in enlightening the spirit, said the Dalai Lama. But he warned that people with intelligent minds but lacking a compassionate heart can succumb to competition, anger, and jealousy.

Educating the heart on compassion, and giving love and kindness to others, he offered, will lead to true inner peace. It’s critical, he added, “to educate [people] to be good social members.”

In response to a question from McCartney (See **Dalai Lama**, next page)



Stephanie Mitchell/Harvard News Office

Six writers, all at risk of death or arrest in their home countries, talk about their art and lives in a public forum at Lamont Library. Participants include Shahriar Mandanipour (from left), Ma Thida, Pablo Medina, Pierre Mujomba, and Xue Di.

Writers at risk talk about lives

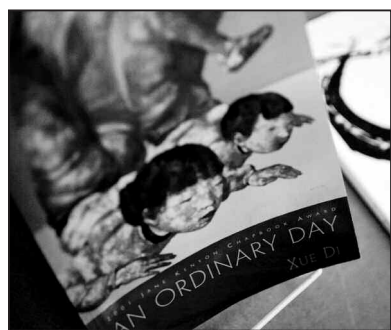
Lamont Library event features poets, journalists, novelists

By Corydon Ireland
Harvard News Office

For some, words are both a way of life and a way of risking life. Last year, 877 writers and journalists around the world were killed, jailed, or attacked.

That’s according to PEN International, a global association of writers. A recent PEN event celebrated — among others — the memory of Ken Saro-Wiwa, a Nigerian writer hanged for his activism in 1995. In a testament to the fearful power of his words, his body was burned with acid and buried in an unmarked grave.

An audience of 90 at Harvard’s Lamont Library got a glimpse last week (April 29) at the dangers that free expression sometimes invites. A panel of six writers from six troubled lands talked about home, language, war, censorship, audiences, and inspiration.



The April 29 panel, “In Other Wor(l)ds,” was sponsored by the Humanities Center at Harvard and the Harvard College Writing Program, and by Stephen Greenblatt, Cogan University Professor of the Humanities. Moderator and chief organizer was writing program preceptor Jane Unrue, also a member of Harvard’s Scholars at Risk committee.

All six writers are living in the United States at least temporarily. Two — from Iraq and Burma — will go home shortly; the others — from Iran, China, Democratic Republic of the Congo, and Cuba — still suffer degrees of exile.

Iraqi novelist and journalist Mayselun Hadi, a visiting scholar at Harvard this year, said of her homeland, “I consider the few years spent away from it as if I am not living.”

She is translating some of her stories from Arabic to English. Her novel “The World Minus One” is a view of the first Gulf War.

Poet Xue Di, a veteran of Tiananmen Square activism in 1989 and in exile since 1990, visits home imaginatively. “When I write in Chinese,” he said, “I connect with my culture.”

This year, Di — a one-time International Writing Fellow at Brown University — will pub-

lish a book of his that he is translating from English to Chinese, “A View Along the Running Edge.”

Iranian novelist Shahriar Mandanipour once wrote stories huddled under artillery fire during the Iran-Iraq War. After three years in the United States, he worries that for every English word he learns, one in Farsi — a language he called “my treasure” — disappears.

Physician, writer, and activist Ma Thida — Brown’s international writing fellow this year — has been writing in English lately, a language she associates with deadlines. “If I write in Burmese,” she said, “I won’t stop, I won’t finish.”

Thida was imprisoned from 1993 to 1999 for her activism and “unlawful literature.” She treated the wounded during Burma’s 1988 pro-democracy riots and was a campaign assistant to opposition leader and Nobel Peace Prize laureate Aung San Suu Kyi. All her works are banned in Burma, known also as the Union of Myanmar.

Unrue asked them all: Why write?

“We just want to share,” said Thida. “We just want to write because we want to let anyone know — anyone else know — about our oppressed people.”

(See **Writers**, next page)

Nieman presents Louis M. Lyons Award to Fatima Tlisova

The Nieman Foundation for Journalism at Harvard will present the Louis M. Lyons Award for Conscience and Integrity in Journalism to current Nieman Fellow Fatima Tlisova Thursday (May 7).

As an investigative journalist, researcher, and expert on human rights issues in the **journalism** North Caucasus region of Russia, Tlisova is being honored for courageous reporting in the face of severe intimidation and physical assaults. She has written extensively on abuses suffered during military operations in the area; torture and disappearances; corruption; Circassian nationalism; women's rights; censorship; and the role of Islam in regional affairs. She also has led several training workshops for journalists in the North Caucasus and served as editor-in-chief of the North Caucasian bureau of the REGNUM News Agency for three years.

Tlisova has worked as a correspondent for a number of Russian newspapers such as No-

vaya Gazeta as well as international media, including the Associated Press, Radio Free Europe/Radio Liberty, and the BBC. She was awarded the German Zeit-Stiftung Gerd Bucerius Award in 2006 for her commitment to reporting on the conflict in Chechnya, one year after receiving the Rory Peck Freelancers Choice Award for continuous bravery, commitment to the story, and efforts to help fellow journalists. She has won numerous other awards for her work, including an Amnesty International U.K. Media Award in 2008. During the 2007-08 academic year, she was a fellow at Harvard Kennedy School's Carr Center for Human Rights.

The Nieman Class of 2009 chose Tlisova — their own classmate — for the award, noting that her work and example have set the highest standard for the journalism profession. In selecting her, they recognized Tlisova as “a brave reporter and sensitive spirit, a woman whose published work bears witness to the hidden truths of a violent place.” Sev-

eral fellows stated that they believe her best work is yet to come. Although a number of Nieman Fellows have been given the Lyons Award in the past, Tlisova is the first to receive the honor as a current fellow.

Nieman Curator Bob Giles added, “Fatima has faced great dangers on the job, including violent beatings and poisoning, yet she has never faltered in her pursuit of the facts. She has watched as friends and colleagues have been threatened and killed but she remains deeply committed to telling the stories of her homeland and countrymen, understanding how crucial her work is to the cause of justice. She is an inspiration to us all.”

Finalists for this year's Lyons Award

Jesus Blancornelas, an investigative journalist who exposed political corruption and the power of drugs gangs in Mexico, particularly the Tijuana Cartel. The object of several attempts on his life, Blancornelas died in 2006 from complications caused by

stomach cancer.

Donna DeCesare, an award-winning photojournalist who has risked her life to cover human rights and justice issues. She is widely known for her groundbreaking photographic reports on the spread of Los Angeles gangs in Central America. Her photographs and testimonies from children who are former child soldiers, survivors of sexual abuse, or who live with the stigma of HIV helped UNICEF to develop protocols for photographing children at risk.

Jestina Mukoko, a former broadcast journalist with the Zimbabwe Broadcasting Corporation, who is now a human rights activist and the director of the Zimbabwe Peace Project. Accused with nine other activists of planning to overthrow President Robert Mugabe, Mukoko was abducted from her house in December 2008 and tortured for several days before she was arraigned. She was released on bail on March 2 of this year but still faces criminal charges.

Writers

(Continued from previous page)

Hadi — the author of a Saddam-era book called “Things That Did Not Happen” — called writing “a message to be delivered.”

Pierre Mujomba, a one-time Brown writing fellow harried out of his native Congo in 2003, writes (in French) to give the world a view of an Africa that is marked by corruption and authoritarian rule.

“I want the future to know what is happening in my country,” he said of his stories, poems, and plays. “What we write is not history books, but it is part of history.”

Mandanipour paused to thank all the dictators who had conspired to make such a panel of writers possible. “They should be here,” he said.

And censorship?

In Burma, where literary festivals are held three times a year and reading is pervasive, people have learned to “read between the lines,” said Thida. “Our readership has very strong imaginative power.”

Novels offer “ways to hide yourself,” offered Di, but poetry is emotionally naked — and was in the past a surer “invitation to prison.”

Mujomba once wrote a play disapproved of by government censors in Kinshasa, so he staged it at the French Embassy. It was banned after one performance. “They didn’t arrest me,” said Mujomba, “but they arrested the show.”

Pablo Medina, who left Cuba as a boy and will teach at Emerson College this fall, has written memoirs, poems, stories, and novels unmolested by conventional censorship. But censorious forces of another sort are at play, he said: a U.S. literary market that types you as a writer, and an academy that pronounces you worth studying (or not).

Censorship sometimes takes a religious turn, said Mandanipour, “something like the Middle Ages.”

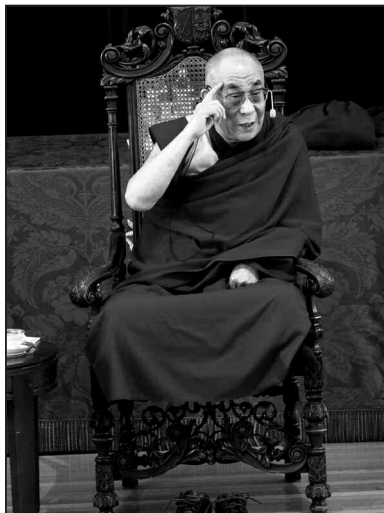
In a story published in an academic literary journal he edited, a boy and a girl were seated back to back on a park bench. The scene earned a warning from Iranian censors, said a disbelieving Mandanipour, for being “so sexy.”

His newest novel, available May 5 from Knopf, is “Censoring an Iranian Love Story.”

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Dalai Lama

Photos Katherine C. Cohen/Harvard News Office



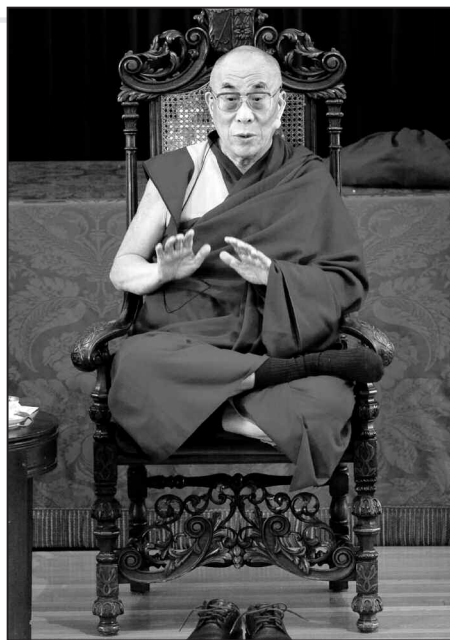
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ney about how to seek peace as individuals and cultures, the Dalai Lama answered emphatically that nonviolence was the only approach.

“I always tell people we must avoid all violence. ... That means talk, dialogue, respect [for] others’ interests, other points of view ... and then [an effort] to compromise.”

The Dalai Lama’s last visit to Harvard was in 2003, when he also spoke at the Memorial Church.

Drawn to Harvard in part because of the many future leaders educated here, the Dalai Lama said he was happy “to interact with people of a famous institution.” But he drew chuckles from the crowd when he said a friend’s comment that just to walk through Harvard is something sacred “is too much, I think.”

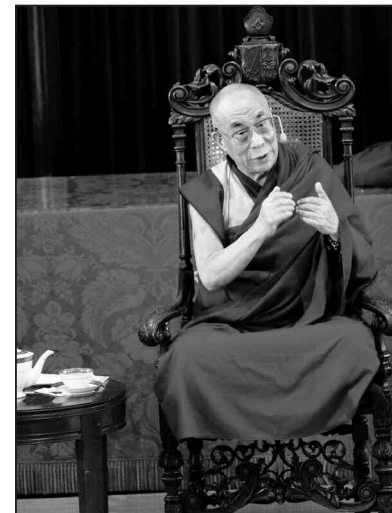


The Dalai Lama was in Boston as part of a four-day tour that included his visit to Harvard as well as to the Massachusetts Institute of Technology for the inauguration of a new center for ethics named in his honor. He participated May 1 in a panel discussion organized by Harvard Medical School titled “Meditation and Psychotherapy: Cultivating Compassion and Wisdom.” On May 2, he spoke at Gillette Stadium.

After the Memorial Church talk, the Dalai Lama, accompanied by Harvard President Drew Faust, University Marshal Jacqueline O’Neill, McCartney, and Graham, planted a birch tree in front of the Memorial Church. The tree was a hybrid, a combination of Eastern and Western varieties, created especially for the occasion by the staff of Harvard’s Arnold Arboretum.

“Just as the Dalai Lama illuminates our

The 14th Dalai Lama imparts his message of nonviolence to a gathering at the Memorial Church.



role as stewards of the environment, compassionate toward all creatures,” said Faust, “so shall this tree shine for all who pass this way, a reminder of our interdependence.”

The lack of a ticket to the event did little to dampen the enthusiasm of Malden resident Ngawang Sherpa, originally from Tibet. With “Team Tibet” written across the back of his black jacket, he and a collection of friends staked out a spot outside the church hoping to catch a glimpse of the spiritual leader.

“He’s our everything, the soul of our souls,” said Sherpa, holding a traditional white Tibetan scarf and a lily that he hoped to present to the Dalai Lama. “He is the one who works for peace.”

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Harvard Magazine names 2009-10 Ledecy Fellows

Harvard Magazine’s Berta Greenwald Ledecy Undergraduate Fellows for the 2009-10 academic year will be Spencer Lenfield ’12 and Melanie Long ’10, who were selected after a competitive evaluation of writing submitted by student applicants. The fellows, who join the editorial staff during the year, contribute to the magazine as undergraduate columnists and initiate story ideas, write news and feature items, and edit copy before publication.

Lenfield, of Paw Paw, Mich., will live in Eliot House in the fall. He is considering a concentration in literature and history. Lenfield plays piano in a classical trio, is on the editorial board of Tuesday magazine, and expects to work in Michigan this summer, possibly at Western Michigan University, where he took courses before coming to Harvard.

Long, of Atlanta, has previously lived in Cincinnati; Frankfurt, Germany; and Cara-

cas, Venezuela; and is now a resident of Lowell House. She is concentrating in English and pursuing a minor in film studies. A Crimson staff writer and volunteer tutor, she intends to work in Cambridge this summer, serving as a resident tutor in the Crimson Summer Academy, Harvard’s academic enrichment program for local high school students.

The fellowship is supported by Jonathan J. Ledecy ’79, M.B.A. ’83, and named in honor of his mother.

Geneticist ‘who doesn’t believe in God’ offers new conception of divine

By **Corydon Ireland**
Harvard News Office

The Paul Tillich Lecture, offered annually at Harvard since 1990, commemorates the memory of a public intellectual who was **religion** once “the largest theological figure in our orbit,” said The Rev. Peter J. Gomes.

Gomes is Plummer Professor of Christian Morals and Pusey Minister in the Memorial Church, where Tillich often preached while a University Professor at Harvard from 1954 to 1962.

Tillich (1886-1965) was an existentialist Christian who embraced God as “the ground of being.” It was a concept of the divine that offered shelter from the existentialist idea of “non-being,” with its attendant despair over life’s apparent meaninglessness.

Born in Prussia and a World War I German army chaplain, Tillich was in 1933 the first non-Jewish professor dismissed from a university following Hitler’s rise to power. He is regarded as one of the 20th century’s most influential Protestant theologians.

This week (May 4), Gomes introduced the 2009 Tillich lecturer: physician, inven-

tor, and theoretical biologist Stuart A. Kauffman, a visiting professor of science and religion this spring at Harvard Divinity School.

Standing at ease at a Memorial Church lectern, Kauffman offered his thanks, and his surprise. He told the audience of about 200, “I admire your courage in inviting a Jewish fruit fly geneticist who doesn’t believe in God.”

Kauffman, who teaches at the University of Calgary and is an external professor at the Santa Fe Institute, outlined a new conception of the divine that seemed to offer a

reformulation of Tillich’s “ground of being.”

In his view of an “emergent” divine, God is the biosphere’s “ceaseless, creative coming,” he said — an expression of life’s “fully natural creativity” in which all living beings share in a kind of co-divinity.

Kauffman’s lecture was an abbreviated look at his latest book, “Reinventing the Sacred: A New View of Science, Reason, and Religion” (Basic Books, 2008).

He offered two basic imperatives: Reinvent science and reinvent God. In Kauffman’s view, science has been captive for cen-

(See **Tillich**, next page)

Tale of terror and courage

Holocaust survivor, Jehovah’s Witness speaks at Harvard, offers a message of hope



Photos Jon Chase/Harvard News Office

Interned in three concentration camps during the Second World War for refusing to renounce his faith as a Jehovah’s Witness, pledge his allegiance to Adolf Hitler, or join the German army, Leopold Engleitner, who told his story at the Science Center, survived torture and incarceration by the Nazis from 1939 to 1943.

By **Colleen Walsh**
Harvard News Office

Aided by a wheel chair, his slight frame bent in part by a curvature of the spine since birth, in part by the passage of time, a man who endured unspeakable cruelty 70 years ago told his story of survival to a Harvard audience.

Austrian Leopold Engleitner, purportedly the world’s oldest concentration camp survivor, spoke at the Science Center May 4 to a diverse crowd: young and old, men, women, and children.

history Interned in three concentration camps during the Second World War for refusing to renounce his faith as a Jehovah’s Witness, pledge his allegiance to Adolf Hitler, or join the German army, Engleitner survived torture and incarceration by the Nazis from 1939 to 1943.

Approximately 10,000 Jehovah’s Witnesses were sent to concentration camps during Hitler’s ascendancy. It is estimated that between 2,500 and 5,000 perished. Unlike the millions of persecuted Jews who were imprisoned and died at the hands of the Nazis with no chance of escape, Jehovah’s Witnesses were offered their freedom in return for signing a declaration stating



Robert Buckley from the Holocaust Memorial Museum holds up a replica concentration camp jacket.

they renounced their religion and fully supported the German regime. Engleitner repeatedly refused to sign the document.

A chance encounter with Engleitner in 1994 by filmmaker Bernhard Rammerstorfer led to a book and a DVD about the former’s life as well as a lasting friendship. Introducing the diminutive and spirited 103-year-old, the biographer described their first meeting, noting that Engleitner “talked and talked and talked.”

Amazingly, in the years following the war, his Upper Austrian neighbors turned

on him, branding him a coward. Some even claimed the concentration camps never existed, said Rammerstorfer, who realized “it did [Engleitner] good to have someone at long last to finally listen to him.”

In addition, the chance to be able to tell Engleitner’s story, Rammerstorfer said, “could provide valuable lessons for the peaceful coexistence of mankind.”

Though his voice was shaky and frail, the elderly Austrian’s determination was visibly resolute. He responded to questions in German, tapping his hand firmly on the table in front of him with each answer to emphasize his points.

With the aid of an interpreter, Engleitner recounted some of his harrowing moments while imprisoned at the concentration camps Buchenwald, Niederhagen, and Ravensbrück.

“Every morning when you woke up, you would not know whether you would live to see the evening,” he said, describing how he narrowly escaped being put to death by force-

(See **Holocaust**, next page)

Community Gifts raises money for 400-plus charities

The annual Community Gifts Through Harvard campaign has raised more than \$600,000 via personal contributions from Harvard faculty, staff, and retirees. Over 400 charities, most in Massachusetts, were recipients of these funds.

Despite an uncertain economy, the giving total for 2009 rivaled that of 2008, which stood at \$629,745. The final tally for donations in 2009 is \$601,942.

Gifts for the United Way totaled \$251,645, 42 percent of the gifts; while 58 percent, \$350,297, went to other charities.

The charities chosen by employees that received the most funds included the United Way, Community Works, Doctors Without Borders, Rosie’s Place, Phillips Brooks House, Combined Jewish Philanthropies of Greater Boston, American Repertory Theater, Planned Parenthood of Massachusetts, Boston Center for the Arts, and Cooper Union.

“I believe that is a positive outcome given the uncertainty that everyone is experiencing in this economic environment,” said Mary Power, chief of community relations and executive director of community initiatives. “Harvard community members personally reaffirmed their support of the many local nonprofits providing important community services.”

IN BRIEF

Deadline May 21 for Dunlop thesis prize

The Mossavar-Rahmani Center for Business and Government (M-RCBG) at the Harvard Kennedy School is accepting papers for the John T. Dunlop Thesis Prize in Business and Government, awarded to the graduating senior who writes the best thesis on a challenging public policy issue at the interface of business and government.

A \$500 award will be given to the individual who best examines business-government interface with respect to regulation, corporate responsibility, energy, the environment, health care, education, technology, and human rights, among others.

The submission deadline is May 21. For more information on how to apply, visit www.ksg.harvard.edu/m-rcbg/dunlop_prize.htm.

NEWSMAKERS

Sandel to Deliver BBC's prestigious Reith Lectures

Michael Sandel, the Anne T. and Robert M. Bass Professor of Government, has been chosen by the BBC to deliver its Reith Lectures for 2009. Sandel's lectures, titled "A New Citizenship," will address the prospect for a new politics of the common good.

The Reith Lectures, considered the most prestigious public lectures in Britain, will be recorded before live audiences in London, Oxford, and Newcastle, England, and in Washington, D.C., and will be broadcast on the BBC World Service in June 2009. Sandel is the first Harvard faculty member to receive the honor since John Kenneth Galbraith in 1966.

Sandel's lecture topics include "Markets and Morals" (London), "Morality in Politics" (Oxford), "Genetics and Morals" (Newcastle), and "A New Politics of the Common Good" (Washington, D.C.). While in London, Sandel will participate in a discussion of his work with government advisers and ministers at the prime minister's residence.

Jain and Vafa honored by NAS

Rakesh K. Jain, the A. Werk Cook Professor of Radiation Oncology for Tumor Biology at Massachusetts General Hospital and a member of the affiliated faculty of the Harvard-MIT Division of Health Sciences and Technology, and **Cumrun Vafa**, the Donner Professor of Science in the Department of Physics, have been recently elected into the National Academy of Sciences (NAS) for excellence in original scientific research. They will be inducted into the Academy next April during its 147th annual meeting in Washington, D.C. Membership in the NAS is one of the highest honors given to a scientist or engineer in the United States.

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



Justin Ide/Harvard News Office

Stuart A. Kauffman offers a new theory: the idea that both the natural world (the biosphere) and social world (culture) are themselves 'ceaselessly creative' in ways that cannot be foretold, or even fully described.

(Continued from previous page)

turies to the idea that the universe is only the sum of its physical laws.

Meanwhile, he said, concepts of God have been for even longer captive to the idea that an all-powerful being is the universe's only creator and agent.

"We stand at the hinge of history," said Kauffman. On the one hand, science has failed to arrive at one set of laws that describes the physical universe — despite the early descriptive promise of Galileo, Newton, Einstein, and others.

And, on the other hand, globalization has brought the world's "30 or so civilizations" into a crushing philosophical friction, said Kauffman, challenging our multiple conceptions of the divine, and casting some religions into a defensive fundamentalism.

"All of this," said Kauffman, "requires new theory."

Kauffman offers one — the idea that both the natural world (the biosphere) and social world (culture) are themselves "ceaselessly creative" in ways that cannot be foretold, or

even fully described.

It's an idea that tempers our view that science is all-knowing, he said, and that offers a sense of the divine that could be shared across traditions.

Kauffman is a scientist to the core, and his lecture took frequent side trips into higher mathematics, statistics, and evolutionary biology.

But he lamented that since the Age of Enlightenment, science has been increasingly captive to reductionism. That's the notion that physical laws alone determine the course of the universe, that everything is describable, and that somewhere there exists a single language capable of describing it all.

Most radically, reductionism is the idea that the only reality of the universe is the reality of particles in motion — "a vast computer system," Kauffman said, capable of reducing every action we take and every emotion we feel and every idea we have to quantum events at the level of atoms and electrons.

He drew a word picture of two lovers strolling by a river. A machine of atoms and

electrons at work? "I don't think so," said Kauffman.

Instead, we live in "an open universe" so vast and creative and energetic that it denies the possibility of reduction, he said — a place so ceaselessly novel that it is "grossly non-repeating."

In this "lawless, but non-random" universe, said Kauffman, reason alone becomes "an insufficient guide to living our lives." That opens the way to intuition, imagination, stories, and metaphor as ways of knowing the world.

In turn, we can embrace "a shareable sense of God" across all traditions, he said. God, our most enduring metaphor, becomes a symbol of the creativity of the universe.

This "sense of membership" in the universe brings with it the gift of agency, said Kauffman — a sense that all humans are actors in the creative divinity of the world.

That's grounds for hope.

"Once you have agency in life," he said, "you have values; you have feelings; you have thoughts; you have moral reasoning."

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Holocaust

(Continued from previous page)

ing himself back to work after collapsing from hunger. Later, on a march from one of the camps, he was kicked so fiercely by a guard he was left sterile.

When told by a Nazi officer he must either sign a declaration renouncing his faith or he would "leave through the chimney," Engleitner said he replied, "I will neither sign, nor will I leave through the chimney. I will go home."

He was so certain that we would make it home, he bought a suitcase at the Niederhagen concentration camp, one that once belonged to a deceased prisoner, as a symbol of hope. The very same black, weathered suitcase was perched behind him against the hall's blackboard as he spoke.

In 1943, Engleitner was finally released from Ravensbrück concentration camp, under the condition that he submit to forced labor. He weighed only 62

pounds. But his suffering wasn't over. Close to the end of the war, the Nazis ordered him again to join the Germany army. Instead of complying, Engleitner fled to the mountains, where he hid for several weeks, continually hunted by Nazi officers, until the war finally came to an end.

Engleitner's visit to campus was sponsored by Harvard's Center for European Studies (CES) and the CES Undergraduate Board. The event was the beginning of a nationwide tour to promote the most recent version of the book "Unbroken Will: The Extraordinary Courage of an Ordinary Man." The tour is the third in the United States for Engleitner and Rammerstorfer. Throughout the past 10 years, the pair has traveled close to 60,000 miles in Europe and the United States, speaking at schools, universities, and Holocaust memorial sites.

In response to the question, "How did

you manage to get this old?" Engleitner replied, "I am a happy boy, I find joy in everything, [and] I don't really have time to die," adding, "I'll be back."

Rammerstorfer called his friend "the most contented man he had ever met," and said that even at his age, he is "still determined to teach us the lessons of peace and tolerance."

For Barbara Deforge, who traveled from Marion, Mass., to hear Engleitner speak, the trip was well worth it.

"When you see a person who has actually been [through the Holocaust] it makes it more real. ... I am glad I came. It was really very encouraging," she said of Engleitner's message and unbroken spirit, "and very hopeful."

Before his Science Center talk, Leopold Engleitner waits to be introduced.

Jon Chase/Harvard News Office



The ‘art’ of retirement

100-year-old founder of HILR Shakespeare Players is feted by friends and fans



Photos Stephanie Mitchell/Harvard News Office

Director, producer, centenarian Frances Addelson is moved by a surprise birthday party in her honor.

By Sarah Sweeney
Harvard News Office

“May I have your attention!” yells Bill Boone, director of the Frances Addelson Shakespeare Players at the Harvard Institute of Learning in Retirement (HILR). “Frances is in Harvard Square!”

It’s Frances Addelson’s 100th birthday, and her friends are throwing her a surprise party. But this centenarian, a 1930 graduate of Radcliffe, isn’t in for the usual reception. This party involves Shakespeare, the second guest of honor, the playwright to whom Addelson has devoted countless hours of memorizing, directing, and performing as the founder of HILR’s Shakespeare Players.

Inside the Grossman Common Room, the players silently await Addelson’s arrival. They pore over their lines drawn from “The Tempest,” “Macbeth,” and “Hamlet,” among others, and adjust their period costumes — billowing peasants’ blouses and embroidered jackets.

“It’s like the president,” whispers Jane McGrath of all the fanfare. McGrath, a member of HILR for 12 years, has enjoyed Addelson’s productions over the years, but has never acted herself. “You have to have a

voice that carries,” she says.

When finally Addelson is ushered in, the crowd stands and applauds. Addelson covers her mouth with her hands and bows in disbelief.

She is a petite woman and a snappy dresser. She carries a cane, wears a black jacket, long strands of pearls. Her hair is perfectly coiffed in a short, no-nonsense ‘do. As she moves to her seat in the front row, she’s kissed and hugged by audience members and players alike. “I can’t believe it,” she says.

Addelson joined HILR in 1985; in 2001 she founded the HILR Shakespeare Players and became its director at the age of 92; and by 2005, the group was renamed in her honor.

Boone took over as director in 2006 when Addelson’s macular degeneration hindered her duties as director. Now Addelson serves as producer, and, according to Boone, “She really produces. We work as colleagues who are on the same wavelength. She is astute, and she has a big vision for our work. She is a great manager, and won’t take no for an answer. As soon as you do the task she asks you to do, there’s another one.”

But, for once, the tasks are out of Addel-

son’s hands, and strictly for her enjoyment.

“She is indeed inhabited by the soul of the Bard of Avon,” says Paul Pemsler, member of HILR and the party’s “master of the revels.” “We can honor Frances best by performing for her, and she can thank us best by performing for us.”

And with that, Jim McArdle, a white-bearded man in a lilac robe, takes the stage. “If music be the food of love, play on!” he announces.

And this is how the party goes: One by one the players recite soliloquies or pair up to perform scenes — there’s Rosalind and Orlando in “As You Like It,” Lady Anne and Richard in “Richard III,” and Lady Macbeth and the Doctor — or Nancy Wolcott and Marty Aronson — in “Macbeth.”

Wolcott wears a crimson velvet robe and carries a candlestick; she is to perform Lady Macbeth’s famous sleepwalking scene. The crowd is utterly quiet as Wolcott speaks, her eyes squinted, her face contorted. “Out, damned spot! Out, I say!”

“She is a trained actress,” whispers McGrath.

Addelson watches, motionless; she is hooked.

“To bed, to bed! There’s knocking at the

(See **Addelson**, page 19)



Bill Boone (above from left), Kitty Beer, Mimi Hooper, and Susan Thomas honor Frances Addelson by staging a spirited scene from ‘Henry IV.’



Courtesy of Katherine Bennett

New research helps explain how the pitcher plant, *Sarracenia purpurea*, attracts prey.

Nectar nurtures pitcher plant’s eating habits

By Alvin Powell
Harvard News Office

New research from the Harvard Forest shows that carnivorous pitcher plants use sweet nectar to attract ants and flies to their water-filled traps, not color, as earlier research had indicated.

The work, which was among the first to experimentally examine the role of nectar in attraction by pitcher plants in the field, not only served to advance understanding of insect-eating plants, it also helped to improve science education at local schools. It was conducted as part of a National Science Foundation-funded program to enrich science training of local schoolteachers.

research The research, published Wednesday (May 6) in the journal *Biology Letters*, was conducted by Katherine Bennett, a fourth- and fifth-grade math and science teacher at J.R. Briggs Elementary School in Ashburnham, Mass., under the guidance of Aaron Ellison, senior ecologist and senior research fellow at Harvard Forest.

Ellison, who has worked on carnivorous plants for more than a decade, said the work was spurred in part by Bennett’s interest and in part by a journal article Ellison had seen that concluded that color was the main prey attractant in a group of pitcher plants studied in a greenhouse in Germany. That study, which didn’t control for the presence of sweet nectar in the plants and which found that flies were the major prey, didn’t agree with the observations Ellison had made over his years studying the plants in the field. Ants, not flies, are the plants’ main prey, he said, and ants can’t see color, two facts that made him suspicious of the earlier results.


Bennett meanwhile, was working at the Harvard Forest in a National Science Foundation-funded citizen-scientist program. She spent a season working with Ellison on ant inventories, and, in her second season, her initial idea for an independent project fell through, so Ellison set her to work studying pitcher plant prey attraction.

Pitcher plants live in boggy areas where their carnivorous habits help compensate for the nutrient-poor soil. They are called “pitcher” plants because they are shaped like a slender pitcher or vase whose base is filled with rainwater spiked with digestive

(See **Plants**, page 18)

Covering the Congo

Researchers from the Harvard Humanitarian Initiative (HHI) have been working in the Democratic Republic of the Congo for several years examining the roots of the violence against women that has plagued this war-torn region.



A team from the Harvard News Office traveled with HHI researchers in February to document their ongoing work. The full package of videos, photos, and stories is available on the Harvard World Media Web site at www.news.harvard.edu/hwm. Stories and photos from the project will run periodically in the Harvard Gazette.

Harvard World Media
<http://www.news.harvard.edu/hwm/congo/>

Videos

DRC History



HHI — Panzi Partnership

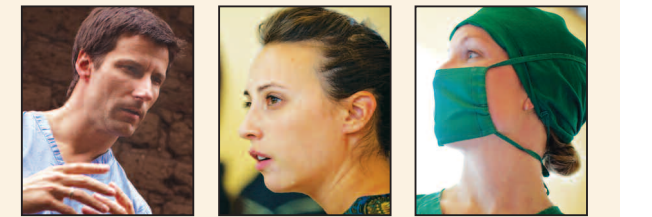


Just here suffering



To learn more about the researchers
<http://www.news.harvard.edu/hwm/congo/>

- Michael VanRooyen:** Rebuilding places that peace abandoned
- Jocelyn Kelly:** Seeking the whole picture of Congo violence
- Jennifer Scott:** Being there for atrocity's survivors



Congo

(Continued from page 1)

The researchers are also engaged in a project that focuses on the military men who are responsible for many of these assaults. In a pilot program they hope to expand to encompass as many combatants as possible, researchers travel to remote villages to talk to rank-and-file soldiers. Researchers acknowledge there is risk involved, but say they take appropriate precautions and rely heavily on local partners who have solid contacts, both in the community and in the military's command structure. The work is essential, researchers say, if the problem is to be truly understood.

"I know people make assumptions that [those] who do this are monsters, but if you close your mind to possible reasons people commit atrocities, you're never going to understand why they happen," said Jocelyn Kelly, research coordinator for HHI's Gender Based Violence Program and the lead researcher probing soldiers' attitudes.

Understanding what's going on in the DRC — the vast, turbulent nation that occupies Africa's heart — is key if the problem is to be solved, according to HHI Co-Director Michael VanRooyen, associate professor of global health and population at the Harvard School of Public Health, associate professor of medicine at Harvard Medical School, and director of Harvard-affiliated Brigham and Women's Hospital's Division of International Health and Humanitarian Programs.

The fighting in the eastern DRC began with a 1996 rebellion that ultimately led to the overthrow of longtime dictator Mobutu Sese Seko. A second conflict that began in 1998 led to the overthrow of his successor, Laurent Kabila, and claimed millions of lives, largely through disease and starvation. That second conflict ultimately involved eight African nations and has become known as "Africa's World War." Though a 2002 peace treaty ended the fighting across much of the nation, it has continued in the mineral-rich east.



In a program they hope to expand to encompass as many combatants as possible, HHI researchers travel to remote villages to talk to rank-and-file soldiers.



Records show that no age is safe from the region's gender-based violence, with attacks reported on girls as young as 3 and women as old as 80. The beauty of the countryside belies the horrors taking place in the DRC. Once admitted, the women who are victims of sexual violence undergo treatment that often includes surgery to repair internal injuries.

The ongoing violence has alarmed the international community. Some relief and aid organizations have been operating in the eastern border region for over a decade, along with troops from MONUC, the United Nations peacekeeping mission, which has been there since 1999.

While the relief work is under way, VanRooyen said there have been few efforts to systematically gather data that can inform relief, recovery, and rehabilitation programs. That's where HHI comes in, he said.

"By looking at the data, we can learn things that the international community doesn't know about how to characterize this abuse," VanRooyen said. "We can learn from the data where the women come from, the types of militia involved, what happened afterward — whether they were rejected by their communities, which is a huge vulnerability — and how many women have physical problems related to their assault, such as incontinence and chronic pain."

HHI was founded in 2005 to do just such work. VanRooyen — an emergency physician with a long resume of relief work in crisis areas such as Kosovo, Rwanda, and Darfur — and Jennifer Leaning, professor of the practice of global health at the Harvard School of Public Health and a human rights expert who also has long experience in disaster and crisis situations, came together to found the organization.

The two believed there was a disconnect between the hands-on crisis management practiced by relief organizations and the dispassionate collection of data and information that highlights the academic endeavor. Marrying the two, Leaning and VanRooyen believed, would provide an avenue for improving humanitarian and human rights work by both informing ongoing programs and collecting a body of best practices that groups in the field could draw upon.

Since its founding, HHI has worked in trouble spots around the globe, such as Sudan's Darfur region, and has ongoing projects with roughly 20 nongovernmental organizations, such as Doctors Without Borders,

CARE, and Oxfam.

"We work with their data, analyze it, and get [the results] back to them," VanRooyen said. "At any one time we'll probably have two or three students, faculty, or fellows in the field."

As a University initiative rather than a School-based program, HHI seeks to draw on Harvard's strengths in a broad array of disciplines by working with faculty in several Schools. Today, HHI has a core of 10 faculty members and 12 to 14 fellows.

An oasis from the violence

HHI's project in the Democratic Republic of the Congo began as an effort to support the mission of a hospital in the provincial capital of Bukavu. Panzi Hospital was founded in 1999 to provide maternity care to the region's women. It quickly became apparent, however, that something sinister was affecting the area's mothers, daughters, and sisters.

"Our first patient was not a woman who needed care because of pregnancy. She was a victim of sexual violence and she was fractured and destroyed in the pelvic region and in the region of the vagina," said Denis Mukwege, a Congolese gynecologist and the hospital's founder. "We saw the numbers increasing, increasing, and increasing and now our clinic sees more than 3,000 women a year."

HHI's collaboration with Panzi began after HHI visiting scientist Julie VanRooyen met Mukwege during a trip to New York. In their talk and in his subsequent speech at New York University Law School, Mukwege detailed the plight of the eastern DRC's women.

"I heard the stories he was telling and I just couldn't go back to Boston and pretend I hadn't heard them. I couldn't forget about them and I really felt compelled to try to do something about them," said VanRooyen, a urogynecologist and pelvic surgeon.

The story she heard was of a seemingly inexhaustible stream of victims

of sexual violence coming to the hospital with terrible injuries from their attacks. The hospital averages roughly 10 admissions from sexual violence each day, week in, week out, year in, year out.

Once admitted, the women's treatment often includes surgery to repair internal injuries. The violent rapes can tear the tissue separating the vagina from the bladder or anus. The result is incontinence, with the women constantly leaking urine or feces until the tears, called fistulas, are repaired.

"Sadly, the weakest can't get to us," Mukwege said. "They are suffering from paralysis, from broken legs, from compound fractures, and so they're not able to walk to us."

HHI's clinical program at Panzi, administered through Brigham and Women's Hospital, aims to support Panzi's surgical staff. The HHI program brings highly skilled surgeons both to further train Panzi's doctors and to augment the staff's expertise.

While important, the clinical program was quickly joined by the research initiative, which has the potential to affect far more lives.

"We can keep sending doctors over and they can keep repairing fistulas, but ultimately, we're putting a huge Band-Aid over a terrible wound," said Julie VanRooyen, who directs HHI's clinical program with Panzi. "It's so much better to prevent the fistulas in the first place."

Records of terror in black and white

In February 2009, Imani — a pseudonym used to protect her identity — was again at Panzi Hospital. Though it had been 10 years since her rape by the Interahamwe at age 15, she had found it difficult to put the experience behind her. The firestorm of sexual violence wracking the region's women had found her again and again. The most recent attack, in November 2008 in the city of Goma, was the fourth time it had happened.

A few hundred yards from where Imani sat is the office of PMU Inter-

Photos Justin Ide/Harvard News Office

life, the humanitarian and development arm of the Swedish Pentecostal Church, which is helping support Panzi and HHI's research mission there. One wall of the office is filled with shelves holding row after row of thick, 3-inch binders filled with thousands upon thousands of intake forms from victims of sexual violence.

When the women are admitted, intake workers fill out forms on which they describe the attack, with details such as the woman's age; the date, location, and nature of the assault; and whatever description of the assailants the women can provide.

The records review has so far encompassed more than 1,000 cases from 2006 and is expanding to include other years. It — and other projects at Panzi — has been conducted by a team that includes Kelly, who is a Harvard School of Public Health graduate, Jennifer Scott, a resident in obstetrics and gynecology at Beth Israel Deaconess Medical Center (BIDMC); Susan Bartels, associate director of the International Emergency Medicine Fellowship at BIDMC; and Sadia Haider, division director of family planning at BIDMC.

The records show that no age is safe, with attacks reported on girls as young as 3 and women as old as 80. They reveal that while women in other countries are most vulnerable when they leave home — going to the market or the river to get water, for example — that isn't the case in the DRC. There, half of all attacks occurred at night in a woman's own home.

"If a woman can't feel safe at home, while sleeping with her husband and children, where can she feel safe?" asked Scott.

Other results show that women wait for months before seeking medical care, with an average time between an attack and arrival at Panzi of 16 months. Six percent of women reported becoming pregnant from their rape and 12 percent were concerned about sexually transmitted diseases or HIV/AIDS. Twenty-three percent of women lost possessions while just over one in 10 lost a child or husband.

The research into the roots of the DRC's gender-based violence has caught the attention of policymakers at the highest level. Kelly and Michael VanRooyen last year spoke with representatives of the United Nation's Security Council to discuss their work and to suggest the kinds of information the council might seek to inform future action.

The focus on the Congo — by HHI and a host of other organizations — has begun to pay dividends, VanRooyen said. In June 2008, the Security Council redefined sexual violence in the eastern DRC from a human rights issue to a security one, making it a candidate for Security Council review and action.

"Our goal is to ... better characterize the sexual violence happening in the Congo," VanRooyen said. "We can bring it ... to many organizations that work in the area, to serve victims of sexual violence and rape."

In Imani's case, her physical injuries were healing under the care of Panzi's physicians, though the HIV she contracted in one assault will require lifelong treatment. Her psychological wounds remain deep, however. She talks of suicide and of anger toward her only child, a little girl born from another of the attacks.

Orphaned herself by the violence and with one dead sister, Imani doesn't know the whereabouts of her remaining family. When it is time to leave the hospital, she doesn't know where she'll go or what she'll do.

Imani speaks of the life she wanted and now believes she'll never have: with a husband and children born of love, not violence. In the eastern DRC's traditional society, both she and her child are seen as contaminated, and her marriage prospects are poor. Her only family now is a child who reminds her of the most horrible days of her life.

"At night when I sleep, I cry," said Imani. "You see, my life is just rape, every day."

Part II: Talking terror

Planets

(Continued from page 1)

number that may explain why 30 years of scanning the skies for signs of intelligent life has come up empty.

"I'm not very optimistic," Verschuur said.

Verschuur was a speaker at "Crossroads: The Future of Human Life in the Universe," a three-day symposium sponsored by the Harvard-Smithsonian Center for Astrophysics (CfA), the Smithsonian Institution, the Harvard Origins of Life Initiative, and the Cambridge Science Festival.

The event kicked off April 30 with a showing of a popular science fiction movie, "Colossus: The Forbin Project," before diving into more serious material on May 1-2. Topics included finding habitable planets, the rise of artificial life, human travel to Mars, and the idea that life might have a self-destructive streak. Speakers included Verschuur, J. Craig Venter, Freeman Dyson, Peter Ward, Andy Knoll, Dimitar Sasselov, Maria Zuber, David Charbonneau, Juan Enriquez, and David Aguilar.

Sasselov, professor of astrophysics at Harvard and director of the Harvard Origins of Life Initiative, agreed with Verschuur that life is probably common in the universe. He said that he believes life is a natural "planetary phenomenon" that occurs easily on planets with the right conditions.

As for intelligent life, give it time, he said. Though it may be hard to think of it this way, at roughly 14 billion years old, the universe is quite young, he said. The heavy elements that make up planets like Earth were not available in the early universe; instead, they are formed by the stars. Enough of these materials were available to begin forming rocky planets like Earth just 7 billion or 8 billion years ago. When one considers that it took nearly 4 billion years for intelligent life to evolve on Earth, it would perhaps not be surprising if intelligence is still rare.

"It takes a long time to do this," Sasselov said. "It may be that we are the first generation in this galaxy."

Several speakers hailed the March launch of NASA's Kepler space telescope, which is dedicated to the search for Earth-like planets orbiting other stars. Several Harvard-Smithsonian Center for Astrophysics faculty members, including Sasselov, are investi-



Photos Stephanie Mitchell/Harvard News Office

Fisher Professor of Natural History Andrew Knoll (above) describes the beginnings of life on Earth. Radio astronomer Gerrit Verschuur (below) describes the chances of the existence of intelligent life in the universe capable of communicating with humans.



gators on the telescope mission.

Sasselov said he expects Kepler to quickly add to the 350 planets already found or-

biting other stars. By the end of the summer, he said, it may have found more than a dozen "super Earths" or planets from Earth-size to just over twice Earth's size that Sasselov expects would have the stability and conditions that would allow life to develop.

If life did develop elsewhere, Andrew Knoll, the Fisher Professor of Natural History, used the lessons of planet Earth to give an idea of what it might take to develop intelligence. Of the three major groupings of life: bacteria, archaea, and eukaryotes, only

the eukaryotes developed complex life. And even among the myriad kinds of eukaryotes, complex life arose in just a few places: animals, plants, fungi, and red and brown algae. Knoll said he believes that the rise of mobility, oxygen levels, and predation, together with its need for sophisticated sensory systems, coordinated activity, and a brain, provided the first steps toward intelligence.

It has only been during the past century — a tiny fraction of Earth's history — that humans have had the technological capacity to communicate off Earth, Knoll said. And, though Kepler may advance the search for Earth-like planets, it won't tell us whether there's life there, or whether there has been life there in the past.

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Plants

(Continued from page 15)

enzymes. The sweet nectar is produced on the pitcher's outside and on its lip, where it not only attracts insects, but it also serves as a lubricant, helping prey slip inside. The pitcher's inside surface is slick and waxy, and covered with tiny, downward-facing hairs that serve to keep prey from escaping the water below.

Once an ant or fly falls into the trap, it drowns and sinks to the bottom where it decomposes, making its nutrients available to the plant.

To find out what was going on with the plants, Bennett and Ellison created 70 artificial pitcher plants using 50 milliliter tubes. They painted them red and green, the colors found on natural plants, but varied the coloration from all red to all green, with different proportions in between. They filled the artificial pitchers with ethanol, a liquid commonly used in insect capture, and spread thickened sweet corn syrup in patterns on some of the fake pitcher plants. They then planted the artificial plants near real pitcher plants in Tom Swamp, a bog that is part of Harvard Forest in Petersham, Mass.

They compared the results from the artificial pitchers with 25 natural plants that had had their liquid suctioned out and replaced with distilled water to control for the possibility that prey were attracted by the scent of decaying insects inside.

The results, Ellison said, were about as clear as

they get. Natural pitcher plants caught 357 insects while the pseudo-pitchers with the sweet syrup caught 344. The pseudo-pitchers without the sweetener, by contrast, caught only 62 insects.

"The results showed that plastic pitchers with sugar catch the same amount of ants and flies as natural pitcher plants, and if you take the sugar away, nothing gets captured," Ellison said.

The work, Ellison said, furthers an argument that has continued for 100 years over how pitcher plants attract their prey. Despite those clear-cut results, however, the argument isn't yet entirely settled. Because the plants' coloration occurs in elaborate patterns of red veins — patterning that was not explored in the current work — experts in the field have suggested the need for further exploration of the interplay between nectar and color.

Thus, Ellison and Bennett will focus this summer on the exact location of the nectar on the plants to see if the red vein pattern serves some yet unseen purpose.

In the meantime, Bennett and her students continue to reap the benefits of her involvement. Bennett said she got involved in research at Harvard Forest to improve her science teaching, but said the work was also personally rewarding. Though moving through the bog was challenging, she said the quiet days there were peaceful.

"I wanted to get involved because I love teach-



Photo by Primrose Boynton

ing science, but I felt I was lacking in science knowledge," Bennett said.

Since she began working at the Harvard Forest four years ago, Bennett has taught units on ants and on forest ecology, aided by advice from Ellison.

"Anytime I have a question, we know where the experts are," Bennett said. "This has made me a much better a science teacher."

Elementary school teacher Katherine Bennett conducted research into the pitcher plant.

Addelson



Stephanie Mitchell/Harvard News Office

As part of her birthday festivities, Frances Addelson performs a scene from 'King Lear' for her friends.

(Continued from page 15)

gate:/ come, come, come, come, give me your hand. What's/ done cannot be undone. — To bed, to bed, to bed!" exclaims Wolcott in her final lines. Addelson leaps from her chair to kiss her.

Addelson studied psychology and sociology at Radcliffe. From there she earned a degree in social work from Simmons College, and was employed as a social worker at the Reformatory for Women in Framingham, Mass. Long before Roe v. Wade, Addelson advocated for abortion rights for women with mental health issues while working at Beth Israel Hospital.

When she talks of her age, one can sense both the reward and curse of a century's experience. It is, perhaps, Addelson's work at HILR that keeps her going.

"I really don't recommend it," says Addelson of living to be 100. "There are so many pitfalls, so many losses of loved ones, of my contemporaries. ... And so many aches and pains that you have to respond to because the body is claiming, 'Enough already!'"

"But there are some nice things, and those I want to tell you about. First, you get a certain glamour that you never knew you had. When you go to any medical facility, they want to know what the secret is."

When Addelson performs, she is a compact thunderstorm, a force. She recites King Lear with such gusto that her body lurches with the words, her voice vibrates; one forgets she is not the doomed King of England.

"Let it be so; thy truth, then, be thy dower:/ for, by the sacred radiance of the sun,/ the mysteries of Hecate, and the night;/ by all the operation of the orbs/ from whom we do exist, and cease to be;/ here I disclaim all my paternal care,/ propinquity and property of blood,/ and as a stranger to my heart and me/ hold thee, from this, for ever."

The crowd calls bravos as Addelson shoos away the applause. This isn't just a group of Shakespeare-reading senior citizens, this is a community. The affection and admiration for Addelson and her work are evident in each face. Mostly there are smiles, and some tears. When Addelson recites King Lear — playing both him and the part of Cordelia — the crowd seemingly does not breathe. When she's done, there is an audible collective sigh.

"I expected something, but never this," says Addelson.

"Pretty soon there will be a surge of centenarians," she says knowingly. "Members of the HILR and Shakespeare players will be the leaders in the art of retirement."



Photos Jon Chase/Harvard News Office

T.M. Chang Professor of China Studies William C. Kirby, who organized the conference, makes introductory remarks.

'Enormous changes' in thirty years

Scholars at Harvard conference assess the People's Republic on its 60th anniversary

By Amy Lavoie

FAS Communications

In Chinese culture, the 60th birthday is an auspicious event. At that age, it is said that a person is at ease.

As the People's Republic of China prepares to celebrate its 60th anniversary in October 2009, scholars gathered at Harvard University to ask: At 60, is the People's Republic of China finally at ease?

"There have been changes in Chinese society that would have seemed inconceivable 30 years ago," said William C. Kirby, who organized the conference. Kirby is the T.M. Chang Professor of China Studies in the Faculty of Arts and Sciences, and Spangler Family Professor of Business Administration at Harvard Business School. "There have been enormous changes to society, to the economy, to the standard of living, and to personal mobility. Yet at the same time, there are still certain levels of continuity in the political structure; after all, it's still a one-party state under the rule of the Chinese Communist Party."

More than 30 scholars from across the University and around the world gave presentations on "Politics," "Culture, Belief and Practice," "Social Transformation," and "Wealth and Well-Being" at the Center for Government and International Studies May 1-3. The Fairbank Center for Chinese Studies at Harvard sponsored the conference.

In his opening remarks, Kirby, also the director of the Fairbank Center, explained that the conference was concerned with assessing the health and longevity of the People's Republic of China as a living system.

According to Kirby, China's recent history can be divided into the first 30 years, under the rule of Mao Zedong, and the second 30 years, during which Chinese diplomatic relations opened to the West and the country experienced sustained economic growth. The differences between these two chronological periods and China's recent transformation were addressed in many of the presentations.

"You have enormous discontinuities between a first 30 years of Maoist revolution, a Stalinist political system, and com-



Historian Henrietta Harrison speaks about globalization and shifting attitudes toward religion in China.

parative international isolation," said Kirby. "This was followed by something that could not have been easily predicted — economic growth in such a large population, such a large country, the likes of which the world has never seen and could not have anticipated."

With scholars from the United States and China, as well as Canada, Hong Kong, Taiwan, and Europe, the conference offered a broad international perspective on where China has been and where it might be going.

At the conference, Elizabeth Perry, Henry Rosovsky Professor of Government, spoke of the numerous predictions of the Chinese government's imminent demise in the past 20 years, and the reasons the government has persisted. She explained that the government has grown increasingly adept at dealing with leadership changes and public protests.

"The regime has not only weathered potentially destabilizing leadership changes, but it has also, at the same time, presided over the fastest sustained economic transition in world history," said Perry.

In a session titled "Health, Environment and Social Change in China," Michael McElroy, Gilbert Butler Professor of Environmental Studies, presented on possibilities for wind-generated electricity. In 2006, China pulled ahead of the United States to become the largest national

emitter of harmful gases into the atmosphere. China's growth, McElroy explained, demands energy, and China is facing international pressure to reduce its carbon dioxide emissions. "China and the U.S. face a common problem, with potentially common solutions," McElroy said.

Addressing "Communities of Faith and Ethnicity," Henrietta Harrison, professor of history, spoke about globalization and

shifting attitudes toward religion in China. Harrison explained that 1960s Chinese anti-Catholic propaganda cast religion as a tool of "slave society" that impedes progress.

"Global religions are by definition transnational," said Harrison. "And that's always been a problem for nation-states, because nations wish to make the nation the primary focus of loyalty."

Harrison went on to explain that the growth of transnational religions, such as Catholicism or Christianity, is part of China's increasing globalization.

"Global religions are part of the making of the modern world," she said. "Their transnational nature is part of their appeal. Membership in a transnational religion is both an aspect of modernity and an aspect of globalization."

On Sunday, the final day of the conference, a panel of historians discussed possible future directions for the People's Republic in comparison to successful dynasties throughout China's history.

"This is the history, not just of a country, it's the history of a fifth of mankind, a fifth of the world's population," said Kirby. "It's the history of the longest continuous civilization on earth, one that was without question the greatest and wealthiest civilization on earth in the 18th century, and may be poised to resume that position in the 21st."

amy-lavoie@harvard.edu

Lack of sleep is easier on older adults than others

In a recent sleep study testing alertness and performance in sleep-deprived adults, researchers at Brigham and Women's Hospital (BWH) determined that healthy older adults handle sleep deprivation better than younger adults. The findings appeared online on May 3, in an advance online edition of the *Journal of the American Geriatrics Society*.

After an extended period of wakefulness, older participants were less impaired by sleep deprivation, showed faster reaction times and fewer performance lapses, paid better attention, and had less frequent unintentional sleep episodes than their younger counterparts.

"Even very healthy adults like those in our study see a decline in sleep quality and duration as they age," said Jeanne Duffy of the Division of Sleep Medicine at BWH. Duffy is also an assistant professor of medicine at Harvard Medical School. "And it is often assumed that daytime sleepiness in older adults is the result of the typical changes in nighttime sleep that come with age."

However, the researchers found that aging in healthy adults is not associated with daytime sleepiness, and in fact healthy, older adults show less impairment under sleep deprivation than younger adults.

The five-day sleep study of 26 healthy young adults (aged 18-29) and 11 healthy older adults (aged 65-76) consisted of three nights of eight hours of sleep followed by a 26-hour episode of wakefulness. During the 26 hours of wakefulness, participants remained sitting in bed and had a staff member in the room to help them remain awake, and were not allowed to exercise or drink caffeinated beverages.

Throughout the 26 hours of wakefulness, the study participants were asked to rate their alertness twice per hour, their attention was assessed every two hours, and an electroencephalogram and electrooculogram were recorded continuously to monitor inadvertent sleep episodes and failures to pay attention.

"Many survey studies find greater levels of daytime sleepiness in older adults, yet our current research demonstrates that daytime sleepiness in older adults should not be attributed to a normal consequence of the aging process," said Duffy. "Rather, daytime sleepiness may instead be a result of a number of other potential factors, such as chronic medical conditions, undiagnosed sleep disorders, or side effects of medications older people may be taking." Older adults who fall asleep accidentally during the day or early evening should be evaluated for the underlying cause of their sleepiness.

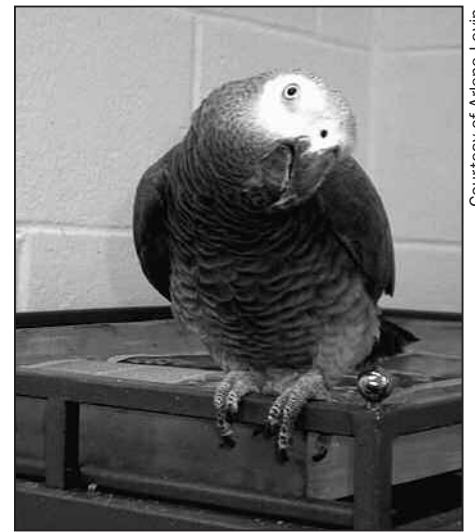
The research was supported by grants from the National Institutes of Health.

Katherine C. Cohen/Harvard News Office



Adena Schachner has written a paper showing that some animals other than humans, such as parrots, are capable of entrainment. Alex (below) was one of the study's volunteers.

Parrots can dance as well as talk, leading to possible evolutionary link



Courtesy of Arlene Levin

Vocal mimicking, sense of rhythm tied

By Amy Lavoie
FAS Communications

Researchers at Harvard University have found that humans aren't the only ones who can groove to a beat — some other species can dance, too. The capability was previously believed to be specific to humans. The research team found that only species that can mimic sound seem to be able to keep a beat, implying an evolutionary link between the two capacities.

The study was led by Adena Schachner, a doctoral candidate in psychology at Harvard, and is published in the current issue of *Current Biology*. Schachner's co-authors are Marc Hauser, professor of psychology at Harvard; Irene Pepperberg, lecturer at Harvard and adjunct associate professor of psychology at Brandeis University; and Timothy Brady, a doctoral candidate at the Massachusetts Institute of Technology.

Schachner and her colleagues closely studied Alex, a well-known African grey parrot who passed away shortly after the study, and Snowball, a sulphur-crested cockatoo whose humanlike dancing behavior has led to online fame.

"Our analyses showed that these birds' movements were more lined up with the musical beat than we'd expect by chance," says Schachner. "We found strong evidence that they were synchronizing with the beat, something that has not been seen before in other species."

The researchers noted that these two birds had something in common: an excellent ability to mimic sound.

"It had recently been theorized that vocal mimicry might be related to the ability to move to a beat," says Schachner. "The particular theory was that natural selec-

tion for vocal mimicry resulted in a brain mechanism that was also needed for moving to a beat. This theory made a really specific prediction: Only animals that can mimic sound should be able to keep a beat."

To test this prediction, Schachner needed data from a large variety of animals — so she turned to a novel source of data, the YouTube video database. Schachner systematically searched the database for videos of animals moving with the beat of the music, including vocal mimics such as parrots and vocal nonmimics such as dogs and cats.

genetics Schachner analyzed the videos frame-by-frame, using the same analyses applied to the case-study birds. Criteria included the animal's speed compared with the speed of the music and alignment with individual beats. Potentially "fake" videos, where music was added to the video after the fact, or the animal was following visual cues, were omitted.

"The really important point is that many animals showed really strong evidence of synchronizing with the music, but they were all vocal mimics," says Schachner. "Most of them were parrots — we found 14 different species of parrot on YouTube that showed convincing evidence that they could keep a beat."

Because only animals capable of vocal mimicry — such as parrots — appear to be able to keep a beat, the study implies an evolutionary link between vocal mimicry and this crucial part of dance.

"Our data suggests that some of the brain mechanisms needed for human dance originally evolved to allow us to imitate sound," says Schachner.

It is important to note that vocal mim-

icry alone is not enough for a bird to keep a beat, although the researchers aren't yet certain why some parrots can dance and not others. It may be that all parrots have a latent capacity, but need certain experiences or social motivation, according to Schachner.

Schachner says that these birds do not seem to move in synchrony with sounds in the wild, and so the behavior could not have evolved as a result of direct natural selection. For this reason, in bird species this capacity must be an evolutionary byproduct of something else, says Schachner, seemingly vocal mimicry.

It may be, says Schachner, that the human ability to keep time with music has also evolved as a byproduct of vocal mimicry. She points out that the cognitive processes needed for both actions are related.

"In both vocal mimicry and entrainment," says Schachner, "you're taking in auditory input, and constantly monitoring not only your output but also the sound input. This allows you to fix your output in real time, to better resemble or line up with what you hear. For example, if you are tapping to a beat, you constantly monitor the sound and your taps, so that if you become misaligned with the beat, you immediately change your timing. If you are imitating a sound, you constantly monitor your memory of the sound you are trying to imitate, as well as the sound you are producing, so if you notice a difference, you can change your vocalization. So it seems plausible that vocal mimicry and keeping a beat might rely on some of the same mechanisms."

The research was funded by the McDonnell Foundation.

Calendar

Events for May 7-21, 2009



'Jamietron!' features pen, pencil, and crayon drawings by Jameson Violette, age 8, of people from TV shows and people in his life. The exhibit is on view in the Holyoke Center Arcade through May 27. There will be an opening reception Friday, May 8, 5-7 p.m. See exhibitions, page 23.

ABOVE: 'Bourne Ultimatum,' pen on paper, 2009

concerts

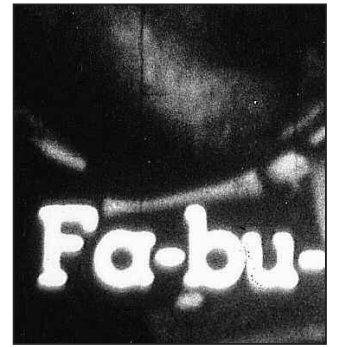
Fri., May 8—"Noteables Spring Concert." (Harvard Noteables) Concert by the Noteables. Lowell Lecture Hall, 17 Kirkland St., 8 p.m. Tickets are \$8 general; \$6 students/senior citizens. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

Sat., May 9—"Mendelssohn's 'Elijah.'" (Harvard Box Office) Brookline Chorus presents performance on Mendelssohn's 200th birthday featuring soloist David Kravitz in title role. Sanders Theatre, 8 p.m. Tickets are \$30 general; \$25 students/senior citizens; WGBH and Coolidge Corner Theatre members 10 percent off. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

Sat., May 16—"Back Bay Choral 35th Anniversary Concert: Brahms & Wachner." (Harvard Box Office) BBC presents Brahms' "German Requiem" and the premiere of a major new work by former BBC music director composer Julian Wachner. Sanders Theatre, 8 p.m. Tickets are \$45/\$35/\$25 general; \$5 off students/senior citizens. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

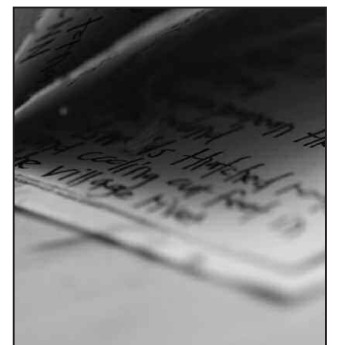
Sun., May 17—"Haydn, Stabat Mater." (Harvard Box Office) Masterworks Chorale presents Haydn's seldom-performed music. Sanders Theatre, 3 p.m. Tickets are \$42/\$30/\$20 general; \$3 off WGBH members/groups 10+; student rush \$5 cash only, available 1 hour prior to concert. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

Inside



Virtual Marker

Join a virtual tour of Second Life
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Bookies

See the work of student book artists
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What lies beneath

Discover New England underground
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Sun., May 17—"Haydn, Beethoven, Brahms." (Harvard Box Office) Boston Chamber Music Society presents program of chamber music. Sanders Theatre, 7:30 p.m. Tickets are \$50/\$40/\$30/\$20 general; \$8 tickets in the \$30-20 sections students; \$4 off senior citizens, WGBH, MTA members; \$4 off O&I (at Harvard Box Office); student rush \$5 cash only, 1 hour prior to concert. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

dance

Fri., May 8-Sat., May 9—"In Case of Emergency." (Harvard-Radcliffe Modern Dance Company) Annual spring performance featuring a wide range of choreography as well as guest choreographers Larissa Koch '08-'09 and Brenda Divilbliss. Harvard Dance Center, 60 Garden St., 7 p.m. Tickets are \$5. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

Fri., May 8-Sat., May 9—"Streets Show." (Mainly Jazz Dance Company) Dance performances featuring student and professional choreography, as well as guest performance by the Harvard

(Continued on next page)

(Continued from previous page)
Breakers. Adams House Pool Theatre, 13 Bow St., 8 p.m., with a 2 p.m. matinee on Sat. Tickets are \$8. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

Sat., May 9—**“Time Steps.”** (TAPS) Performance by Harvard TAPS, featuring music from the 1920s to the present, and guest performances by Harvard Din & Tonics, Harvard Ballroom Dance Team, and Corcairdhearg: Harvard College Irish Dancers. Lowell Lecture Hall, 17 Kirkland St., 8 p.m. Tickets are \$10 general; \$5 students/senior citizens. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

theater

Agassiz Theatre
Through Sun., May 10—**“Big River.”**
—*Performances take place in Agassiz Theatre, 10 Garden St., 8 p.m., with 2 p.m. matinees on Sat. and Sun. Tickets*

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.

are \$12 general; \$8 students/senior citizens. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

American Repertory Theater
Sat., May 9–Sun., June 7—**“Romance”** is David Mamet’s courtroom farce that takes no prisoners in its quest for total political incorrectness.
—*Performances take place at Loeb Drama Center Main Stage, 64 Brattle St., various times. Some dates have pre-play discussions and matinees, see Web site for full schedule. Tickets are \$25-79 general; students \$25 advance purchase, \$15 day of performance. 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., May 14—**“Under 35 Night.”** Post-show mingling at Sandrine’s Bistro.
Fri., May 22—**“OUT at A.R.T. Night.”** For the GLBT community. Post-show mingling at Sandrine’s Bistro.

Harvard-Radcliffe Dramatic Club
Through Sat., May 9—**“Tis Pity She’s a Whore”** directed by Olivia Benowitz.
—*Performances take place at Loeb Drama Center Ex, 64 Brattle St., times TBA. Ticket prices TBA. Tickets are available through the A.R.T. Box Office (617) 547-8300, in person at the Loeb Drama Center Box Office, or www.amrep.org.*

film

Brazil Studies Program, DRCLAS
Film screenings take place in Tsai Auditorium, CGIS South, 1730 Cambridge St. www.drclas.harvard.edu.
Tue., May 12—Ainouz’s **“Madame Sata”** (2002) at 6 p.m.

Dudley House Film Series
Films are screened in the Graduate Student Lounge, Lehman Hall, Harvard Yard. Admission is free. Films are shown on a big-screen TV.
Fri., May 8—**“Fred Astaire and Ginger Rogers 75th Anniversary Festival.”** “Puttin’ on His Top Hat” at noon; “Follow the Fleet” at 1:45 p.m.; “The Story of Vernon and Irene Castle” at 4:15 p.m.; “Top Hat” at 6:15 p.m.; and “Swingtime” at 8 p.m.

Harvard Film Archive
All films are screened in the Main Auditorium of the Carpenter Center for the Visual Arts, 24 Quincy St. Video presentations are presented in B-04, a smaller auditorium next to the main auditorium. Programs are subject to change; call for admission charges and details. The Film Archive publishes a schedule of films and events that is available at the Carpenter Center. (617) 495-4700, <http://hcl.harvard.edu/hfa/>.
Thu., May 7—No screenings
Fri., May 8—No screenings
Sat., May 9—Marker’s **“The Case of the Grinning Cat”** and **“Sans Soleil”** at 7 p.m.
Sun., May 10—Marker’s **“A Grin Without a Cat”** at 7 p.m.
Mon., May 11—Marker’s **“The Embassy,” “The Sixth Side of the Pentagon,”** and **“Sans Soleil”** at 7 p.m.
Tue., May 12—No screenings
Wed., May 13—No screenings
Thu., May 14—No screenings
Fri., May 15—Romero’s **“Dawn of the Dead”** at 9 p.m.
Sat., May 16—**“A Live Event with Chris Marker”** at 7 p.m.
Sun., May 17—Jean-Pierre and Luc Dardenne’s **“The Child”** and **“When the Boat of Léon M. Went Down The Meuse River for the First Time”** at 7 p.m.
Mon., May 18—Jean-Pierre and Luc Dardenne’s **“Falsch”** and **“Look at Jonathan”** at 7 p.m.
Tue., May 19—No screenings
Wed., May 20—No screenings
Thu., May 21—No screenings
Fri., May 22—No screenings

Real Colegio Complutense
Films are presented at Real Colegio

Complutense, 26 Trowbridge St., in Spanish with English subtitles. Free and open to the public. (617) 495-3536, www.realcolegiocomplutense.harvard.edu.
Fri., May 8—Aragón’s **“Todos estamos invitados”** at 7:30 p.m.
Fri., May 15—Coixet’s **“Elegy”** at 7:30 p.m.
Fri., May 22—Teshigahara’s **“Antonio Gaudí”** 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

Adams House
“Painting Show: Recent Works by Ian Schaff.” An opening reception will be held Fri., May 8, at 7 p.m. (May 8-15)
—*Adams House, 10 Linden St.*

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

“Where Art and Science Meet: A Celebration of the Life and Art of Esther Heins” celebrates Heins’ life as one of the great female botanists — and Boston-area resident for almost all of her 99 years — by showcasing her large illustrations of the living collections of Arnold Arboretum. (Through May 31)
—*Lecture Hall, Hunnewell Building, 125 Arborway, Jamaica Plain. Hours are Mon.-Fri., 9 a.m.-4 p.m.; Sat., 10 a.m.-4 p.m.; Sun., noon-4 p.m.; closed holidays. (617) 524-1718, www.arboretum.harvard.edu.*

Baker Library
“The Primary Sources: Contemporary Research in Baker Library Historical Collections” examines the role of primary source materials in contemporary scholarly research by showcasing four recent publications by Harvard Business School faculty and fellows that drew extensively from the extraordinary breadth of historical documents held at HBS. Also featuring ten additional, recent, scholarly publications in which the premises were strengthened and enriched by the authors’ access to historical documents at HBS. (Through Sept. 11)
—*North lobby, Baker Library, Bloomberg Center, HBS, Soldiers Field Rd. (617) 496-6364, www.library.hbs.edu/hc.*

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

—*Main floor, Cabot Science Library. (617) 496-5534.*

Carpenter Center
“VES Thesis Show: The Arsenale” features the work of students Sabrina Chou, Camille Graves, Cydney Gray, Amy Lien, Christen Leigh McDuffee, Sally Rinehart, John Selig, Nick Shearer, Anna Smith, and Lisa Vastola. A reception for the artists will be held Fri., May 8, at 5:30 p.m. (Through June 4)
—*Main Gallery & Sert Gallery, third floor, Carpenter Center, 24 Quincy St. Hours are Mon.-Sat., 9 a.m.-11 p.m.; Sun., noon-11 p.m. (617) 495-3251, tblanch@fas.harvard.edu, www.ves.fas.harvard.edu.*

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

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

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

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

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

Ernst Mayr Library
“Charles Darwin: A Celebration of the Bicentenary of His Birth (1809)” presents a selection of Darwin’s books,

manuscript fragments, correspondence, portraits, and ephemera. (Through autumn 2009)
—*Ernst Mayr Library, second floor, Museum of Comparative Zoology, 26 Oxford St. (617) 495-2475, <http://library.mcz.harvard.edu>.*

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

Graduate School of Design
“Ecological Urbanism: Alternative and Sustainable Cities of the Future” is an exhibition organized around the premise that an ecological approach is urgently needed both as a remedial device for the contemporary city and an organizing

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
Program on Information Resources Policy	PIRP
Program on International Conflict Analysis and Resolution	PICAR
Program on Nonviolent Sanctions and Cultural Survival	PNSCS
Program on U.S.-Japan Relations	USJRP
School of Engineering and Applied Sciences	SEAS
Technology & Entrepreneurship Center at Harvard	TECH
Trade Union Program	TUP
Ukrainian Research Institute	URI
United Ministry	UM
Weatherhead Center for International Affairs	WCFIA

principle for new cities. (Through May 17)
—*Gund Hall Lobby, GSD, 48 Quincy St. Free and open to the public.*
www.gsd.harvard.edu/events/exhibitions/current.htm.

“The Road Not (Yet) Taken: The Interstate Highway Reconsidered” presents future visions for the Mass Pike corridor, from I-95 to Allston. Design speculations by Loeb Fellows Rob Lane, Jim Brown, and others are presented in models and drawings. (Through May 30)
—*Gund Hall Lobby, GSD, 48 Quincy St. Free and open to the public.*
www.gsd.harvard.edu/events/exhibitions/current.htm.

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 Divinity School
“Faces of Buddha” features work by Virginia Peck. (Through May 2009)
—*Andover Chapel, HDS. 5:30 p.m. (617) 384-7571.*

Harvard Extension School
“20 Books VI” is an exhibition of artists’ books created by students in the introductory Book Art class. The collection explores how content interacts with and is enhanced by structure and materials, and showcases handmade books that find novel ways of telling familiar stories, making them fresh, intriguing, and new again. An opening reception will be held Tue., May 12, in the Grossman Common Room, 51 Brattle St., 6-7:30 p.m. (May 12-18)
—*1st and 2nd floors, West Lobby, Harvard Extension School 51 Brattle St. Hours are Mon.-Thu., 8:45 a.m.-8:30 p.m.; Fridays, 8:45 a.m.-5 p.m. www.extension.harvard.edu.*

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)



Photo by Kati Mitchell

May 9-June 7
The American Repertory Theater presents David Mamet’s courtroom farce ‘Romance’
Saturday, May 9-Sunday, June 7.
Performances take place at Loeb Drama Center Main Stage. See theater, page 22.

LEFT: Thomas Derrah, Will LeBow, and Jim True-Frost

“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)

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

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

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

“The Ware Collection of Glass Models of Plants” features the world famous “Glass Flowers” created over five decades by glass artists Leopold and Rudolph Blaschka, 3,000 glass models of 847 plant species. (Ongoing)
—*The Harvard Museum of Natural History is located at 26 Oxford St. Public entrances to the museum are located between 24 and 26 Oxford St. and at 11 Divinity Ave. Open daily, 9 a.m.-5 p.m.; Closed Jan. 1, Thanksgiving Day, Dec. 24, and Dec. 25. Admission is \$9 for adults; \$7 for senior citizens and students; \$6 for children 3 to 18 years old; free for children under 3 years old. Group rates available with advance reservations;*

call (617) 495-2341. Free admission (for Massachusetts residents only) on Sun. mornings 9 a.m.-noon, except for groups, and free admission on Wed. afternoons, Sept.-May, 3-5 p.m. Free admission with a Bank of America credit card on the first full weekend of every month. (617) 495-3045, www.hmn.harvard.edu.

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

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

Houghton Library
“Ever Westward’: Sir Arthur Conan Doyle and American Culture” commemorates the 150th anniversary of Doyle’s birth and examines his life and most famous literary creation, Sherlock Holmes, with a special emphasis on their place in American culture. An opening reception will be held Thu., May 21, at 5:30 p.m. in the Edison and Newman Room of Houghton Library. (Through Aug. 8)
—*Edison and Newman Room, Houghton Library. (617) 496-4027.*

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

Lamont Library
“2007-08 Winners of the Visiting Committee Prize for Undergraduate

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

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

Landscape Institute
“Recording Climate Change ... Paintings and Journal Pages from the Arctic: Alaska and Baffin Island” features the work of Clare Walker Leslie. (Through May 21)
—*Landscape Institute, 30 Chauncy St. (617) 495-8632, www.landscape.arboretum.harvard.edu.*

Loeb Music Library
“Nadia Boulanger and Her American Composition Students” focuses on Nadia Boulanger, one of the foremost composition teachers of the 20th century, especially her American ties and her influence on generations of American composers. www.crosscurrents08-09.org. (Through July 1)
—*Richard F. French Gallery, Eda Kuhn Loeb Music Library, Fanny Mason Peabody Music Building. (617) 496-3359.*

Peabody Museum
“Avenue Patrice Lumumba: Photographs by Guy Tillim” features photographs of Tillims’ travels to Angola, Mozambique, Congo, and Madagascar to document the grand colonial architecture and how it has become a part of a contemporary African stage. (Through Sept. 8)

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

“Digging Veritas: The Archaeology and History of the Indian College and Student Life at Colonial Harvard” showcases finds from Harvard Yard, historical documents, and more from

Harvard’s early years. (Through Jan. 2010)

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

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

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

“Wiyohpiyata: Lakota Images of the Contested West” explores the meanings of a unique 19th century “artist’s book” filled with colored drawings by Indian warriors, probably Lakota Indians, recovered by the U.S. Army from the battlefield after the 1876 Little Big Horn fight, in which George Armstrong Custer was defeated by the Sioux and Cheyenne. (Through August 2011)
—*The Peabody Museum is located at 11 Divinity Ave. Open daily, 9 a.m.-5 p.m. Admission is \$9 for adults; \$7 for senior citizens and students; \$6 for children 3 to 18 years old; free for children under 3 years old. Free admission (for Massachusetts residents only) on Sun. mornings 9 a.m.-noon, except for groups, and free admission on Wed. afternoons, Sept.-May, 3-5 p.m. The Peabody Museum is closed Jan. 1, Thanksgiving Day, Dec. 24, and Dec. 25. (617) 496-1027, www.peabody.harvard.edu.*

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

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

“Taking the Measure of Rhode Island: A Cartographical Tour” examines the cartographical history of the small, enigmatic state. From the Colonial period to the early 20th century, this exhibit features examples of boundary surveys, state maps, nautical charts, town plans, city and state atlases, topographical and geological maps, road guides, and bird’s eye views. (Through June 12)
—*Map Gallery Hall, Pusey Library. (617) 495-2417.*

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

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

(Continued from previous page)

“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.*

Science Center
“Patent Republic: Materialities of Intellectual Property in 19th-Century America” retraces more than 50 years of patent-model making in the U.S., presenting common inventions such as washing machines, carpet sweepers, and ice skates, as well as Thomas Edison’s carbonizer. (Through Dec. 11)
—*Science Center, 1 Oxford St. Open weekdays, 9 a.m.-5 p.m.*

lectures

art/design

Mon., May 11—**“Cyril W. Beaumont and Ballets Russes Luxe.”** (Harvard Theatre Collection, Houghton Library) An illustrated talk with artifacts inspired by Diaghilev’s Ballets Russes. After the lecture, an exhibition viewing will take place in Pusey Library. Forum Room, third floor, Lamont Library, 4 p.m. Free and open to the public. (617) 495-2445, htc@harvard.edu.

Thu., May 14—**“Starting at Standing Rock: Following Custer and Sitting Bull to the Little Big Horn.”** (Peabody Museum) Nathaniel Philbrick, author. Geological Lecture Hall, 24 Oxford St., 5:30 p.m. Reception to follow in Peabody Museum, 11 Divinity Ave. Free and open to the public. (617) 496-1027, www.peabody.harvard.edu.

Thu., May 21—**“Free Lunchtime Tour.”** (Semitic Museum) Tour of the exhibit “The Houses of Ancient Israel: Domestic, Royal, Divine.” Semitic Museum, 6 Divinity Ave., 12:15 p.m. Free. www.fas.harvard.edu/~semitic.

business/law

Thu., May 14—**“NGO Leaders in Humanitarian Aid and Development Seminar Series.”** (Hauser Center) Steve Hollingworth, COO, Care USA. L130, Bolton Lecture Room, Littauer Building, HKS, 79 JFK St., 11:30 a.m. Light refreshments served. Free and open to the public. www.hks.harvard.edu/hauser/engage/humanitarianorganizations/ngoleadersseminarseries/.

Thu., May 14—**“How Family Firms Have Become Agents of Globalization: Lessons from the Spanish Experience.”** (Real Colegio Complutense) Nuria Puig Raposo, UCM. Conference Room, RCC, 26 Trowbridge St., 7:30 p.m. Lecture in English. Free and open to the public.

conferences

Thu., May 7-Fri., May 8—**“Cultures in Common: 50 Years of Reflection on Science, Technology, and Society.”** (Program on Science, Technology, and Society at HKS, HUCE, SEAS, Humanities Center) Thu., May 7: Opening panel and reception. Maxwell-Dworkin Auditorium, 33 Oxford St., 4:30 p.m.-6:30 p.m. Fri., May 8: All-day workshop. Bell Hall, Belfer Building, 79 JFK St., 9 a.m.-5:30 p.m. RSVP to

lauren_schiff@harvard.edu by Fri., May 1. The panel on May 7 does not require RSVPs. For a complete list of panelists and talks, visit www.hks.harvard.edu/sts/events/twocultures.htm.

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

Fri., May 8—**“Biosensors: Engineering Concepts and Medical Applications.”** (SEAS) Maxwell-Dworkin, 33 Oxford St., 9 a.m.-6:30 p.m. Registration required. To register and view list of speakers, visit www.seas.harvard.edu/partnerships/biosensors09.

Sat., May 30-Sun., May 31—**“Moral Action in Historical Context: A Conference in Honor of Patrice Higonnet.”** (CES) Day 1: Panel 1: The Mother of Us All: The French Revolution; Panel 2: Politics and Religion in Moral Action; Panel 3: Personal and Political: Medicine, Birth, and Sex; Panel 4: The Politics of Moral Choices. Lower level conference room, Busch Hall, 8 a.m.-5:30 p.m. Day 2: Panel 5: Politics and Intellectuals; Panel 6: The Historical Context of Patrice Higonnet. Lower level conference room, Busch Hall, 8 a.m.-1:30 p.m. For a complete list of events and speakers, visit www.ces.fas.harvard.edu/conferences/higonnet/index.html.

environmental sciences

Wed., May 13—**“Panic at the Pump: Energy Policy in Historical Perspective.”** (Radcliffe Institute) Meg Jacobs, fellow, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 3:30 p.m. (617) 495-8212, www.radcliffe.edu.

health sciences

Fri., May 8—**“Condoms, Community, and Karmic Congee: Faith-based Social Service in Contemporary China.”** (Fairbank Center) Susan McCarthy, Providence College. Room S153, CGIS South, 1730 Cambridge St., 12:15 p.m. www.fas.harvard.edu/~fairbank/.

Medical School

Tue., May 12—**“Regulation of Macrophage Signaling and Trafficking.”** (Microbiology & Molecular Genetics) James B. Bliska, Stony Brook University. Room 341, Warren Alpert Building, HMS, 200 Longwood Ave., 12:30 p.m. Coffee is served prior to the event at 12:15 outside the room. shannon@hms.harvard.edu.

Tue., May 19—**“Subversion of a Liver-Specific MicroRNA by Hepatitis C Virus.”** (Microbiology & Molecular Genetics) Peter Sarnow, Stanford University. Room 341, Warren Alpert Building, HMS, 200 Longwood Ave., 12:30 p.m. Coffee is served prior to the event at 12:15 outside the room. shannon@hms.harvard.edu.

School of Public Health

Fri., May 8—**“African Cohort Initiative: An Update.”** (HSPH) Film screening and a discussion of the initiative’s opportunities and challenges. Room G1, Snyder Auditorium, Kresge Building, HSPH, 677 Huntington Ave., 12:30 p.m. dhavelic@hsph.harvard.edu.

Mon., May 11—**“Infectious Disease Dynamics: A Statistical Perspective.”** (HSPH) Edward L. Ionides, University of Michigan. Room 907, Epidemiology Library, Kresge Building, HSPH, 677 Huntington Ave., 12:30 p.m. Lunch is provided.

Mon., May 18—**“Epidemiology of Infectious Disease Lecture.”** (HSPH) Jonathan Eisen, U.C. Davis. Room 907, Epidemiology Library, Kresge Building, HSPH, 677 Huntington Ave., 12:30 p.m. Lunch is provided.

Thu., May 28—**“TB and Malaria Drug Discovery — What a Long Strange Trip It’s Been.”** (HSPH) James Sacchetti, Texas A&M University. Room G12, FXB Building, HSPH, 665 Huntington Ave., 4 p.m. Reception prior to lecture at 3:30 p.m.

humanities

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

Thu., May 7—**““The Little Platoons of Society’: Equality and Obligation in American Social Thought in the 1970s and 1980s.”** (CES) Daniel Rodgers, Princeton University. Lower level conference room, Busch Hall, 4:15 p.m. pgordon@fas.harvard.edu.

Thu., May 7—**“Unless a Seed Fails.”** (HDS) Lecture by Dan McKanan, HDS, to inaugurate the Ralph Waldo Emerson Unitarian Universalist Association Chair at HDS. Sperry Room, Andover Hall, HDS, 5:15 p.m. Reception to follow in the Braun Room. (617) 384-8394, jmc-cullom@hds.harvard.edu.

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

Mon., May 11—**“Religion and U.S. Foreign Policy: Understanding and Engagement with Orthodox Christianity in Russia, the Middle East, and Europe.”** (Kokkalis Program, WCFA) Elizabeth Prodromou, Boston University. Room L369, Belfer Center Library, Littauer Building, HKS, 79 JFK St., noon. Free and open to the public. www.hks.harvard.edu/kokkalis/.

Mon., May 11—**“Cyril W. Beaumont and Ballets Russes Luxe.”** (Harvard Theatre Collection, Houghton Library) An illustrated talk with artifacts inspired by Diaghilev’s Ballets Russes. After the lecture, an exhibition viewing will take place in Pusey Library. Forum Room, third floor, Lamont Library, 4 p.m. Free and open to the public. (617) 495-2445, htc@harvard.edu.

Tue., May 12—**“On the Historiography of Spanish Literature: Places, Dates, and Names.”** (Real Colegio Complutense) Fernando Cabo, UCM. Conference Room, RCC, 26 Trowbridge St., 7:30 p.m. Lecture in English. Free and open to the public.

Wed., May 13—**“Multilingualism Education Project.”** (Du Bois Institute) Mbulungeni Madiba, Cape Town University. Room S050, CGIS South, 1730 Cambridge St., noon. www.dubois.fas.harvard.edu.

Wed., May 13—**“Does Surrealist Theater Exist?”** (Humanities Center, Modern Greek Studies Program) Vassiliki Rapti, Harvard University. Room 114, Barker Center, 12 Quincy St., 5:30 p.m. roilos@fas.harvard.edu.

Mon., May 18—**“Moral Worlds and Religious Subjectivities: Perspectives From the Field of Comparative Religious Ethics.”** (CSWR) Lee H. Yearley, Stanford University. Sperry Room, Andover Hall, HDS, 45 Francis Ave., 4:30 p.m. Space is limited; reservations required. Register online at www.hds.harvard.edu/cswr/, or call (617) 495-4476.

Thu., May 21—**“How White is the White House: American Presidents and the Politics of Race.”** (Du Bois Institute) Britta Waldschmidt-Nelson, Amerika-Institut Ludwig-Maximilians-Universität, München. Thompson Room, Barker Center, 12 Quincy St., noon. www.dubois.harvard.edu.

Thu., May 21—**“Amica America: Spanish Exiled Professors in U.S. Universities.”** (Real Colegio Complutense) Carolina Rodríguez López, UCM. 26 Trowbridge St., 7:30 p.m. Lecture in English. Free and open to the public.

information technology

Wed., May 13—**“Astronomy as I ‘See’ It.”** (Initiative in Innovative Computing Colloquium) Alyssa Goodman, IIC. Room 330, 60 Oxford St., 4 p.m.

poetry/prose

Sat., May 9—**““Lectio Divina’: Discovering Signs of the Sacred in Daily Life.”** (St. Paul’s Lay Committee) Judith Valente and Charles Reynard will lead a poetry and spirituality retreat. 9 a.m.-3:30 p.m. www.saintpaulCSPC.org.

Sat., May 9—**“My Language.”** (Sanskrit and Indian Studies) 12th annual India poetry reading. Hall A, Science Center, 1 Oxford St., 3 p.m.

Mon., May 18—**“Poetry Reading.”** (Radcliffe Institute) Sarah Messer, fellow, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 3 p.m. www.radcliffe.edu.

Tue., May 19—**“Book Launch: Devi.”** (Radcliffe Institute, Committee on Human Rights Studies) Thrishantha Nanayakkara, fellow, Radcliffe Institute, reads from his new book and is interviewed by Sarah Messer, fellow, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 3 p.m. www.radcliffe.edu.

science

Thu., May 7—**“Did Darwin Meet Wagner? On Evolution, Education, and Becoming.”** (HGSE) Edvin Ostergaard, visiting scholar, HGSE. Room 208, Longfellow Hall, HGSE, Appian Way, 11 a.m.

Thu., May 7—**“Bose-Einstein Condensation or the Coolest Atoms in the Universe, and Its Relatives.”** (Real Colegio Complutense) Ivar Zapata, UCM. Conference Room, RCC, 26 Trowbridge St., 7:30 p.m. Lecture in English. Free and open to the public.

Fri., May 8—**Prather Lecture. 1 of 2. “A Genomic View of the World.”** (Molecular & Cellular Biology) J. Craig Venter, founder, J. Craig Venter Institute. Room 102, Sherman Fairchild, 7 Divinity Ave., noon. Lecture will also be shown on the Harvard Video Network in Room 177 of Sherman Fairchild.

Fri., May 8—**Prather Lecture. 2 of 2. “Synthetic Life.”** (Molecular & Cellular Biology) J. Craig Venter, founder, J. Craig Venter Institute. B103, Northwest Building, 52 Oxford St., 4 p.m. Lecture will also be shown on the Harvard Video Network in B104 of the Northwest Building. Reception to follow, first floor, 5 p.m.

Mon., May 11—**“Bridging Physics and Archaeology: Imaging Maya Pyramids with Cosmic Ray Muons.”** (Physics) Roy Schwitters, University of Texas, Austin. Room 250, Jefferson Lab, 4:15 p.m. Free and open to the public. http://physics.harvard.edu/events/.

Tue., May 12—**“The Lions of Asia in History: Animal-Human Interaction through the Ages.”** (HMNH) Divya Bhanusinh Chavda, World Wide Fund for Nature, India. Geological Lecture Hall, 24 Oxford St., 6 p.m. Free and open to the public. www.hmnh.harvard.edu.

Wed., May 13—**“Astronomy as I ‘See’ It.”** (Initiative in Innovative Computing Colloquium) Alyssa Goodman, IIC. Room 330, 60 Oxford St., 4 p.m.

Sun., May 17—**“Family Program: Under New England: The Story of New England’s Rocks and Fossils.”** (HMNH) Charles Ferguson Barker, geologist and

author. HMNH, 26 Oxford St., 2 p.m.-3 p.m. Free with price of admission. (617) 495-3045, hmnh@oeb.harvard.edu, www.hmnh.harvard.edu.

Thu., May 21—**“The Day We Found the Universe.”** (CfA) Marcia Bartusiak, MIT. Phillips Auditorium, 60 Garden St., 7:30 p.m. Observing through telescopes follows the presentation, weather permitting. Live Webcast: www.cfa.harvard.edu/events/public_events.html.

social sciences

Thu., May 7—**“Did Darwin Meet Wagner? On Evolution, Education, and Becoming.”** (HGSE) Edvin Ostergaard, visiting scholar, HGSE. Room 208, Longfellow Hall, HGSE, Appian Way, 11 a.m.

Thu., May 7—**“Civic Education and Political Empowerment in Mexico.”** (CMEI, HGSE) Fernando Reimers, Harvard University. Eliot-Lyman Room, Longfellow Hall, Appian Way, 11 a.m. Refreshments provided. cmei@gse.harvard.edu, www.isites.harvard.edu/cmei.

Thu., May 7—**“Institutional Design To Prevent Illicit Nuclear-Related Trade.”** (Belfer Center’s International Security Program) Brown bag seminar with Emma Belcher, research fellow, ISP/Project on Managing the Atom. Room 369, Belfer Center Library, Littauer Building, HKS, 79 JFK St., 12:15 p.m. Coffee and tea provided. http://belfercenter.ksg.harvard.edu/events/3966.

Thu., May 7—**“Europe and the Financial Crisis.”** (CES) Luncheon talk with Nicolas Véron. Cabot Room, Busch Hall, CES, 12:15 p.m. A bagged lunch will be provided for the first 25 attendees. beerman@fas.harvard.edu.

Thu., May 7—**“Popcorn and Politics: Film and Politics Discussion with Mike Nichols.”** (HKS Institute of Politics) Rose Styron and Mike Nichols, IOP Fellows. Room L166, Littauer Building, HKS, 79 JFK St., 2 p.m.

Thu., May 7—**““The Little Platoons of Society’: Equality and Obligation in American Social Thought in the 1970s and 1980s.”** (CES) Daniel Rodgers, Princeton University. Lower level conference room, Busch Hall, CES, 4:15 p.m. pgordon@fas.harvard.edu.

Thu., May 7—**“Russian Policy Toward the Commonwealth of Independent States: Recent Trends and Future Prospects.”** (Davis Center) Mark Kramer, director, Project on Cold War Studies. Room S354, CGIS South, 1730 Cambridge St., 4:15 p.m. www.daviscenter.fas.harvard.edu.

Thu., May 7—**“Unless a Seed Fails.”** (HDS) Lecture by Dan McKanan, HDS, to inaugurate the Ralph Waldo Emerson Unitarian Universalist Association Chair at HDS. Sperry Room, Andover Hall, HDS, 5:15 p.m. Reception to follow in the Braun Room. (617) 384-8394, jmc-cullom@hds.harvard.edu.

Fri., May 8—**“Condoms, Community, and Karmic Congee: Faith-based Social Service in Contemporary China.”** (Fairbank Center) Susan McCarthy, Providence College. Room S153, CGIS South, 1730 Cambridge St., 12:15 p.m. www.fas.harvard.edu/~fairbank/.

Mon., May 11—**“Religion and U.S. Foreign Policy: Understanding and Engagement with Orthodox Christianity in Russia, the Middle East, and Europe.”** (Kokkalis Program, WCFA) Elizabeth Prodromou, Boston University. Room L369, Belfer Center Library, Littauer Building, HKS, 79 JFK St., noon. Free and open to the public. www.hks.harvard.edu/kokkalis/.

Mon., May 11—**“Should China Continue Its Nuclear Buildup?”** (Fairbank Center, Turning Point Series) Hui Zhang, Project on Managing the Atom, Belfer Center, HKS. Room S153,



May 9-11 and May 16

The Harvard Film Archive (HFA) will host a virtual event, “The Second Life of Chris Marker,” with legendary filmmaker Chris Marker on May 16. The event, which will take place in the virtual world of Second Life, will be preceded by screenings of Marker’s films May 9-11. See film, page 22.

LEFT: ‘A Grin Without a Cat (Le fond de l’air est rouge)’ screens Sunday, May 10, at the HFA at 7 p.m.

CGIS South, 1730 Cambridge St., 4:15 p.m. Free and open to the public. www.fas.harvard.edu/~fairbank/events/Turning_Point.html.

Tue., May 12—**“Stalin Unplugged: Three Hundred Conversations with the Vozhd.”** (Davis Center) David Wolff, visiting scholar, Davis Center. Room S354, CGIS South, 1730 Cambridge St., 12:15 p.m. www.daviscenter.fas.harvard.edu.

Tue., May 12—**“A Family History of a Russian Journalist: A Century of Wars, Revolutions, and Peace.”** (Davis Center) Andrei Zolotov Jr., Nieman Fellow. Room S354, CGIS South, 1730 Cambridge St., 4:15 p.m. www.daviscenter.fas.harvard.edu.

Wed., May 13—**“Rethinking Gender Assumptions about Dominance and Aggression: The Case of Spotted Hyena Female Coalitions.”** (HGSE, Anthropology) Gina Raihani, Autonomous University of Mexico. Room 310, HUCE, 24 Oxford St., noon.

Wed., May 13—**“Providing Information on Teacher Performance to School Principals: Evidence from a Randomized Intervention in New York City.”** (HGSE, Center for Education Policy Research) Doug Staiger, Dartmouth College. Room S08, Larsen Hall, 4:30 p.m. RSVP to cepr@gse.harvard.edu.

Wed., May 13—**“Old Kingdom Urban History at Giza: Excavation in the Khentkawes Temple Town.”** (Semitic Museum) Mark Lehner, Ancient Egypt Research Associates. Sperry Hall, 45 Francis Ave., 7 p.m. Reception at 6:15 in the second floor, Semitic Museum, 6 Divinity Ave. Free and open to the public. (617) 495-4631, www.fas.harvard.edu/~semitic.

Thu., May 14—**“Measuring Truth and Reconciliation? Lessons from Sierra Leone.”** (Belfer Center’s International Security Program) Brown bag seminar with Michal Ben-Josef Hirsch, research fellow, ISP, and Megan Mackenzie, research fellow, ISP/Women and Public Policy Program. Littauer 369, Belfer Center Library, HKS, 79 JFK St., 12:15 p.m. Coffee and tea provided. <http://belfercenter.ksg.harvard.edu/events/3980>.

Thu., May 14—**“Starting at Standing Rock: Following Custer and Sitting**

Bull to the Little Big Horn.” (Peabody Museum) Nathaniel Philbrick, author. Geological Lecture Hall, 24 Oxford St., 5:30 p.m. Reception to follow in Peabody Museum, 11 Divinity Ave. Free and open to the public. (617) 496-1027, www.peabody.harvard.edu.

Mon., May 18—**“Moral Worlds and Religious Subjectivities: Perspectives From the Field of Comparative Religious Ethics.”** (CSWR) Lee H. Yearley, Stanford University. Sperry Room, Andover Hall, HDS, 45 Francis Ave., 4:30 p.m. Space is limited; reservations required. Register online at www.hds.harvard.edu/cswr/, or call (617) 495-4476. www.hds.harvard.edu/cswr/events/calendar.html.

Tue., May 19—**“Book Launch: Devi.”** (Radcliffe Institute, Committee on Human Rights Studies) Thrishantha Nanayakkara, fellow, Radcliffe Institute, reads from his new book and is interviewed by Sarah Messer, fellow, Radcliffe Institute. Radcliffe Gymnasium, 10 Garden St., Radcliffe Yard, 3 p.m. www.radcliffe.edu.

Thu., May 21—**“Amica America: Spanish Exiled Professors in U.S. Universities.”** (Real Colegio Complutense) Carolina Rodríguez López, UCM. 26 Trowbridge St., 7:30 p.m. Lecture in English. Free and open to the public.

Wed., May 27—**“Vagrancy and Poverty in Eastern Turkestan (17th-19th Centuries).”** (Committee on Inner Asian and Altaic Studies) Alexandre Papas, CNRS. Room S250, CGIS South, 1730 Cambridge St., 1 p.m. Free and open to the public. You may bring your own lunch; snacks will be provided. iaas@fas.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.

■ **“Signs of Spring” Free walking tours:** Tours began again April 11. Come and explore the collections on a free guided tour led by knowledgeable volunteer docents on select Wednesdays, Saturdays, and Sundays through November. Times vary. All tours begin in front of the Hunnewell Building Visitor Center, 125 Arborway, and last approximately 60-90 minutes. No registration necessary. (617) 524-1718, www.arboretum.harvard.edu/visitors/tours.html.

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

■ **Events/Classes**
Sat., May 9—**“An Apple-A-Day: Orchard Intensive with Michael Phillips.”** Hunnewell Building, Arnold Arboretum. Workshop 1: “Home Orchard Basics” at 9 a.m. Workshop 2: “Organic Apple Insights” at 1 p.m. Cost is \$70 for both sessions; \$35 morning session only. Register online at www.arboretum.harvard.edu, or call (617) 384-5251.

Sun., May 10—**“101st Annual Lilac Sunday.”** Lilac enthusiasts from around the world celebrate more than 180 kinds of lilacs with a day of tours, dancing, art, music, children’s activities, and food (picnicking is allowed on this day only). Most activities happen from 10 a.m.-4 p.m. (617) 384-5209.

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.

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.

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

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

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

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

Harvard Medical School’s Research Imaging Solutions. (617) 432-2323, ris@hms.harvard.edu, <http://it.med.harvard.edu/training>.

■ Tue., May 12—**“Creating Figures for Presentations and Publications Using PhotoShop and PowerPoint.”** Countway Library of Medicine Electronic Classroom, 9 a.m. Prerequisites: Basic computer skills and some familiarity with PowerPoint. Free and open to Harvard employees and HMS affiliates. Classes are limited to six students and fill up quickly; registration required at http://it.med.harvard.edu/pg.asp?pn=training_classes.

■ Wed., May 20—**“Poster Making**

for Large Former Printers.” Room 318, Goldenson, HMS, noon. Free and open to Harvard employees and HMS affiliates. No registration required. Handouts can be downloaded at <http://it.med.harvard.edu/ris>.

■ Fri., June 5—**“Creating Figures for Presentations and Publications Using PhotoShop and PowerPoint.”** Countway Library of Medicine Electronic Classroom, 9 a.m. Prerequisites: Basic computer skills and some familiarity with PowerPoint. Free and open to Harvard employees and HMS affiliates. Classes are limited to six students and fill up quickly; registration required at http://it.med.harvard.edu/pg.asp?pn=training_classes.

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.

■ **Summer Science Weeks**
HMNH offers opportunities for children in preschool through grade 6 to explore the natural world in half-day Summer Science Weeks. Kids learn with professional museum educators: observing live animal behaviors and investigating insects, spiders, and other creepy crawlies. www.hmn.harvard.edu/kids_classes/index.php#summer-classes.

■ **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.

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■ Special events

Tue., May 12—**“The Lions of Asia in History: Animal-Human Interaction through the Ages.”** Divya Bhanusinh Chavda, World Wide Fund for Nature, India. Geological Lecture Hall, 24 Oxford St., 6 p.m. Free and open to the public.

Sat., May 16—**“Walking Tour of the Trees of Harvard.”** Walking tour by experts from the Harvard Herbaria. First floor lobby, HMNH, 26 Oxford St., 11 a.m. Rain date: Sun., May 17. Free to members; \$9 nonmembers. Reservations required. (617) 384-8309, hmnh-lectures@oeb.harvard.edu.

Sun., May 17—**“Family Program: Under New England: The Story of New England’s Rocks and Fossils.”** Charles Ferguson Barker, geologist and author. HMNH, 26 Oxford St., 2 p.m.-3 p.m. Free with price of admission. (617) 495-3045, hmnh@oeb.harvard.edu.

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

Harvard School of Public Health

■ Mon., June 8-Fri., June 12—**“Ethical Issues in Global Health Research Workshop.”** Intensive 5-day seminar on key topics, including ethical guidelines for research involving human subjects, confidentiality, conflict of interest, and scientific misconduct. Room 636, FXB Building, 651 Huntington Ave., 8 a.m.-6 p.m. daily. Course fee of \$1,950 (\$300 nonrefundable deposit due upon acceptance) includes daily continental breakfasts and breaks, special function in Harvard Faculty Club, comprehensive reference manual and CD, and a Harvard certificate of attendance. Early bird discount of \$150 for full payment by April 15. For more information on costs, scholarship assistance, and programming, visit www.hsph.harvard.edu/bioethics. (617) 432-3998, mclark@hsph.harvard.edu.

Harvard Swim School offers swimming and diving lessons for children and adults. Classes are held Saturday mornings from April 4 to May 9 in the Blodgett Pool in the Malkin Athletic Center. (617) 496-8790, www.athletics.harvard.edu/swimschool/.

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

■ **Summer 2009 registration** is open for enrollment. Classes begin June 1.

■ **Open Studio Design Lab** is a weekly opportunity to hone design and technical skills in an informal, problem-specific format. Open every Friday, 9 a.m.-4:30 p.m. Private one-on-one mentoring \$50/hr.; drop-in alumni and student charge (fee per visit) \$10; drop-in rate for current certificate candidates is free. **Registration:** Participants should stop by the office and visit the registrar to pay. For private sessions, contact weinmayr@rcn.com. Upcoming topics: Fri., May 8—Contracting Bid Forms & Observation

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/mat her.

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

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

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

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

■ Mon., May 11—**“Hiring an Au Pair: The Flexible Child Care Option.”** Diane Swartz and Jane Dexter, AuPairCare.

■ Thu., May 14—**“The Media Impact on your Child’s Body Image.”** Michelle George, family and life educator.

■ Fri., May 22—**“Doggy Dos and Don’ts: Why, How, and Where to Get a Dog — And What to do After You Get One.”** Amy Koel, psychologist and dog trainer.

■ Thu., May 28—**“Buying Your First Home.”** Lynn King, Coldwell Banker.

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

computer

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

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

special events

Thu., May 7—**“Bacchanalia.”** (Lowell House Committee) Spring formal. Lowell House Committee, 10 Holyoke Pl., 10 p.m. Tickets are \$15 (4 tickets per person per ID); \$20 senior common room members. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

Fri., May 8—**“Iphigenia Chorus for Modern Greek.”** (Greek Cinema Club) A collaborative performance by the students of Modern Greek A; discussion to follow. Fong Auditorium, Boylston Hall, 6:15 p.m. Free and open to the public. rapti@fas.harvard.edu.

Sat., May 9—**“Mather House Spring Formal.”** (Mather House Committee) Spring formal. Mather House, 10 Cowperthwaite St., 10 p.m. Tickets are \$15, Harvard ID; \$12.50 couples discount (must purchase two tickets). Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

Sun., May 10—**“101st Annual Lilac Sunday.”** (Arnold Arboretum) Lilac enthusiasts from around the world celebrate more than 180 kinds of lilacs with a day of tours, dancing, art, music, children’s activities, and food (picnicking is allowed on this day only). Arnold Arboretum, 125 Arborway, most activities happen from 10 a.m.-4 p.m. (617) 384-5209, www.arboretum.harvard.edu.

Mon., May 11—**“The 27th Annual Elliot Norton Awards.”** (Harvard Box Office) Boston Theater Critics Association presents the Norton Awards. Sanders Theatre, 7 p.m. Tickets are \$15. Harvard Box Office (617) 496-2222, www.boxoffice.harvard.edu.

Sat., May 16—**“Walking Tour of the Trees of Harvard.”** (HMNH) Walking tour by experts from the Harvard Herbaria. First floor lobby, HMNH, 26 Oxford St., 11 a.m. Rain date: Sun., May 17. Free to members; \$9 nonmembers. Reservations required. (617) 384-8309, hmnh-lectures@oeb.harvard.edu.

fitness

Harvard Wellness Programs

For a recorded listing of programs, (617) 495-1771. For a registration form, (617) 495-9629, www.huhs.harvard.edu.

Massage Therapy, 1-Hour Appointments

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

Massage Therapy, 1/2-Hour Appointments

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

Lunchtime Massage Therapy Break at HUHS

Ten-minute appointments with Licensed Massage Therapists Mondays, noon-2 p.m. at the HUHS Pharmacy in Holyoke Center Wednesdays, 11 a.m.-2 p.m. at CWHC, 2E, HUHS Thursdays, 5:30-7:30 p.m. at Hemenway Gym Fridays from 11 a.m.-2 p.m. at the HUHS Pharmacy in Holyoke Center Call (617) 495-9629 to arrange Fee is \$10/10 minutes

On-Site Massage Therapy or Shiatsu

10-minute appointments with Licensed Massage Therapists Call (617) 495-9629 to arrange Fee is \$10 per person for 10 minutes; minimum of six people

Shiatsu (Acupressure)

One-hour appointments with Karl Berger, OBT, LMT Mondays, 6, 7, and 8 p.m. 75 Mt. Auburn St., 5th floor, HUHS Call (617) 495-9629 to arrange Fee is \$60/hr; \$40/hr for HUGHP members

Reiki

One-hour appointments with Farris Ajalat, Judy Partington, & Lisa Santoro, LMTs Tuesdays, Wednesdays, Thursdays, Saturdays 75 Mt. Auburn St., 2E, HUHS Call (617) 495-9629 to arrange Fee is \$60/hr; \$40/hr for HUGHP members

Active Release Technique (ART)

One-hour appointments with a Licensed Massage Therapist Sundays and Mondays, mid-day, afternoon and evening appointments 75 Mt. Auburn St., 2E, HUHS Call (617) 495-9629 to arrange Fee is \$60/hr; \$40/hr for HUGHP members

Acupuncture, 1-Hour Appointments

One-hour appointments with Jeffrey Matrician, Lic. Ac. Tuesdays and Fridays, morning and afternoon appointments 75 Mt. Auburn St., 2E, HUHS Call (617) 495-9629 to arrange (clinical clearance required) Fee is \$75/hr; \$40/hr for HUGHP members

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

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

Weight Watchers@Work at HDS classes are available Tuesdays, 1:15-2 p.m. at the Center for the Study of World Religions, 42 Francis Ave. The cost for the series of 12 meetings is \$156. (617) 495-4513, srom@hds.harvard.edu.

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. May 10—The Rev. Nancy S. Taylor, Old South Church, Boston, Mass. May 17—The Rev. Dr. Dorothy A. Austin, 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., May 7—Donald K. Swearer, CMES

Fri., May 8—James R. Russell, Harvard University Sat., May 9—Timothy A. Pantoja ’09, the Memorial Church Mon., May 11—Michael F. Esposito ’09, Harvard College Tue., May 12—Antonia W.H. Fraker ’09, Harvard College Wed., May 13—TBA Thu., May 14—Michael B. McElroy, Harvard University Fri., May 15—Patrick Whelan, HMS Sat., May 16—Andrew C. Forsyth ’09, the Memorial Church Mon., May 18—Richard W. Wrangham, Harvard University Tue., May 19—John L. Ellison, Harvard University Wed., May 20—The Rev. Jonathan C. Page, Epps Fellow in the memorial Church Thu., May 21—The Rev. Dr. Dorothy A. Austin, the Memorial Church

Compline

The ancient service of Compline is held one Thursday a month during term. Based upon the traditional evening litur-

gy of scripture, music, prayers, and silence, this twenty-minute service is sung in the candlelit space of Appleton Chapel by members of the Harvard University Choir. All are welcome. ■ Thu., May 7, at 10 p.m.

Church School

Offering Christian education classes for children ages one through 12. Classes are held in the Buttrick Room from 10:50 a.m. to 12:15 p.m., during Sunday services. All children are welcome. tguthrie@hds.harvard.edu.

Faith & Life Forum

Issues of faith in devotional and public life explored. Meetings take place Sundays at 9 a.m. with continental breakfast and conversation, followed by a speaker and program from 9:30-10:30 a.m. daustin@fas.harvard.edu.

Harvard University Choir

Music in The Memorial Church is provided by the Harvard University Choir, whose members are undergraduate and graduate students in the University. Weekly rehearsals are held from 5 p.m. to 6:30 p.m. on Tuesdays and Thursdays.

Sunday Night Student Service

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

Wednesday Tea

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

Young Women’s Group

Seeks to serve all young college women of Harvard with faith journeys, theological inquiries, and the happenings within our lives. Meetings take place Mondays at 9 p.m. in the Buttrick Room, Memorial Church. tguthrie@hds.harvard.edu.

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. in the Buttrick Room, Memorial Church. E-mail Robert_mark@harvard.edu.

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



Elizabeth Stewart Dunford, 'Paper Charm Book'

May 12-18

'20 Books VI' is an exhibition of artists' books created by students in the introductory Book Art class at Harvard Extension School. The collection showcases handmade books that find novel ways of telling familiar stories and will be on view May 12-18. An opening reception will be held Tuesday, May 12, in the Grossman Common Room, 51 Brattle St., 6-7:30 p.m. See exhibitions, page 23, for more information.



Photos by Ilavenil Subbiah

Andrea Ruedy Trimble, 'a b c structure'

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 Lion of Judah

Spanish/English bilingual services
68 Northampton St., Boston, Mass. (617) 541-4455, info@leondejuda.org, www.leondejuda.org
■ Sunday services: 9 a.m. and noon
■ Adult Discipleship School: Sundays 10 a.m. and noon
■ Kidz for Children: Sundays 10 a.m. and noon

Congregation Ruach Israel

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

Divinity School Chapel

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

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

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

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

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

First Congregational Church Somerville UCC is a progressive community rich in young adults. Come Sunday mornings at 10 a.m. for creative worship and fellowship, or Wednesdays at 6:15 p.m. for Rest and Bread, a reflective communion and prayer service. First Church, 89 College Ave., Somerville.
www.firstchurchsomerville.org.

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

First United Presbyterian Church (PCUSA)
1418 Cambridge St.
Inman Square
(617) 354-3151
www.cambridgepres.com
Sunday Worship at 10 a.m.
Weekly small group for young adults; pallikk@fas.harvard.edu.

Fo Guang San 'V International Buddhist Progress Society holds a traditional service every Sunday at 10 a.m. with a free vegetarian lunch. 950 Massachusetts Ave. Open Mon.-Sun., 10 a.m.-6 p.m. for meditation. (617) 547-6670.

Grace Street Church holds a Sunday evening service at 6 p.m. in the ballroom of the Sheraton Commander Hotel, 16 Garden St. All are welcome. (617) 233-9671, www.gracestreet.org.

Harvard Buddhist Community Chaplain Lama Migmar Tseten offers teachings and meditation sessions at the Sakya Institute for Buddhist Studies, 59 Church St., Unit 3, Harvard Square. (617) 256-3904, migtse@earthlink.net, www.sakya.net.

■ Sundays: "In-Depth Teachings on the Four Noble Truths," 10 a.m.-noon.
■ Tuesdays: Mind training course, "Seven Points of Mind Training," 6-7 p.m. (practice), 7:30-9 p.m. (class).
■ Fridays: "Uttaratantra," 6-7 p.m. (practice), 7:30-9 p.m. (class).

Harvard Chabad holds 10 a.m. morning services during the academic year; winter services at 6:30 p.m.; and services 15 minutes after sundown the rest of

the year. Harvard Chabad, 38 Banks St. For additional programming, schedule, and information, (617) 547-6124, www.chabadharvard.org.

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.

St. Peter's Episcopal Church
(617) 547-7788, www.saintpeterscambridge.org
Located at 838 Massachusetts Ave. in Central Square.
■ Morning prayer services, weekdays at 8 a.m.
■ Evening worship, Wednesdays, at 6 p.m., followed by a meal and forum.
■ Sunday services are 8 a.m. contemplative service, and 10:30 a.m. sung Eucharist with Sunday School. Open to all.

Unity Center Cambridge
Sunday services: 11 a.m. (meditation at 10:30 a.m.)
Morse School Theater, 40 Granite St., Cambridgeport (accessible by red line, green line and buses), www.unitycambridge.org
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 mfunness@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@ctkcambbridge.org, www.ctkcambbridge.org

Harvard Bahá'í Student Association
bahai@hcs.harvard.edu
All events are open to the public. Please write to bahai@hcs.harvard.edu for more information, or subscribe to our announcement list at

<http://lists.hcs.harvard.edu/mailman/listinfo/bahai-list>.

Harvard-Epworth United Methodist Church
1555 Massachusetts Ave.
Cambridge, Mass.
(617) 354-0837
www.harvard-epworth.org
■ Communion service: 9 a.m.
■ Christian education hour for all ages: 10 a.m.
■ Worship service: 11 a.m.

Harvard Hindu Fellowship Meditation Group is led by Swami Tyagananda, Harvard Hindu chaplain from the Ramakrishna Vedanta Society. Meets Mondays, 7-8 p.m., in the Mather House Tranquility Room. Swami_tyagananda@harvard.edu.

Harvard Islamic Society
Harvard Islamic Society Office. (617) 496-8084
www.digitas.harvard.edu/~his
Five daily prayers held in the basement of Canaday E.
Friday prayers held in Lowell Lecture Hall at 1:15 p.m.

Harvard Korean Mission meets on Fridays for Bible Study Group at 7 p.m., and on Sundays for ecumenical worship at 2 p.m. in the Harvard-Epworth United Methodist Church, 1555 Massachusetts Ave. (617) 441-5211, rkahng@hds.harvard.edu.

H-R Asian Baptist Student Koinonia
Friday Night Bible study: Boylston Hall 105, 7 p.m., every Friday. Join us as we continue our study of the Gospel of Matthew this year.
Frosh Mid-Week at Loker 031, 7:30-8:30 p.m., every Wednesday, Freshmen only. iskandar@fas.harvard.edu, www.hcs.harvard.edu/~absk.

H-R Catholic Student Center
Saint Paul Church, 29 Mt. Auburn St.
Student Mass: Sun., 5 p.m., Lower Church.

Harvard Hillel
52 Mt. Auburn St. (617) 495-4696
www.hillel.harvard.edu
■ Reform Minyan: Fri., 5:30 p.m.
■ Orthodox Minyan: daily, 7:30 a.m. and 15 minutes before sundown; Sat., 9 a.m. and 1 hour before sundown
■ Conservative Minyan: Mon. and Thu., 8:45 a.m.; Fri., 5:45 p.m.; Sat., 9:30 a.m., 1:45 p.m., and 45 minutes after sundown.
■ Worship and Study Minyan (Conservative): Sat., 9:30 a.m.

H-R Humanist Chaplaincy
A diverse, inclusive, inspiring community of Humanists, atheists, agnostics, and the non-religious at Harvard and

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beyond. For up-to-the-minute updates, join Chaplain Greg Epstein on Facebook, www.facebook.com. Join us: www.harvardhumanist.org for e-newsletter, event details, and more. Humanist Graduate Student Pub Nights: Queen’s Head Pub, Memorial Hall, every other Thursday.
“Humanist Small Group” Sunday Brunch: every other Sunday. For Harvard students, faculty, alumni, and staff.

Cambridge Friends Meeting meets for worship Sundays at 10:30 a.m. and 5 p.m., Wednesdays at 8:30 a.m., 5 Longfellow Park, off Brattle St. (617) 876-6883.

Cambridgeport Baptist Church (corner of Magazine St. and Putnam Ave., 10-minute walk from Central Square T stop) Sunday morning worship service at 10 a.m. Home fellowships meet throughout the week. (617) 576-6779, www.cambridgeportbaptist.org.

First Church in Cambridge (United Church of Christ) holds a traditional worship service Sundays at 11 a.m. and an alternative jazz service Sunday afternoons at 5:30 p.m. Located at 11 Garden St. (617) 547-2724.

Lutheran — University Lutheran Church, 66 Winthrop St., at the corner of Dunster and Winthrop streets, holds Sunday worship at 10 a.m. through Labor Day weekend and 9 and 11 a.m. Sept. 10-May, with child care provided. UniLu Shelter: (617) 547-2841. Church and Student Center: (617) 876-3256, www.unilu.org.

Old Cambridge Baptist Church, 1151 Mass. Ave. and 400 Harvard St. (behind the Barker Center and the Inn at Harvard), holds Sunday morning worship at 10:30 a.m. Please join this inclusive, progressive congregation in the American Baptist tradition. www.oldcambridgebaptist.org, (617) 864-8068.

Swedenborg Chapel: Church of the New Jerusalem (617) 864-4552, <http://swedenborgchapel.org/> Located at the corner of Quincy St. and Kirkland St.
■ Bible Study, Sundays at 10 a.m.
■ Services, Sundays at 11 a.m.
■ Community Dinner, Thursdays at 6 p.m.
■ Swedenborg Reading Group, Thursdays at 7 p.m.

Cambridgeport Baptist Church, (617) 576-6779
Christ Church, (617) 876-0200
Episcopal Chaplaincy, (617) 495-4340
First Parish in Cambridge, Unitarian Universalist, (617) 495-2727
Harvard-Epworth United Methodist Church, (617) 354-0837
Old Cambridge Baptist Church, (617) 864-8068
St. Paul Church, (617) 491-8400
Swedenborg Chapel, (617) 864-4552
The Memorial Church, (617) 495-5508

support/social

Support and Social groups are listed as space permits.
The **Berkman Center for Internet and Society Thursday Meetings @ Berman**, a group of blogging enthusiasts and people interested in Internet technology, meets at the Berkman Center on the second floor of 23 Everett St., Cambridge, on Thursday evenings at 7 p.m. People of all experience levels and those who would like to learn more about weblogs, XML feeds, aggregators, wikis, and related technology and their impact on society are welcome. <http://blogs.law.harvard.edu/thursdaymeetings/>.

The **COACH Program** seeks Harvard college and graduate students to serve as “college coaches” in the Boston

Public Schools to assist young people in applying to college and developing plans for after high school. COACH is looking for applicants interested in spending about three hours per week working with high school juniors and seniors in West Roxbury. Interested students should call (917) 257-6876 or e-mail asamuels@law.harvard.edu.

Harvard’s EAP (Employee Assistance Program) provides free, confidential assessment and referral services and short-term counseling to help you work through life’s challenges. Harvard faculty, staff, retirees, and their household members can access the following services throughout the U.S. and Canada 24 hours a day, 7 days a week: confidential assessment, information, referral; consultation to supervisors around employee well-being, behavior, or performance; individual and group support around a workplace crisis, serious illness, or death; and on-site seminars. In addition, Harvard’s EAP can help with workplace conflicts, personal and family relationships, eldercare planning, legal consultations, financial counseling and planning, sexual harassment, workplace and domestic violence, alcohol and drug use, and more. To schedule an appointment near your office or home, call the EAP’s toll-free number at **1-EAP-HARV (1-877-327-4278)**. Counselors are available to answer your calls from 8:30 a.m. to 7 p.m. Monday through Thursday, and from 8:30 a.m. to 5 p.m. on Friday; urgent calls will be answered by crisis clinicians round the clock. You may also visit www.wellnessworklife.com for further information and access to other resources available to you as a Harvard employee (there is a one-time confidential registration process; please visit www.harvie.harvard.edu for login instructions).

Harvard Lesbian/Bisexual/Transgender/Queer Women’s Lunch is a chance for lesbian/bi/trans/queer women staff and faculty at Harvard to meet informally for lunch and conversation. Meetings take place 12:30-1:30 p.m. in the graduate student lounge on the 2nd floor of Dudley House. You can bring lunch or buy at Dudley House. E-mail jean_gauthier@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 spoussupport@gmail.com for location and time of meetings and check www.hsspa.harvard.edu for events.

Harvard Toastmasters Club helps you improve your public speaking skills in a relaxed environment. For Harvard students from all Schools and programs. Meetings are Wednesdays, 6:45-7:45 p.m., in room 332, Littauer Building, HKS. jkhartshorne@gmail.com.



The Harvard Trademark Program has redesigned its Web site to better meet the needs of the public and members of the Harvard community who are seeking information about the Harvard Trademark Program’s licensing activities and trademark protection efforts as well as information regarding the various policies governing the proper use of Harvard’s name and insignias. trademark_program@harvard.edu, www.trademark.harvard.edu.

Harvard Veterans Alumni Organization is open to all members of the Harvard University community who are, or have served, in the U.S. military. Visit www.harvardveterans.org for information and to participate.

LifeRaft is an ongoing drop-in support group where people can talk about their own or others’ life-threatening illness, or about their grief and bereavement. Life Raft is open to anyone connected with the Harvard Community: students, faculty, staff, retirees, and families. Life Raft is free and confidential and meets on Wednesdays, noon-2 p.m. in the Board of Ministry Conference Room on the ground floor of the Memorial Church. Come for 10 minutes or 2 hours. (617) 495-2048, bgilmore@uhs.harvard.edu.

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

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

On Harvard Time is Harvard’s new, weekly 7-minute news show that will cover current news from a Harvard 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*,

May 17
The Harvard Museum of Natural History presents a family program with geologist Charles Ferguson Barker, author of ‘Under New England: The Story of New England’s Rocks and Fossils,’

Sunday, May 17, at 26 Oxford St., 2-3 p.m. Free with the price of admission. Call (617) 495-3045, e-mail hmnh@oeb.harvard.edu, or visit www.hmnh.harvard.edu for more information.

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

Weight Watchers@Work at HDS classes are available Tuesdays, 1:15-2 p.m. at the Center for the Study of World Religions, 42 Francis Ave. The cost for the series of 12 meetings is \$156. (617) 495-4513, srom@hds.harvard.edu.

studies

Studies are listed as space permits.
Acne Study: Researchers seek people 12 years or older with facial acne to determine the safety and effectiveness of an investigational drug for acne. The study consists of 5 visits over 12 weeks and subjects will receive up to \$200 in compensation for time and travel. Study visits are required approximately every 2 to 4 weeks. To participate, the subject must stop all other treatments for acne except emollients approved by the study doctor. (617) 726-5066, harvardskinstudies@partners.org.

Atypical Antipsychotics Study: Researchers seek pregnant women between the ages of 18 and 45 that are currently treated with one or more of the following atypical antipsychotics: Abilify, Clozaril, Geodon, Invega, Risperdal, Seroquel, Zyprexa. The study will involve three brief phone interviews over an 8-month period. (866) 961-2388.

Cocaine Usage Study: Researchers seek healthy men ages 21-35 who have used cocaine occasionally for a two-visit research study. Subjects will be administered cocaine and either flutamide or premarin and undergo an MRI and blood sampling. \$425 compensation

upon completion. Taxi is provided. (617) 855-2883, (617) 855-3293. Responses are confidential.

Brain Imaging Study: Researchers seek healthy women ages 24-64 who are nonsmoking 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: Visual Processing and Reading Ability: Researchers seek people ages 17-45 with dyslexia. Study takes 2 hours. The first part involves completing a series of problem-solving activities, including a brief measure of word reading. The second part will involve viewing visual patterns (checkerboards) on a computer screen while brain activity is measured; non-invasive electrodes will be used to record brain activity. Compensation is a \$50 Amazon gift certificate. To participate, documentation describing dyslexia should be submitted, or consult the researcher. larsen303@yahoo.com.

Diabetic Foot Pain Study: Researchers seek participants with diabetic foot pain to evaluate an investigational medication for treating diabetes-caused pain. Participants will have nine outpatient hospital visits over 17 weeks. All study-related costs at no charge; compensation will be provided. (617) 525-PAIN (7246), PainTrials@partners.org.

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

Hearing Study: Researchers seek healthy men and women ages 30 to 65 for a non-invasive hearing study. Participation involves approximately nine hours of hearing tests. Compensation provided. (617) 573-5585, hearing@meei.harvard.edu.

Hispanic and African-American Participants for First Impressions of Faces Study: Researchers seek men and women ages 18 and older who identify themselves as African/African-American, or Hispanic with 20/20 corrected vision and ability to read English to participate in an hour-and-a-half long non-invasive study of first impressions. Participants will be shown photographs of women’s faces on a computer screen and will be asked to record their perceptions of them, and then fill out a brief questionnaire. Compensation is \$20. (617) 726-5135, blinkstudies@gmail.com.

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

Nerve Pain Study: Researchers seek individuals ages 18-65 who have been diagnosed with a nerve pain condition for at least 3 months to evaluate the effectiveness of an FDA-approved sleep medication on nerve pain. The study consists of four visits, eight phone interviews, keeping sleep and pain diaries, completing questionnaires, a urine and blood test, physical exam, and taking study medication. Compensation provided. (617) 724-6102, toll-free at 1-888-No-2-Ouch, cmalarick@partners.org, www.massgen-eral.org/painresearch.

Opportunities



Job listings posted as of May 7, 2009

Harvard is not a single place, but a large and varied community. It is comprised of many different schools, departments and offices, each with its own mission, character and environment. Harvard is also an employer of varied locations.

Harvard is strongly committed to its policy of equal opportunity and affirmative action. Employment and advancement are based on merit and ability without regard to race, color, creed, sex, sexual orientation, disability, national origin or status as a disabled or Vietnam-era veteran.

How to Apply:
To apply for an advertised position and/or for more information on these and other listings, please visit our Web site at <http://www.employment.harvard.edu> to upload your resume and cover letter.

Explanation of Job Grades:
Most positions at Harvard are assigned to a job grade (listed below with each posting) based on a number of factors including the position’s duties and responsibilities as well as required skills and knowledge.

The salary ranges for each job grade are available at <http://www.employment.harvard.edu>. Target hiring rates will fall within these ranges. These salary ranges are for full-time positions and are adjusted for part-time positions. Services & Trades positions are not assigned grade levels. The relevant union contract determines salary levels for these positions.

Other Opportunities:
All non-faculty job openings currently available at the University are listed on the Web at <http://www.employment.harvard.edu>.

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/dingajob/>.

Please Note:
The letters “SIC” at the end of a job listing indicate that there is a strong internal candidate (a current Harvard staff member) in consideration for this position.

Academic

Research Fellow (Postdoctoral) Req. 36426, Gr. 000
Harvard School of Public Health/Biostatistics
FT (4/2/2009)

Alumni Affairs and Development

Director of Development, Corporations and Foundations Req. 36545, Gr. 060
Harvard Medical School/Resource Development
FT (4/23/2009)
Senior Development Officer Req. 36558, Gr. 059
Harvard Business School/External Relations
FT (4/30/2009)

Arts

Assistant Technical Director (Mechanical) Req. 36316, Gr. 055
American Repertory Theatre/A.R.T. Scene Shop
FT (3/12/2009)

Athletics

Assistant Director of Strength and Conditioning Req. 36515, Gr. 055
Faculty of Arts and Sciences/Athletics
FT, SIC, (4/23/2009)
Assistant Coach of Women’s Basketball Req. 36455, Gr. 056
Faculty of Arts and Sciences/Athletics
FT, SIC, (4/9/2009)
Assistant Coach of Men’s Swimming Req. 36453, Gr. 055
Faculty of Arts and Sciences/Athletics
PT (4/9/2009)

Communications

Research Administrator/Science Editor Req. 36291, Gr. 056
Faculty of Arts and Sciences/Molecular & Cellular Biology
FT (3/5/2009)
Associate Director of Communications Req. 36429, Gr. 058
Harvard Business School/Marketing and Communication
FT (4/2/2009)

Facilities

Area Manager in the Houses Req. 36376, Gr. 057
Faculty of Arts and Sciences/FAS Physical Resources & Planning
FT (3/26/2009)
Crew Chief A Req. 36578, Gr. 007
Harvard Medical School/Custodial Services
Union: SEIU Local 615 Custodial Group, FT (5/7/2009)
Custodian A Req. 36556, Gr. 003
Harvard Medical School/Custodial Services
Union: SEIU Local 615 Custodial Group, FT (4/30/2009)
Auxiliary Operating Engineer Req. 36410, Gr. 029
University Operations Services/Engineering & Utilities
Union: ATC/IUOE Local 877, FT (4/2/2009)

Faculty & Student Services

Assistant Dean for Admissions Req. 36549, Gr. 060
Harvard Law School/Admissions
FT (4/23/2009)
Assistant Dean of Students and Alumni Affairs for the Division of Continuing Education Req. 36529, Gr. 058
Division of Continuing Education/Dean of Students
FT (4/23/2009)
Assistant Director for JD Advising Req. 36579, Gr. 057
Harvard Law School/Office of Career Services
FT (5/7/2009)

Finance

Sponsored Research Administrator Req. 36308, Gr. 056
Faculty of Arts and Sciences/Stem Cell & Regenerative Biology

FT (3/12/2009)
Senior Sponsored Research Administrator Req. 36601, Gr. 056
Harvard Medical School/Sponsored Programs Administration
FT (5/7/2009)
Senior Grants and Contract Specialist (FAS Life Sciences Team) Req. 36564, Gr. 058
Financial Administration/Office of Sponsored Programs
FT (4/30/2009)
Information Security Project Manager and Analyst Req. 36422, Gr. 057
Faculty of Arts and Sciences/FAS Office of Finance
FT (4/2/2009)
Financial Analyst Req. 36527, Gr. 056
Faculty of Arts and Sciences/HSCI
FT (4/23/2009)
Controller Req. 36489, Gr. 059
Harvard Law School/Financial Services
FT (4/16/2009)
Assistant Director of Sponsored Programs Req. 36424, Gr. 058
Harvard School of Public Health/Sponsored Programs Administration
FT (4/2/2009)
Senior Grants and Contract Specialist (FAS Physical & Social Sciences Team) Req. 36510, Gr. 058
Financial Administration/Office of Sponsored Programs
FT (4/16/2009)
Financial Aid Officer Req. 36600, Gr. 056
Division of Continuing Education/Financial Services
FT (5/7/2009)
Grants and Contracts Specialist Req. 36339, Gr. 056
School of Engineering & Applied Sciences
FT (3/19/2009)

General Administration

Assistant Dean for Diversity/ Director, Program to Eliminate Health Disparities Req. 36420, Gr. 061
Harvard School of Public Health/Academic Affairs
FT (4/2/2009)
Regulatory Affairs Officer Req. 36571, Gr. 056
Harvard Medical School/CTSC
FT (4/30/2009)
Program Manager Req. 36293, Gr. 056
University Administration/Harvard Initiative for Global Health
FT (3/5/2009)
Director of Administration Req. 36478, Gr. 059
Harvard School of Public Health/Global Health and Population
FT (4/16/2009)
Chief of Staff Req. 36471, Gr. 061
Harvard Medical School/Dean’s Office
FT (4/16/2009)
Associate Director for Neuroimaging Req. 36511, Gr. 057
Faculty of Arts and Sciences/Center for Brain Science
FT (4/16/2009)
Compliance Instructional Designer Req. 36361, Gr. 057
Harvard School of Public Health/Office of Financial Services
FT (3/19/2009)
Regulatory Affairs Operations Manager Req. 36570, Gr. 058
Harvard Medical School/CTSC
FT (4/30/2009)
Director, First Year Legal Research and Writing Program Req. 36371, Gr. 060
Harvard Law School/First Year Legal Research and Writing Program
FT (3/26/2009)
Director of Center for Wellness & Health Communications Req. 36583, Gr. 057
University Health Services/Behavioral Health and Academic Counseling
FT, SIC, (5/7/2009)
Program Manager Req. 36501, Gr. 055
Harvard School of Public Health/Division of Public Health Practice
FT (4/16/2009)
Senior Administrator of Physician Training Req. 36504, Gr. 059
Harvard Medical School/CTSC
FT (4/16/2009)

Assistant Provost for Research Policy Req. 36514, Gr. 060
University Administration/Office for Research and Compliance
FT (4/23/2009)
Events Coordinator Req. 36597, Gr. 056
School of Engineering & Applied Sciences/Wyss Institute
FT (5/7/2009)
Associate Research Director for Financial Design Req. 36320, Gr. 058
Faculty of Arts and Sciences/ideas42
FT (3/12/2009)
Administrator Req. 36574, Gr. 056
School of Engineering & Applied Sciences/Wyss Institute
FT (4/30/2009)
Assistant Director, Surveys & Analysis Req. 36392, Gr. 057
Graduate School of Education/COACHE
FT (3/26/2009)

Health Care

Occupational Health and Safety Nurse Req. 36524, Gr. 057
Harvard Medical School/NEPRC
FT (4/23/2009)

Human Resources

Senior Human Resource Consultant Req. 36595, Gr. 058
Harvard College Library/Harvard College Library Human Resource Services
FT (5/7/2009)

Information Technology

Systems Administrator for Neuroimaging Req. 36328, Gr. 057
Faculty of Arts and Sciences/FAS IT
FT (3/12/2009)
SAS Programmer (II) Req. 36497, Gr. 056
Harvard School of Public Health/Center for Biostatistics in AIDS Research
FT (4/16/2009)
Director of Information Systems for Harvard College Financial Aid Req. 36364, Gr. 059
Faculty of Arts and Sciences/Harvard College Financial Aid
FT (3/19/2009)
Research Computing Associate for Informatics Req. 36423, Gr. 058
Faculty of Arts and Sciences/FAS IT
FT (4/2/2009)
Scientific Systems Administrator Req. 36366, Gr. 057
Harvard School of Public Health/Biostatistics
FT (3/26/2009)
Senior Network Engineer Req. 36604, Gr. 058
Harvard Business School/Information Technology Group
FT (5/7/2009)
Scientific Programmer Req. 36528, Gr. 056
Harvard Medical School/CBMI
FT (4/23/2009)
Program Manager, Project Management Office Req. 36561, Gr. 059
Harvard Business School/InformationTechnology Group
FT (4/30/2009)
Technical Support Analyst Req. 36523, Gr. 056
Harvard Law School/Information Technology Services
FT (4/23/2009)
Scientific Data Curator Req. 36505, Gr. 056
Harvard School of Public Health/Biostatistics
FT (4/16/2009)

Library

Head of Cataloging Req. 36503, Gr. 057
Harvard Divinity School/Andover-Harvard Theological Library
FT (4/16/2009)
Project Book Conservator Req. 36563, Gr. 056
Harvard University Library/Weissman Preservation Center
FT (4/30/2009)
Head of Cataloging Req. 36502, Gr. 058
Harvard Divinity School/Andover-Harvard Theological

Library
FT (4/16/2009)

Research

Research Analyst Req. 36309, Gr. 056
Harvard School of Public Health/Center for Biostatistics in AIDS Research
FT (3/12/2009)
Clinical Project Director Req. 36357, Gr. 057
Harvard Medical School/Psychiatry
FT (3/19/2009)
Research Analyst Req. 36517, Gr. 056
Harvard School of Public Health/Biostatistics
FT (4/23/2009)
Director, Collaborative Mouse Behavior Core Req. 36606, Gr. 059
Harvard Medical School/Harvard NeuroDiscovery Center
FT (5/7/2009)
Scientific Programmer Req. 36383, Gr. 057
Harvard School of Public Health/Epidemiology: Program in Molecular and Genetic Epidemiology (PMAGE)
FT (3/26/2009)
Research Associate Req. 36607, Gr. 055
Harvard Business School/Division of Research & Faculty Development
PT (5/7/2009)
Research Analyst Req. 36498, Gr. 056
Graduate School of Education/Center for Education Policy Research
FT (4/16/2009)
Research Analyst Req. 36310, Gr. 056
Harvard School of Public Health/Center for Biostatistics in AIDS Research
FT (3/12/2009)
Research Associate Req. 36608, Gr. 056
Harvard Business School/Division of Research and Faculty Development
FT (5/7/2009)
Scientific Programmer Req. 36334, Gr. 057
Harvard School of Public Health/Epidemiology
FT (3/19/2009)
Research Manager Req. 36540, Gr. 055
JFK School of Government/Center for International Development
FT (4/23/2009)
Research Assistant (II) - Non Lab (Research Specialist) Req. 36440, Gr. 053
Harvard School of Public Health/Nutrition
Union: HUCTW, FT (4/9/2009)
Staff Scientist - Bioinspired Robotics Req. 36495, Gr. 058
School of Engineering & Applied Sciences/Wyss Institute
FT (4/16/2009)
Head of Magnetic Resonance Physics Req. 36553, Gr. 060
Faculty of Arts and Sciences/Center for Brain Science
FT (4/30/2009)
Project Associate Req. 36354, Gr. 090
Faculty of Arts and Sciences/Institute for Quantitative Social Science
FT (3/19/2009)
Statistical Programmer/Data Analyst Req. 36370, Gr. 057
Harvard Medical School/Health Care Policy
FT (3/26/2009)
Project Associate Req. 36353, Gr. 090
Faculty of Arts and Sciences/IQSS ideas42
FT (3/19/2009)

Technical

Manager of X-Ray Crystallography Req. 36323, Gr. 059
Faculty of Arts and Sciences/Chemistry & Chemical Biology
FT (3/12/2009)
Senior Staff Engineer - Automated Materials Synthesis Req. 36436, Gr. 060
School of Engineering & Applied Sciences/Wyss Institute
FT (4/9/2009)
Assistant Director of Research Operations Req. 36462, Gr. 058
Faculty of Arts and Sciences/Stem Cell & Regenerative Biology
FT (4/9/2009)
Neurotechnology Engineer Req. 36554, Gr. 057
Faculty of Arts and Sciences/Center for Brain Science
FT (4/30/2009)



Ang Li '10 (above), who has her own work in the show, looks at a series of images called 'Untitled 2' by Sophia Wong Chesrow '12.

Photos Jon Chase/Harvard News Office



Youngsub Yoon '10 looks at a pair of works by graduate student Ben Jordan.



Rick Stimpfle, a staff scientist at SEAS, admires 'Ali in the Mirror' by Aliza Stone '10.

Art for sale!

First student art sale, silent auction are great success

By Emily T. Simon
FAS Communications

Harvard gave Christie's and Sotheby's a run for their money at the first Harvard Student Art Show on Monday (May 4). The exhibit and sale, held in a bright yellow tent on the Science Center Lawn, featured 160 works of painting, sculpture, photography, and other media such as jewelry and clothing. Students from across the University submitted artwork ranging in price from \$30 to \$8,000.

More than 2,500 students, faculty, staff, **art** and community members filtered through the gallery from its opening at noon until it closed at 9 p.m. A silent auction, held from 6 to 8 p.m., featured 20 works that showcased the diversity of artistic talent at Harvard. Guests at the auction enjoyed a performance by the Harvard Krokodiloes, an all-male a cappella group.

Sixty-eight works of art were sold during the show and auction, but all of the pieces were left on display until closing for visitors to enjoy. The sale generated almost \$11,500 in total — almost all of which went directly to the artists.

The Harvard Student Art Show was conceived and co-founded by Paris A. Spies-Gans '09 and Margaret M. Wang '09. They developed the idea during the annual Harvard Student Arts Leaders Luncheon with President Drew Faust, sponsored by the Office for the Arts at Harvard last October.

"Until now, there has been no real place

for students to sell their art on campus," said Wang. "The administration has been very supportive of the event and we hope it will continue for years to come."

The call for submissions drew more than 500 replies, Spies-Gans said.

"It was an overwhelming response, and demonstrated that there is clearly a demand for an opportunity like this," she said. "It's amazing to see how many people do art — so many people you wouldn't even expect, from all of the different Schools."

A committee of students with a background in the arts evaluated the submissions and selected 160 works for exhibition. They then worked with the artists to determine appropriate pricing. The final step was to curate the inside of the tent and decide what pieces should hang where.

Helen Molesworth, Maisie K. and James R. Houghton Curator of Contemporary Art at the Fogg Art Museum, was one of several faculty members who served on the advisory board for the show. She noted that the event reflected the spirit and aims of Harvard's Task Force on the Arts.

"One of the goals of the Task Force on the Arts was to pull the making of and thinking about art into the daily lives of students and faculty at the College, so this event very much feels like a step in that direction," she said.

The Harvard Student Art Show was sponsored by the Office for the Arts at Harvard and the Office of Student Life and Activities.

Family of 'Doc Burr' donates 'treasure trove of American cinema' to HFA

By Peter Reuell
HCL Communications

It began as a childhood hobby, but for Howard Burr, collecting films became a life-long passion. A dentist by trade, Burr amassed a collection that would make most cinephiles envious: nearly 3,000 films, including many rare prints, B films, and vintage Technicolor prints. To guarantee the collection can be of use to future generations of film students, scholars, historians, and cinephiles, Burr's family recently agreed to give the collection — which also includes posters, promotional materials, nearly complete runs of film collecting and fan magazines, and vintage projectors — to the Harvard Film Archive (HFA).

"This collection is a treasure trove of American cinema, popular culture, and the lost art of film collecting," said Haden Guest, director of the HFA. "The posters alone would represent a significant collection, but to have the film prints, and, in addition to them, the lobby cards, Dr. Burr's correspondence regarding this collecting activities, and even several projectors — it's a wonderful collection."

Though the vast majority of the films collected by Burr date to the classical studio era (1930-60), the collection also includes several reissued prints of films originally produced as early as 1916, as well as more modern films, which date to the early 1980s.

While the films themselves are the heart of the collection, promotional materials

such as the lobby cards and posters can provide scholars with crucial insight into the workings of the studio system, Guest said.

"What's interesting is [that] the publicity materials, like the lobby cards and the posters, were not owned by the studios," Guest said. "They were owned by the National Screen Service, which would actually request the materials be returned to them. Nevertheless, people would find ways to collect it — materials would get 'lost' or just wouldn't be returned. When the National Screen Service closed in the 1960s, this material was dispersed near and far, and since then it's become highly collectible."

Other parts of the collection, such as fan magazines and film collectors' catalogs, offer scholars an important window into the world of film collecting, which was a major

hobbyist activity from the 1950s until the emergence of video as a home-viewing format.

"What are really fascinating are the papers," Guest continued. "The collection includes correspondence between Dr. Burr and other collectors, as well as a wonderful trove of vintage film and fan magazines, many quite rare and in almost complete runs."

Now being processed and cataloged, the collection will gradually be incorporated into the HFA's collection. Though the paper materials may be available sooner, it will likely take several months to process all the films, Coffey said. A finding aid for the material will be available in Harvard Library's online search engine OASIS (Online Archival Search Information System).



Photos Kris Snibbe/Harvard News Office

Poet and critic Dan Chiasson, Ph.D. '02, talks with Arts Medalist John Ashbery '49 (right).

Arts Medalist Ashbery '49 charms audience

By Sarah Sweeney
Harvard News Office

Before John Ashbery '49 was one of the most influential and celebrated poets of modern times, he moonlighted as an English translator of French detective novels under the pseudonym "Jonas Berry." But the self-dubbed "hair-brained, homegrown, Surrealist" poet bestowed his fitting absurdist style to these books, including adding the sex scenes the publisher requested to please American readers.

Honored as this year's Arts Medalist, Ashbery was candid, comical, and soft-spoken on April 30 at the New College Theatre in a ceremony hosted by John

Lithgow '67, and presented by the Office for the Arts and the Board of Overseers of Harvard College.

Harvard President Drew Faust awarded the poet, whose wordplay, disjunctive syntax, humor, and attention to the absurd have made him

a figurehead in American poetry. The medal ceremony kicked off a weekend of events in the annual Arts First celebration.

The proceedings opened with a tribute by Harvard students Liza Flum '10, David Wallace '11, Angelo Mao '10, Erin Blevins '05, Lauren Brozovich '06, Sutopa Dasgupta, a third year Ph.D. candidate, Adam Schefler '05, and Abram Kaplan '10, who recited Ashbery's poems standing in a halo of spotlight, in total stillness.

In an intimate, illuminating conversation, led by poet Dan Chiasson, Ph.D. '02, Ashbery opened a window into his long, colorful life, reminiscing about his college days against a shifting backdrop of his lively, inexplicable collages — a passion discovered during his time at Harvard.

Born in 1927, Ashbery grew up on a farm in upstate New York, but set his sights elsewhere because he "always wanted to live in a city."

"I always felt someone did a number on me," he said. "Putting me on this farm, making me do chores."

Ashbery preferred to live with his uncle in Rochester, N.Y. When Chiasson asked why, he replied: "His house was dark and gloomy in a very pleasant way." Ashbery's father was also prone to violent tantrums; "I was not the son he wanted," admitted Ashbery.

At Harvard, Ashbery resided at Dunster House. He studied alongside other poetic luminaries such as



In an intimate, illuminating talk, Arts Medalist Ashbery opened a window into his long, colorful life, reminiscing about his college days as well as his early days as an art critic and then a poet.

Kenneth Koch, Robert Creeley, Frank O'Hara, Barbara Guest, and Robert Bly, among others.

"We became instant friends," said Ashbery of encountering a young O'Hara at Harvard. Being friends with him was "like a holiday," Ashbery recounted.

Of Creeley, Ashbery garnered laughs, saying, "He dressed in all black — long before Goths."

Originally wanting to be a painter, Ashbery enrolled in a poetry workshop — unusual at the time — and attended campus readings of notable names: W.H. Auden, William Carlos Williams, Marianne Moore, T.S. Eliot, and Wallace Stevens. He was a member of the Harvard Advocate.

Ashbery wrote his senior honor's thesis on the poetry of Auden and met the poet at a Lowell Lecture Hall reading. "I was first in line to have my book signed," he said. Later, Auden would choose Ashbery's first book "Some Trees" to win the Yale Younger Poets Prize in 1956.

But Ashbery's early success is a tale of unusual circumstance. While attending an all-boy's academy, a classmate of Ashbery's snagged one of his poems and submitted it to Poetry magazine under a pseudonym without Ashbery's permission. The poem was accepted and, shortly after, both students were Harvard freshmen. When Ashbery learned of the deed, he confronted his friend. "[The magazine] came out that December, and I said, 'What the hell are you doing?' and he said, 'Oh, I'm sorry, I won't do it again.' He did."

Ashbery and his Harvard classmates Koch, O'Hara, and Guest would later achieve recognition as members of the "New York School," a loosely aligned contemporary avant-garde movement of the 1950s and '60s.

During the mid-'60s, Ashbery made a living as an art critic in New York City, where he became acquainted with Andy Warhol. He worked for Newsweek magazine, among other periodicals, and jetted around the country attending art shows. Ashbery called journalism a "nightmare world of deadlines" and confessed he still suffered bad dreams centered on his journalistic jaunts.

When his book "Self-Portrait in a Convex Mirror" was published in 1975, it won all major literary awards that year: the Pulitzer Prize, the National Book Award, and the National Book Critics Circle Award.

Life for Ashbery would never be the same.

He recalled first seeing a copy of the Parmigianino painting that would inspire his most famous poem in 1950. On a trip to Vienna, Ashbery laid eyes on the real thing in 1959, calling it "haunting, beguiling," and "surprisingly tiny with an unearthly glimmer," noting that he "filed it away as something I'd like to do something about."

Ashbery "did something about it" in Provincetown, Mass., when he began composing the poem that would become the title of his immensely influential book. "Self-Portrait in a Convex Mirror" took five months to write, recalled Ashbery. It is widely considered to be a masterpiece of 20th century literature.

In her speech, Faust called Ashbery "an impossible hybrid, noting that even recently someone called him, 'an outlaw and a classic.'"

"On the classic side, John Ashbery has won more prizes than any living author," she said. "Ever an outlaw, he resists capture."

Ashbery made his way to the podium as the crowd rose for a standing ovation. He thanked the students, calling their performance "heart-rending," but candidly added, "If I knew this was going to happen, I probably would have made arrangements that probably would have led to its not happening." As the crowd laughed, Ashbery smiled. "Thank you," he said.

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A day at Arts First,
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Jen Sullivan '09 (left) bullies Ryan Halprin '12 in The Sunken Garden Children's Theatre performance.

Talent takes to the street ... and stage



Harvard Bhangra dances into Harvard Yard as part of the long weekend's celebrations.



The Harvard Band marches into Harvard Yard past Massachusetts and Harvard halls.

By Sarah Sweeney
Harvard News Office

Behind a large white tent in front of the Science Center, Harvard University Dining Services staff members worked over sizzling grills, cooking hot dogs and hamburgers to feed a large crowd of staff, students, and Greater Cambridge residents. It was early, but a few stragglers streamed from the tent carrying plates of grilled chicken, pasta salad, and corn on the cob, and cups of lemonade. The smell of charcoal and smoke wafted through the air. It could only mean one thing: Arts First weekend.

While the weather appeared dicey, sunshine ultimately reigned for this year's Arts First festival, held April 30-May 3 across the Harvard and Radcliffe campuses.

Over by Johnston Gate, Harvard University Band member Jay Pritchett '11 slept in the grass while others looked over sheet music. Minutes later, he was marching into the Yard with the band, singing Harvard fight songs, intermittently clapping and whooping: *Ten thousand men of Harvard want victory today.*

Max Meyer '12 sang along. "This is our first year attending Arts First," he said of himself and cohort Meng Li '12. "We're freshmen."

"I'm just wondering where all the students are," he said of a crowded Yard, filled mostly with families, tots in tow.

The colorful, dancing Harvard Bhangra followed the University Band. As the band marched off into the distance, the Bhangra members, wearing traditional Indian garb, danced barefoot in the green grass as onlookers clapped their hands and nodded to the music.

Blocks away at the Radcliffe Institute's Sunken Garden, members of the Sunken Garden Children's Theatre applied wigs and tied on colorful scarves for their next performance. To warm up, they gathered in a circle and jumped up and down, singing the classic "Build Me Up Buttercup." Then, hollering and waving their hands, they ran into the garden, much to the delight of

dozens of children. "The whole world's on fire!" they yelled in unison.

The premise of the play was simple. "The Story of Phil Apollo" centered on Phil, the son of Apollo, who accidentally sets the world on fire. Bullied by his peers for being "un-cool," Phil eventually learns that being true to one's self is the coolest thing of all.

Wearing a bow tie and curly brown wig, Ryan Halprin '12 played protagonist Phil who, at one point, in an attempt to seem more hip to his friends, turns into the rapper "Schmil Schmapollo." Kids squealed, adults laughed, a toddler rolled through the lawn. Fun was being had by all.



Somerville resident and Arts First-goer Kate Fanger laughed along with her 6-year-old daughter Natalie. "This is our first year," said Fanger. What other activities were

on the agenda? "Mariachi, the jazz lunch, juggling," she answered.

Under the crystal chandeliers of Dudley House, pianist Emil Pitkin '09 played the works of Chopin, Schumann, and Rachmaninoff; meanwhile, the Harvard Irish American Society and Celtic Club dazzled onlookers at Phillips Brooks House, thanks to the fiddling prowess of Sally Joyce Kiebdaj '10, with flutist Sam Brotherton '12 and hand-drummer Adam Hallowell '09.

Inside Cambridge Queen's Head Pub in Memorial Hall, Nelson Greaves '10 and Alex Petri '10 looked over their notes, scribbling last-minute jokes. Behind them, a dim stage with a lone microphone and an audience waiting.

"We're the Harvard College Stand-up Comic Society," said Greaves. "Or SUCS," he joked.

Comics Dave Rhein '09 and Greg Kestin of the Graduate School of Arts and Sciences successfully garnered laughs, while Greaves said he felt compelled to tell some jokes about his family, pointing out his mother in attendance. "A guy walks into a bar," said Greaves of his father, "and stays there my entire childhood."

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Sam Brotherton '12 (from left), Sally Joyce Kiebdaj '10, and Adam Hallowell '09 perform Irish traditional dance music. Nelson Greaves '10 (far right), co-president of the Harvard College Stand-Up Comic Society, performs his routine at Cambridge Queen's Head Pub.



Photos Rose Lincoln/Harvard News Office