



Erison Hurtault (CC'07) captured record title at Ivy League Heptagonals.

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The Record

COLUMBIA UNIVERSITY

VOL. 32, NO. 13

NEWS AND IDEAS FOR THE COLUMBIA COMMUNITY

MAY 14, 2007

Columbia's Most Senior Graduate

By Bridget O'Brian

Many graduate students know what it feels like to be ABD—all-but-dissertation. Few know the feeling as well as Max Horlick.

Horlick, 89, will receive his doctorate in French literature this spring, more than a half century after defending his dissertation.

Horlick's academic career was interrupted several times, first when he was drafted into the Army during World War II. Later, after his wife became ill and with children to support, he abandoned his quest for a doctorate. Last year, hoping to get him an honorary Ph.D., his children appealed to the University to accept the dissertation, "The Literary Judgment of Michel de Montaigne."

Instead, University officials asked to see the original work to assess whether to grant the actual degree. Horlick, who hadn't known about his children's plan, was "astounded," he said. "I wished them luck, but actually I was not sanguine about it."

In March, Pierre Force, chair of the Department of French, emailed the good news to Horlick's children and the dean of the Graduate School of Arts and Sciences. "It's a fine piece of work on an interest-

It took 50 years, but Max Horlick, 89, gets his Ph.D.

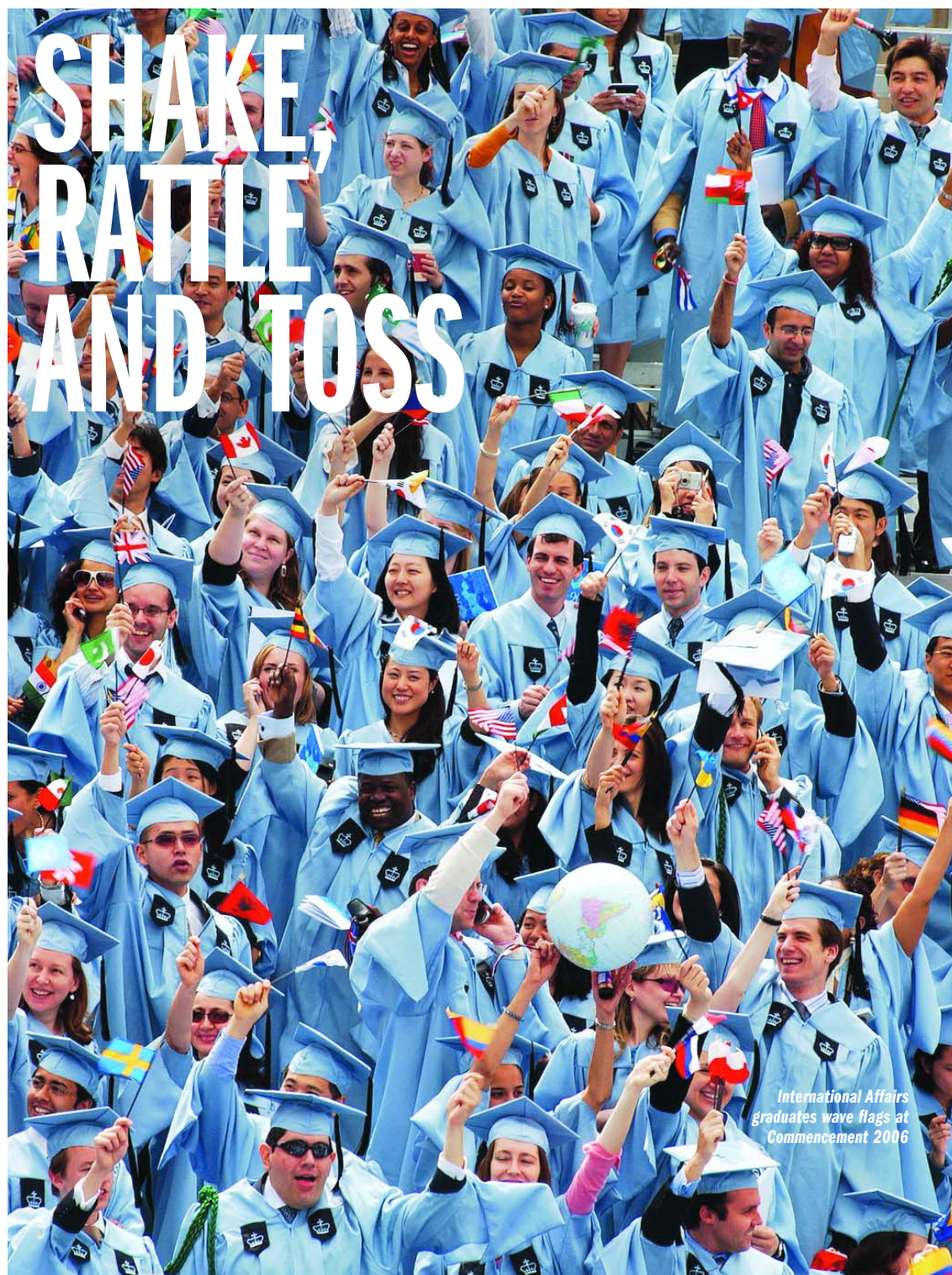
ing topic," wrote Force, who was on the committee that read Horlick's 180-page paper. "Our recommendation to Dean Pinkham is that Max Horlick be retroactively granted a 1954 Ph.D."

When Columbia grants 11,706 degrees at this year's commencement, Horlick, class of 1954, will certainly be the oldest. The registrar's office wasn't certain if he is Columbia's oldest graduate ever.

Growing up in a tiny New Jersey farming community of immigrants, Horlick quickly discovered an ear for languages—he eventually learned 10 of them. After getting a degree in French from Rutgers, he married and started graduate work at Columbia, only to be drafted. His language skills got him into military intelligence, and he served in the Battle of the Bulge, questioning captured German officers.

After the war, Horlick taught at St. Lawrence University, spending summers working on his doctorate. He wrote his dissertation and

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International Affairs graduates wave flags at Commencement 2006

EILEEN BARROSSO

SHAKE, RATTLE AND TOSS

By Candace Taylor

Don't be surprised to see an apple core whizzing through the air during commencement ceremonies. It's no sign of disrespect or of boredom. Indeed, it's a longstanding Columbia ritual.

At the University's 253rd commencement on May 16, each school's blue-robed graduates will liven up the two-hour-long proceedings with fervent shaking and tossing of objects representing their respective academic programs. The apple cores, hurled by Columbia College graduates who have chomped through the apples they bring to the ceremony, represent the Core Curriculum, which requires all of the college's students to take a battery of courses in art, literature, philosophy, history, music and science.

Such graduation-day hijinks are "definitely a Columbia tradition," said Karma Lowe, assistant director of student services at the School of Social Work and a Columbia College graduate.

This year, nursing students will shake Columbia blue-and-white pompoms, confetti and gold stars. Soon-to-be doctors will let surgical gloves fly. Students from the School of International and Public Affairs will wave

Graduates toss newspapers, dental floss, apple cores, and money

miniature flags representing graduates' nationalities, and the architecture school will measure up with plastic protractors. Future lawyers will brandish rubber gavels. "The law school doesn't throw things—that might hit someone and be a liability," said a school spokeswoman.

The College of Dental Medicine will likely elicit the biggest smiles as graduates carry five-foot-tall plastic toothbrushes in the commencement procession. When it comes time to throw, however, they will hurl regular-sized toothbrushes and floss "since we're all about prevention of disease," said Dr. Martin Davis, associate dean for student and alumni affairs at the dental school.

At Columbia Business School, M.B.A. students typically wave Monopoly money or fistfuls of cash. That didn't go over well last year, as the crowd unleashed a chorus of boos, said Rob Torti, president of the Graduate Business Association. This year, B-schoolers hatched a plan to use copies of *The Wall Street Journal*, but Journalism School class officers quickly emailed to let the business students know they'd be infringing on that school's longstanding tradition of lobbing shredded newspapers. It will most likely come down to cold, hard cash. "There was nothing we could point to that represented commerce more than money," Torti said.

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RECORD-BREAKING GRADUATION

By Dan Rivero

This year's Columbia commencement ceremony will confer degrees on nearly 12,000 students, making this the largest group of students to graduate from the University's 18 schools in its 253-year history.

Over the past weeks, the center of Columbia's campus has been turned into an arena that will seat a total of 40,000 graduates, their families and guests. Students from 200 countries will receive degrees in disciplines ranging from applied mathematics to Yiddish studies.

In addition to celebrating the accomplishments and promise of this year's graduates, the University also will honor distinguished leaders who have shaped the world, expanded the frontiers of research and teaching, and supported the University's growth and development.

Following Columbia tradition, President Lee C. Bollinger will deliver the commencement address and bestow honorary

12,000 Graduates, Eight Honorary Degrees, One Speech.

degrees on eight recipients, referred to as 'honorands' at Columbia and some other schools. They include the former president of the Israeli Supreme Court, a pediatric neurosurgeon, a fellow university president, as well as historians, scientists, and professionals who stand out in their fields. Five faculty members will be recognized for excellence in teaching and 10 alumni medals will be bestowed on graduates who have worked hard on behalf of their respective schools. (A complete list of honorands and honorees are on pages six and seven.)

Of this year's graduating class, 1,227 come from outside the United States. China has the most of any foreign nation with 110, and South Korea isn't far behind with 104. Albania, Bangladesh, Bosnia, Cyprus, Ecuador, the Ivory Coast, Jamaica, Jordan, Norway, Rwanda, and the Ukraine each can claim at least one 2007 graduate.

Giant television screens broadcasting the procession, the speeches and everything in between will tower over the guests. For those who can't be there, the ceremony will be streamed live on the university's Web site.



A Grandmother Inspires Generations of Columbians

By Dan Rivero

In the sea of proud parents and grandparents attending commencement this spring, surely Magda Hanus will stand out.

The 83-year-old Holocaust survivor has four grandchildren graduating from Columbia this year, three of them this month.

Hanus, a mother of four, grandmother of 13 and great-grandmother of two, plans to attend the May 16 commencement ceremonies. She will travel from Skokie, Ill., where she still runs the clothing store Rich's Britches, which she started with her late husband.

"I am very proud of my grandchildren," Hanus said. "They are very smart and ambitious and have received a wonderful education at Columbia. They have made brilliant accomplishments."

Talk to her grandchildren and they will tell you she is the most important influence in their lives. They credit her with teaching them by her example to respect life, value education and give back to society.

Hanus had just completed her high school education when her life took a grim turn. It was 1941 and Hitler's storm troopers had marched into Barty, Hungary. Sent to the Auschwitz concentration camp, Hanus came face to face with the horror of the Holocaust: her parents, grandparents and three brothers were all killed.

After the war, Hanus and her youngest sister, Erica—the only other surviving member of the family—moved to Humene, Slovakia, where an aunt took care of them. She met her husband, John, another Auschwitz survivor, in late 1945, and they married after a three-month courtship. They moved to Prague and in 1951 found their way to Skokie to start life anew.

Hanus' oldest granddaughter, Edythe Hanus (BC'00, SIPA'02) will receive her doctorate from the School of Public Health and will serve as class speaker; younger sister Rebecca Hanus will get her Master of Science from the School of Social Work. Julie Hanus, the youngest of the sisters, will be graduating from Barnard. A fourth grandchild, Jonathan, is scheduled to receive his Master of Science in real estate development from the School of Architecture in October. Together with Edythe's husband, Jacob Kupietzky (CC'99, SIPA '00), the family will hold eight degrees from Columbia.



Standing: Jonathan Hanus, Rebecca Hanus, Magda Hanus, Barbara Hanus (Mother) and George Hanus (Father) Sitting: Julie Hanus, Edy Hanus Kupietzky and Jacob Kupietzky holding their 2 year old children, Joshua and Kayla.

Edythe has made Columbia something of a second home, spending the last 12 years at the Morningside and medical school campuses, studying urban affairs and public health. Her enthusiasm drew her siblings to Columbia—Rebecca did not apply anywhere else when she decided to get a master's

degree in social work. Edythe says her siblings' accomplishments belong to their grandmother as well.

Rebecca thanks Edythe and Magda for inspiring her and calls Magda the rock that holds the family together. "She makes people want to become better just by knowing her," she said.

Pomp and Circumstance on Low Plaza

Dear Alma's Owl,

I've been watching Low Plaza and South Lawn get set up for commencement, and I marvel at the number of seats. Has the ceremony always been held there?

— Curious About Commencement

Dear Graduation Groupie,

I love commencement; after all, I have one of the best views—at least when the ceremony is held on South Lawn. The gorgeously landscaped Morningside campus

awarded four honorary degrees in St. George's Chapel on Beekman Place. There have even been years in which there was no commencement at all.

The class of 1759 had only one graduate; he didn't get a ceremony. Since classes were suspended during the Revolutionary War, there were no commencements from 1775 to 1785. And the War of 1812 was the reason for the lack of ceremony that year. Disease took its toll too—the cholera epidemic in 1832 required another cancellation.



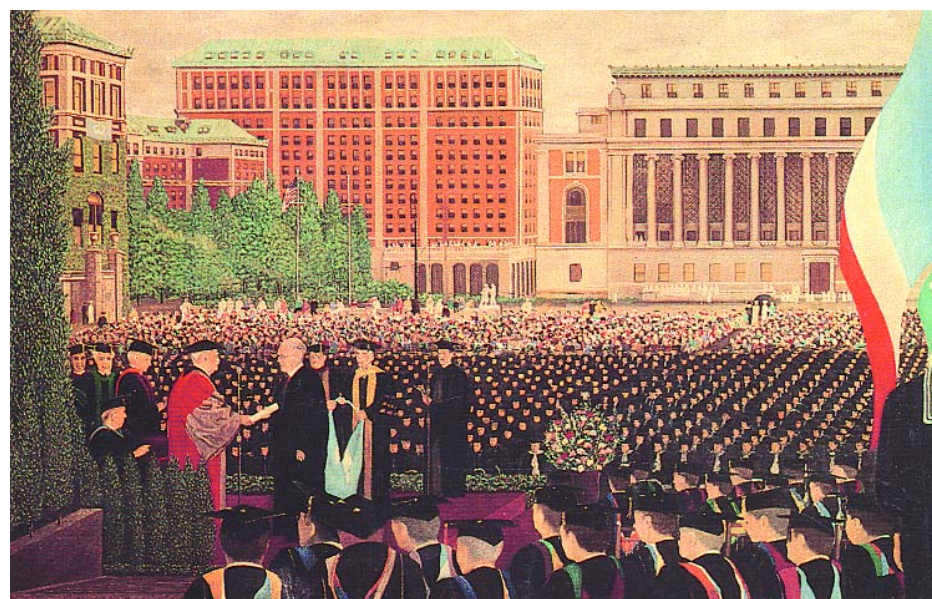
ASK ALMA'S OWL

and Carnegie Music Hall found themselves host to Columbia's graduation exercises, including Class Day.

Some people confuse Class Day and commencement. It's an understandable mistake. Once the College became the University, there was a need for each school to recognize its own students, so Class Day was created. Tradition dictates that on Class Day, each graduating senior walk across the stage to receive an empty envelope. Each of the 16 schools calls the names of its degree candidates on Class Day, but diplomas are only handed out after commencement. This year marks the first time that the School of General Studies will hold its Class Day on South Lawn along with Columbia College and the Fu Foundation School of Engineering and Applied Sciences.

Here on the Morningside campus, commencement was originally held in the gymnasium. In the past few decades, however, that location has proven too small. This year's 11,706 degree candidates, along with an estimated 28,000 guests, will take part in commencement festivities on Low Plaza and the South Lawn come rain or shine, under my watchful gaze.

Columbians sometimes ask Alma Mater for guidance, but to whom does she turn when she needs information? Minerva's familiar is the wise owl, bidden within the folds of her gown. Send your questions for the owl to curecord@columbia.edu. Authors of letters we publish receive a Record mug.



Dr. Butler's Last Commencement, by Professor Frank Calcott, professor of Spanish, June 5, 1945.

lays out a welcome mat of spring blooms to dazzle thousands of attendees—I counted 40,000 of them last year. However, commencement hasn't always been such a big production.

In its first commencement ceremony on June 21, 1758, King's College granted just seven students bachelor's degrees and

There have been several changes in venue over Columbia's history. Before the campus moved to 49th Street, commencement was usually held in chapels or on one of the properties of Trinity Church. But the 49th Street campus was also without facilities appropriate for commencement, so venues such as the old Metropolitan Opera House

COLUMBIA UNIVERSITY

TheRecord

USPS 090-710 ISSN 0747-4504
Vol. 32, No. 13, May 14, 2007

Published by the
Office of Communications
and Public Affairs

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The Record is published twice a month during the academic year, except for holiday and vacation periods. Permission is given to use Record material in other media.

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for Communications

Correspondence/Subscriptions

Anyone may subscribe to The Record for \$27 per year. The amount is payable in advance to Columbia University, at the address below. Allow 6 to 8 weeks for address changes.

Postmaster/Address Changes

Periodicals postage paid at New York, NY and additional mailing offices. Postmaster: Send address changes to The Record, 535 W. 116th St., 402 Low Library, Mail Code 4321, New York, NY 10027.

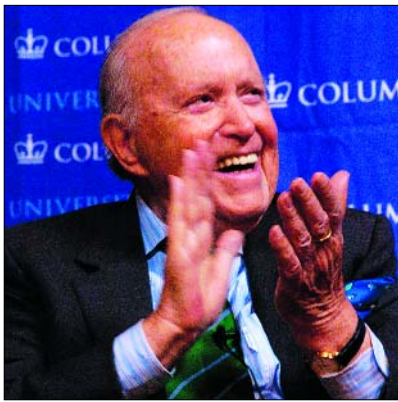
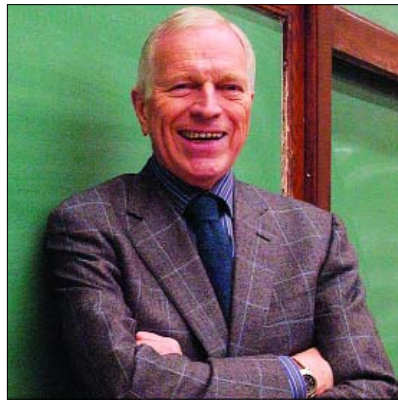
TheRecord welcomes your input for news items, calendar entries and staff profiles. You can submit your suggestions to: curecord@columbia.edu

2006-2007

The Year at COLUMBIA

Two Nobel prizes. Life-saving scientific discoveries. Athletic records set, artistic breakthroughs, scholarly advances, groundbreaking research and munificent donations.

In short, it was a year like any other at Columbia, yet utterly unique. Here is a summary of some of the most notable events at the University in its 2006-2007 academic year.



GIFT OF A LIFETIME

John W. Kluge knows the value of financial aid. In 1933, he got it from Columbia—without it, he says, he never would have gone to college. In April, the man whom the *Forbes* 400 listed last year as the 25th wealthiest American wanted to return the favor. Kluge (CC'37) pledged \$400 million to Columbia, with all funds designated for financial aid to undergraduate and graduate students. It was the largest gift ever devoted exclusively to student aid, and the fourth largest to any single institution of higher education, according to *The Chronicle of Higher Education*. Kluge's gift brings the University one step closer to meeting its fundraising goal. The University has raised over \$2.25 billion so far toward an overall goal of \$4 billion for the Columbia Campaign, which launched publicly on Sept. 29, 2006. At the time of the announcement, it was the largest fundraising campaign in the history of higher education. (Stanford unveiled a \$4.3 billion campaign 12 days later.) The campaign seeks to add \$1.6 billion to Columbia's endowment, with special emphasis on financial aid and faculty support. Also sought is \$1 billion for new and renovated facilities and \$1.4 billion for academic programs throughout the University.

— Dan Rivero

TWO NOBELS

Two members of Columbia's faculty received Nobel Prizes in Stockholm last year, bringing to 75 the number of Columbia alumni and faculty who have won the world's most prestigious award. Professor Edmund Phelps, McVickar Professor of Political Economy and director of the Center on Capitalism and Society at the Earth Institute, won in economics. Phelps first joined Columbia in 1971 and is best known for his research exploring the relationship between inflation and unemployment. Phelps challenged what had long been the conventional wisdom in economics—that inflation would always follow a dip in unemployment—and argued for a more complex view. Phelps "recognized that inflation does not only depend on unemployment, but also on the expectations of firms and employees about price and wage increases," the Swedish Academy stated in announcing the award. "[Phelps] has deepened our understanding of the relation between short-run and long-run effects of economic policy." The academy went on to say that he has had a decisive "impact on economic research as well as policy." Orhan Pamuk, the acclaimed Turkish novelist, won the Nobel Prize in literature. The Istanbul native was a fellow with Columbia's Committee on Global Thought and currently holds a joint faculty appointment in the writing division of the School of the Arts and the Department of Middle East and Asian Languages and Cultures. Pamuk, who has been publishing since 1972, "has discovered new symbols for the clash and interlacing of cultures," the Swedish Academy said. His novels include *The Black Book*, *The White Castle*, *My Name is Red* and *Snow*, among others, and have been translated into more than 40 languages.

— Adam Piore



CITIZEN ARTIST

Columbia's 21st century undergrads were toddlers when the Berlin Wall fell in 1989, ushering in the end of the Cold War. But after spending seven weeks on campus with former Czech president and renowned playwright Vaclav Havel, they won't wonder who he is again. Born in Prague in 1936, Havel began his career as a writer and dramatist, emerging as a leading voice of opposition to the communist regime. He helped mastermind the bloodless overthrow of the government known as the Velvet Revolution, serving as the last president of Czechoslovakia and the first of the Czech Republic. As another, more familiar former president, Bill Clinton, said when he shared the stage with his longtime friend last November, Havel's legacy of peaceful democratic regime change is matched by only two others in recent memory: those of Mahatma Gandhi and Nelson Mandela. The theme of Havel's residency, sponsored by the Columbia University Arts Initiative, was citizenship and the arts. Students read his play "The Garden Party" and were treated to a reading by surprise guest Dustin Hoffman. Havel delivered a lecture for students who read his seminal essay "The Power of the Powerless," and a host of panels, concerts and screenings on campus and throughout the city honored his legacy as an artist-citizen.

— Anne Burt

2006-2007

AIR FRESHENER

When Dr. Klaus Lackner decided to do something about global warming, he was inspired by the one thing in nature that can suck carbon dioxide out of the atmosphere—a tree. Lackner, the Ewing Worzel Professor of Geophysics at the Earth Institute and the School of Engineering and Applied Sciences, worked on the prototype for what he calls a synthetic tree with Arizona-based Global Research Technologies, LLC. The prototype was unveiled this year. The device, which looks something like a football goal post, soaks up CO₂ molecules from the air and funnels them into underground chambers. High levels of the greenhouse gas have been linked to global warming. Some CO₂ scrubbing technology already exists—bulky filtering devices capture and store the CO₂ emitted at power plants, for instance. But such devices are too large to use on motor vehicles, which cause one fifth of global CO₂ emissions. Lackner's devices could be set up in a field anywhere in the world—somewhat like a windmill farm—capture CO₂ regardless of its point of origin. One “tree” could vacuum up the annual emissions equivalent of 15,000 cars. Lackner estimates that it would cost about \$10 million to produce one of the devices commercially.

—Adam Piore

ALZHEIMER'S

Early this year, a team of CUMC scientists helped discover the first new gene linked to Alzheimer's Disease in more than 14 years, a finding that could eventually lead to improved methods for early diagnosis

and better treatments in the future. Columbia's Dr. Richard Mayeux, led the study along with researchers from the University of Toronto and Boston University. Examining DNA from Alzheimer's patients and a control group in the Dominican Republic, Mayeux and his team discovered a new gene they dubbed “SORL1.” They then replicated their findings in groups of white Americans, African Americans and Israeli Arabs, testing about 6,000 subjects overall in the study. Researchers believe that Alzheimer's is caused by the buildup of a toxic substance in the brain called amyloid beta peptides, which are produced when enzymes cut up a protein called APP. SORL1 helps to shield APP from the attacking enzymes by transporting them into “safe” compartments within a cell. Mayeux's team found that Alzheimer's patients more often had a genetic variation causing them to produce less SORL1 than normal. That left more APP unprotected against the destructive enzymes and led to a build-up of more amyloid beta peptides, and an increased risk of Alzheimer's. “Identifying genes that raise the risk of Alzheimer's helps us diversify our portfolio for ways to treat the disease,” Mayeux explained this year. “We can't predict if this one will lead to a treatment, but it is best to identify as many pathogenic pathways as possible to generate as many ideas for treatment as possible.”

—Adam Piore

DISEASE FIGHTER

In December, researchers from the Mailman School's Jerome L. and Dawn Greene Infectious Disease Laboratory and their colleagues in the WHO Global Laboratory Network unveiled the

GreeneChip, a new medical tool that will allow quick diagnosis of disease outbreaks in the developing world, empowering aid workers to stop epidemics in their tracks. The GreeneChip is a lab diagnostic tool that tests for thousands of possible disease agents simultaneously, instead of one at a time or in small groups. The chip consists of a glass slide with more than 30,000 miniscule DNA and RNA samples of known viruses, bacteria, fungi and parasites aligned in neat rows on its surface. When a technician applies tissue, blood, urine or stool to the slide, probes from any closely related genetic material stick to the sample—allowing a fast and accurate diagnosis of any number of diseases with a single test. The GreeneChip is expected to have a major impact on public health efforts around the globe. Researchers cited a 2004 Marburg outbreak in Angola that caused 252 cases of hemorrhagic fever, 90 percent of them fatal. A GreeneChip later identified traces of malaria in the blood of one healthcare worker who died, suggesting he could have been saved had a correct diagnosis been available earlier.

—Adam Piore

ALL THAT JAZZ

The first official jazz collaboration between Columbia and Harlem kicked off in January with a concert by renowned singer Paula West and her quartet at Columbia's Miller Theater. The Columbia/Harlem Jazz Project, which has since held concerts by latin band leader Eddie Palmieri and blues artist Olu Dara, is a two-year collaboration between the University's Center for Jazz Studies, New Heritage Theatre Group in Harlem, and Community Works, a Manhattan-based

nonprofit arts organization. Over the course of two years, the Columbia/Harlem Jazz Project will hold a total of 14 jazz events and post-performance talks at the Schomburg Center for Research in Black Culture, the Studio Museum in Harlem, Minton's Playhouse and venues on campus, all thanks to a \$300,000 grant from the New York State Music Fund. “I think it's important to remind ourselves that we are ‘Columbia University in the City of New York’—in the village of Harlem,” said Robert O'Meally, director of the Center of Jazz Studies and the Zora Neale Hurston professor of English and comparative literature. “I like to add that part because once a group of us decided to form a center for jazz studies, it was very important that we not wall ourselves in as an ivory tower entity, but that we take advantage of this rich history that we share with our neighbors.”

—Dan Rivero

LIGHTS, CAMERA

The parka-clad audiences at January's Sundance Film Festival were treated to no fewer than 20 films made by Columbia students and alumni. In April, a record 10 Columbia-affiliated films screened at the Tribeca Film Festival. Add these impressive numbers to seven gold medals in the Student Academy Awards in the past 10 years, and it's clear that the movie industry is waking up to what the School of the Arts film division does best: nurture thoughtful, original, powerful filmmakers poised to make their mark in both Hollywood and independent cinema. This year at Sundance, four top prizes went to Columbia filmmakers and 10 percent of all short films in the competition came from the School of the

Arts. Most of these shorts premiered at the 2006 Columbia University Film Festival, the year-end showcase for graduating M.F.A. students. The 2007 CU Film Festival wrapped on May 10—and this year's films are stronger than ever. Can “Sundance: the Sequel” be far behind?

—Anne Burt

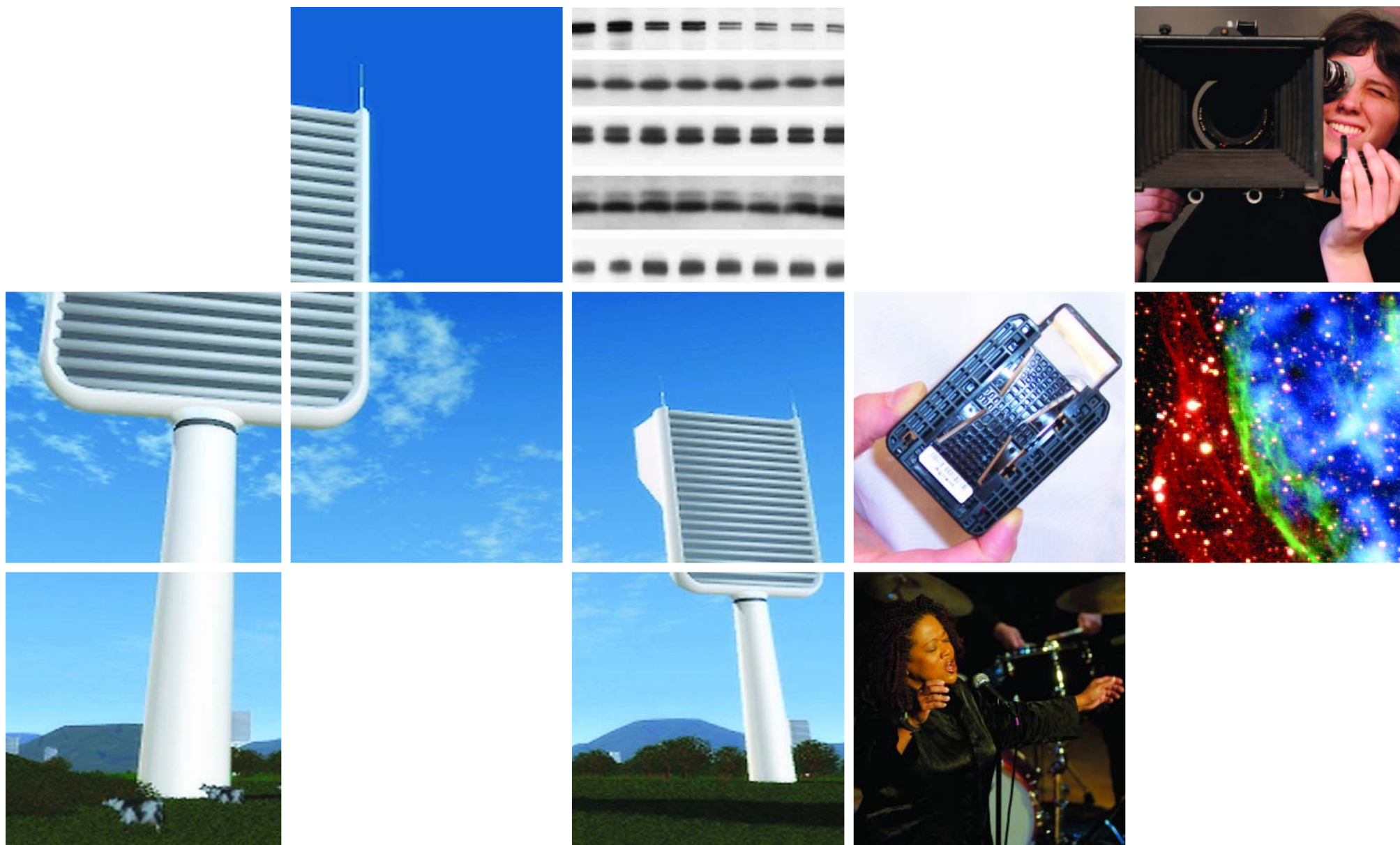
CAFE SCIENCE

Chemistry and mixology are similar concepts that rarely go together, but that's what is happening at Café Science, a new quasi-academic program started last year whose popularity has taken off by bringing together Columbia professors and the general public in a casual, salon-like atmosphere where they can discuss scientific topics. For \$10 a head, attendees get one drink and the chance to hear world-class, acknowledged experts in their field. Subjects have included “Intelligent Life in the Universe,” by astronomer David Helfand; “How Your Brain Works...Or Not,” by biologist Darcy B. Kelly; and, on June 11th, “Singing in the Brain: What Songbirds Teach Us About the Brain and Communication,” with behavioral neuroscientist Sarah Woolley.

—Bridget O'Brian

GOING GREEN

Columbia's buildings, grounds, activities—and, most vitally, its people—are vivid testimony to the University's many new efforts on behalf of the Earth. Last fall, the Department of Environmental Stewardship was created as the local focal point for sustainability efforts. Two new buildings are Columbia's first to be registered for a Leadership in Energy and



HIGHLIGHTS

Environmental Design (LEED) rating, meeting the country's highest environmental construction standards. Meters throughout the University now will measure energy use, leading to further reduction of greenhouse gas emissions. Students, staff, faculty and administrators continue to produce a stream of creative, everyday sustainability efforts, such as serving locally roasted, organic, fair trade coffee. And for the undergraduate EcoReps organization, it means collecting what would otherwise be thrown away at semester's end and donating it to local charities through their Give + Go Green project.

— Barbara King Lord

WINNERS

Champions are wearing light blue again. By the end of the academic year, Columbia had established a record for Ivy League team championships in a single year, taking home five titles—women's soccer, women's golf, men's tennis, women's fencing and men's fencing. The women's soccer and women's golf teams won their first titles, and men's tennis won its first Ivy League title since 2001. Success began in the fall when, under the leadership of first-year head coach Norries Wilson, the football team posted its best season since 1996 with a 5-5 record. Men's basketball followed in the winter with its best record since 1992-93 at 16-12. Several individuals also had banner years. Runner Erison Hurtault became the first-ever Ivy League male student-athlete to win the championship at the Ivy League Heptagonals eight times in a career. On the women's side, Osamuede Iyoha won the 400-meter hurdles in 1.71 minutes. Iyoha

also took second in the 100-meter hurdles, finishing in 14.12 seconds for a school record. A few days earlier at the storied Penn Relays, the Lions won the 4x800-meter relay with Hurtault running the third leg. It was Columbia's first victory in a Championship of America heat at the Penn Relays since 1938, and the first triumph for an Ivy League school since 1974. In other highlights, Matt Palmer (CC'07) became the first wrestler in more than 100 years of Columbian wrestling to earn All-American a second time from the National Collegiate Athletic Association. In fencing, Daria Schneider (CC'09) won an NCAA title in women's sabre; in women's soccer, Shannon Munoz (CC '07) was named Ivy League Player of the Year. Darren Schmidt (CC'07) won an Athletics Directors Association Scholarship in Division I-AA football. The NCAA awarded a postgraduate scholarship to Greg Cass (CC'07) of the men's soccer team.

— Dan Rivero

LIBRARIES

Columbia's libraries are bursting at the seams. Recent acquisitions include the digital archives of the now defunct left-wing progressive magazine *The New Leader*; materials chronicling the history of Japanese and East Asian film from documentary filmmaker Mamoru Makino; and the archive of Robert College of Istanbul, the oldest American school outside the United States. This year also saw the creation of the Center for Digital Research and Scholarship, which uses new media and digital technology for research and other scholarly purposes. In April, librarian David Magier was appointed director of the Center for

Human Rights Documentation and Research, an international center that preserves materials from the global human rights movement. It is the official repository for the newly acquired Amnesty International USA archive of country and mission reports, case files and oral histories, among other materials. Magier, the librarian for the South & Southeast Asian Studies concentration, also serves as the director of area studies at the University Libraries. The next big project will be the library in the Northwest Science Building, which broke ground in May, and which will house the University's first interdisciplinary library devoted solely to science, containing material from the astronomy, chemistry, physics and biology departments. Columbia currently ranks as the sixth-largest academic library in North America, having added an average of 150,000 volumes each year.

— Dan Rivero

ROBERT MOSES

It's an academic's dream to see years of research and scholarship reach the widest possible audience, even change the course of public discourse. That happened for art history professor and director of art humanities Hilary Ballon this spring. Three related exhibitions she curated on the legacy of long-time New York City builder Robert Moses sparked headlines and were recognized as major contributions to the understanding of New York City's recent past; they also stirred passionate debate about its future. Ballon picked a rich topic. From 1924 to 1968, Moses oversaw the construction of bridges, tunnels, highways, parks, housing, beaches and more throughout New York City and state—all

without ever holding an elected office (although he held as many as 12 appointed offices simultaneously). Ballon's detailed re-examination of Moses' impact on New York—along with a companion book of essays, *Robert Moses and the Modern City: The Transformation of New York* (co-edited by Ballon and Kenneth Jackson, Columbia's Jacques Barzun Professor of History and the Social Sciences)—continues to make national headlines months after the exhibitions opened. Her work undoubtedly will influence urban planning scholars and New York City historians for years to come.

— Anne Burt

SHADOW COUNT

New York City has been battling chronic homelessness for decades. But how many homeless people live in the city? That was the focus of a study this year by Professor Julien Teitler of the School of Social Work. On the night of January 29, more than 200 volunteers—including Columbia students—fanned out across the city as decoy homeless people in a project aimed at improving the accuracy of the city's homeless count. Dubbed Operation Shadow Count, the study helped to statistically adjust the figures of the unsheltered homeless for the 2007 Homeless Outreach Population Estimate (HOPE) survey, an annual count done in conjunction with the city's Department of Homeless Services (DHS). The survey isn't just academic; an accurate count means that programs and initiatives for the homeless can be focused better on those who need them. An estimated 4,039 visible unsheltered homeless people were tallied that night, Teitler said, almost identical to a year ago. The total is based on the number

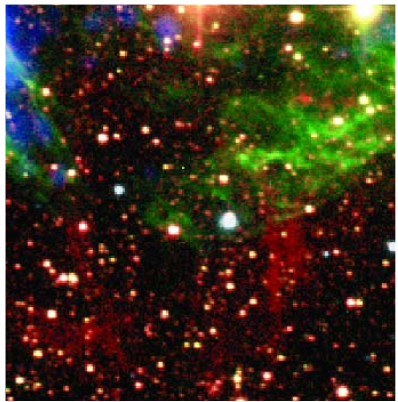
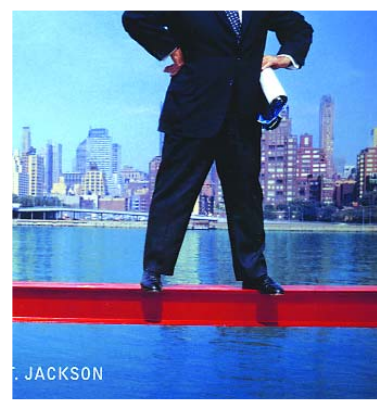
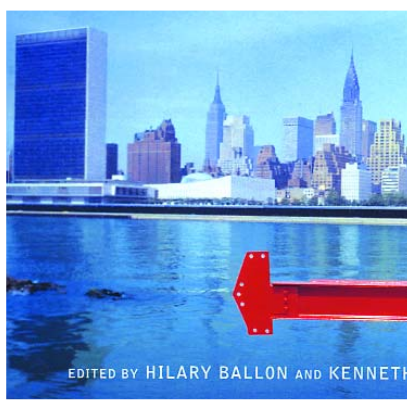
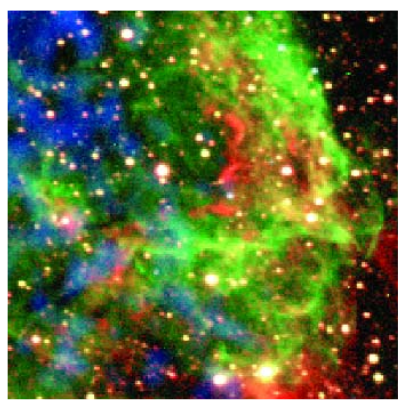
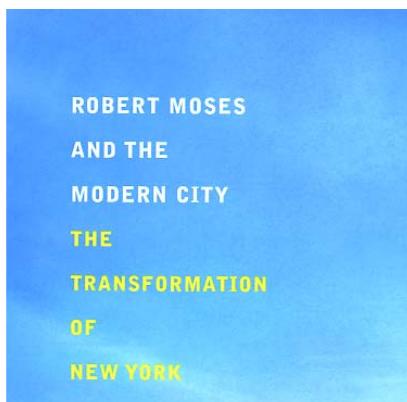
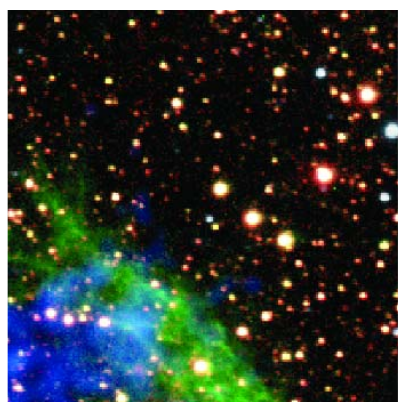
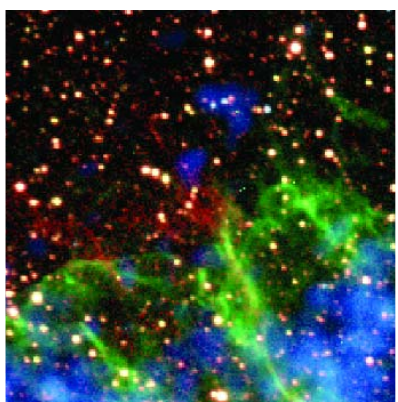
of homeless people counted by DHS volunteers, adjusted by the proportion of the decoys who were missed by the counters. Still, all parties agree that the total number of unsheltered homeless in the city is likely much larger.

— Melanie A. Farmer

CLEAN WATER

Columbia Law School scored a big win in January when a federal appeals court, ruling in favor of environmentalists, declared that the Environmental Protection Agency (EPA) must change the way it interprets the Clean Water Act. The three-judge panel of the 2nd U.S. Circuit Court of Appeals also found that the EPA violated the law by placing the profits of power companies ahead of the protection of the nation's fisheries. The lawsuit was filed by Columbia Law School's Environmental Law Clinic, acting pro bono on behalf of a coalition of more than a dozen environmental organizations, including Riverkeeper, the Natural Resources Defense Council and the Conservation Law Foundation. Ten law students worked with clinic director Edward Lloyd and Reed Super, the clinic's senior staff attorney, on the case. Super, who is also a lecturer at the Law School, argued the case last June. The plaintiffs claimed that the EPA was allowing the killing of trillions of fish per year because power plants were improperly using river, lake and coastal water to cool power plant machinery. The court found that regulations issued by the EPA in 2004 improperly rejected a technology called "closed cycle cooling," which would have minimized the danger to fish.

— Melanie A. Farmer





2007 HONORARY DEGREES



AHARON BARAK
DOCTOR OF LAWS

Aharon Barak is the former president of the Supreme Court of Israel and a legal scholar. He has written extensively on judicial philosophy and the role of a judge, which also is the topic of his 2006 book, *The Judge in a Democracy*. Barak's legal career, shaped by his survival of the Holocaust, has been marked by a quest to safeguard human dignity. His awards include the International Justice of the World prize, granted by the International Association of Judges, and numerous honorary degrees.



SANTIAGO CALATRAVA
DOCTOR OF LETTERS

Santiago Calatrava is an architect, artist, and engineer best known for his bridges and transportation projects. His recent work includes the Athens Olympic Sports Complex and the City of Arts and Sciences in Valencia, Spain. He currently is designing the World Trade Center Transportation Hub in New York. His honors include the 2005 Gold Medal of the American Institute of Architects; the Gold Medal of the Institute of Structural Engineers, London; and the Gold Medal for Merit in the Fine Arts, Ministry of Culture, Spain.



BENJAMIN S. CARSON
DOCTOR OF SCIENCE

Benjamin Carson is director of pediatric neurosurgery—a position he has held since 1984, when he was 33 years old—and a professor of neurosurgery, oncology, plastic surgery, and pediatrics at the Johns Hopkins Medical Institutions. He is also the president and co-founder of the Carson Scholars Fund, which provides scholarships to young people of all backgrounds for exceptional academic and humanitarian accomplishments. He has been selected by the Library of Congress as one of 89 Living Legends.



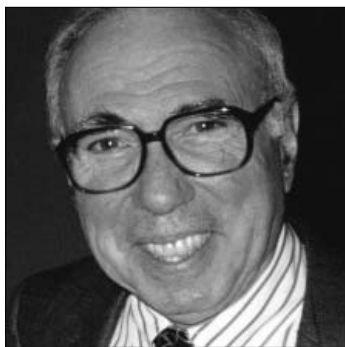
SUSAN LINDQUIST
DOCTOR OF SCIENCE

Susan Lindquist, a microbiologist, is a member and former director of the Whitehead Institute, a professor of biology at Massachusetts Institute of Technology, and an investigator with the Howard Hughes Medical Institute. Her research includes evolution, neurological diseases, cancer, and nanotechnology. She is listed in *Discover* magazine's 2002 list of the top 50 women scientists and the *Scientific American* SA50 list of top leaders in business, policy, and research for 2006.



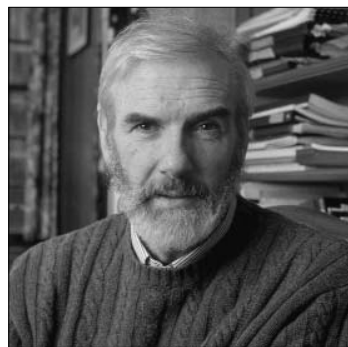
BARBARA NOVAK
DOCTOR OF LETTERS

Barbara Novak is the Helen Goodhart Altschul Emerita Professor of Art History at Barnard College, where she served on the faculty for more than forty years, twelve of them as chair of the Department of Art History. She is an expert and leading figure in the field of American art history, and has authored three books: *American Paintings of the Nineteenth Century*, *National Culture*, and *Voyages of the Self: Pairs, Parallels and Patterns in American Art and Literature*, as well as scores of articles and publications, a novel and a theater piece. In 1998, the College Art Association recognized her with its award for distinguished teaching in art history.



FELIX G. ROHATYN
DOCTOR OF LAWS

Felix Rohatyn, a businessman and investment banker, served as the U.S. Ambassador to France from 1997 to 2000. He is currently a senior advisor at Lehman Brothers, where he is also the chair of the firm's International Advisory Council. From 1975 to 1993, he was chair of the Municipal Assistance Corp. of the State of New York, where he managed the negotiations that enabled New York City to resolve its fiscal crisis in the late 1970s. In 1990, he received the Hundred Year Association of New York's Gold Medal Award in "recognition of outstanding contributions to the City of New York."



JONATHAN SPENCE
DOCTOR OF LAWS

Jonathan Spence is the Sterling Professor of History at Yale University and one of the foremost scholars of Chinese civilization from the sixteenth century to the present. His books, including *The Search for Modern China*, have become leading texts in the field. Spence was president of the American Historical Association from 2004 to 2005, and has received numerous fellowships and awards, including being named a Companion of the Distinguished Order of St. Michael and St. George in 2001, an honor given by the Queen of England for outstanding achievement.



STEPHEN JOEL TRACHTENBERG
DOCTOR OF LAWS

Stephen Joel Trachtenberg has been president of George Washington University for 19 years. Prior to that, he served as the president of the University of Hartford, and dean of arts and sciences and vice president of Boston University. He is the author of four books and numerous articles on higher education. In 1997, he received the U.S. State Department's Distinguished Public Service Award. Trachtenberg is a 1959 graduate of Columbia College.



SUZANNE MALVEAUX
MEDAL FOR EXCELLENCE

An Emmy award-winning journalist, Suzanne Malveaux is the White House correspondent for CNN. She has covered and interviewed President George W. Bush, former Presidents George H.W. Bush and Bill Clinton, and First Lady Laura Bush. She was named one of America's Most Powerful Players Under 40 by *Black Enterprise* magazine, one of *Ebony's* Outstanding Women in Marketing and Communications, and the National Black MBA 2004 Communicator of the Year. She earned a master's degree in 1991 from Columbia University Graduate School of Journalism.

PRESIDENTIAL AWARDS FOR OUTSTANDING TEACHING

JOYCE K. ANASTASI is a professor of clinical nursing. She has been on the faculty of the School of Nursing since 1992, pioneering two specialty programs in HIV/AIDS and Integrative Therapies in Primary Care. In addition, she conducts research on the symptom management of HIV/AIDS and chronic illnesses.

PATRICIA J. CULLIGAN is a professor of civil engineering and engineering mechanics. Her principal fields of interest include geo-environmental engineering, geotechnical centrifuge modeling, and porous media flow and transport.

DONALD C. HOOD is the James F. Bender Professor in Psychology and professor of ophthalmic science. His primary research focuses on physiological and psychophysical studies of human visual perception.

LIZA KNAPP is an associate professor of Slavic languages and the director of graduate studies for Slavic languages. Her primary research focuses on 19th-century Russian literature and the novel in Russia and the West.

SUSAN P. STURM is the George M. Jaffin Professor of Law and Social Responsibility. She has been a member of the Columbia faculty since 2000, and her primary teaching and scholarly interests include employment discrimination, new forms of public problem solving, conflict resolution, race and gender, public law remedies, and civil procedure.

2007 GSAS TEACHING AWARDS

The Graduate School of Arts and Sciences recognized Corbett D. Bazler, Department of Music; Denise Milstein, Department of Sociology; and Christian Murphy, Department of Computer Science for their achievements in student teaching.

CARBON-NEUTRAL CREDITS FOR 2007 COMMENCEMENT

By Barbara King Lord

A strand of green will wind its way through the sea of Columbia's blue graduation regalia. For the first time, the University will have a "carbon-neutral" Commencement Day, by purchasing credits that will offset the carbon footprint generated by the ceremony and its related events.

This means that Columbia will offset the estimated 4,649 metric tons of CO₂ produced by the air, auto and local travel to and from commencement, as well as the energy used throughout the festivities, by funding projects that save the equivalent amount of greenhouse gases from going into the atmosphere.

The numbers were derived from data the commencement team provided on the number of graduates, estimated guests, and states and countries of origin. The team worked with Nilda Mesa,



Columbia's director of environmental stewardship, to make the calculations. "The graduates can be proud of their hard work and accomplishments, while knowing that their celebrations

helped support projects that minimize greenhouse gases for the future," Mesa said.

The credits will be purchased from Carbonfund.org, a non-profit organization whose focus is on reducing carbon emissions. Through Carbonfund.org, the emissions credits will be applied to domestic and international projects for reducing greenhouse gas emissions. Solar electrification in East Africa, wind energy farms in the United States and post-tsunami mangrove restoration in India are on the list.

The reduction of the commencement celebration's carbon footprint is yet another step in Columbia's increasingly significant commitments to sustainability, both on campus and worldwide. These include new building projects that follow the USGBC's green building standards, a "green" residence hall, more refined metering to measure energy usage, and the student EcoRep program.

2007 ALUMNI MEDALISTS



ALEXANDRA E. BARANETSKY, D.D.S.

1975 B.S. Fu Foundation School of Engineering and Applied Science
1980 D.D.S. College of Dental Medicine

A general dentist in Union, New Jersey, Alexandra Baranetsky served as vice president of her freshman class at the College of Dental Medicine. An active and engaged Engineering School undergraduate, she currently serves on the alumni representative committee, is vice president for student relations for the Columbia Engineering School Alumni Association and is an officer of the Board of Directors of the Society of Columbia Graduates. She has reinvigorated the faculty-student luncheons and dinners, increasing overall alumni participation.



MICHAEL H. BARNETT, ESQ.

1970 M.S. Mailman School of Public Health
1972 J.D. Law School

A founding partner in a midtown law firm, Michael Barnett is president of the Mailman School's Alumni Executive Board. Mr. Barnett was an early and effective advocate for incorporating College of Pharmacy alumni into the Public Health Alumni Association. He is the current representative to the University's Alumni Trustee Nominating Committee and is active in the Columbia Alumni Association. He has lectured at the Mailman School and volunteered his time to provide mentoring, career guidance and opportunities to both students and faculty.



A'LELIA P. BUNDLES

1976 M.S. Graduate School of Journalism

A'LeLia Bundles, former director of talent development for ABC News in Washington and New York, received an Emmy and a du Pont Gold Baton during her 30-year career as a producer and executive with ABC News and NBC News. She recently co-chaired and facilitated the Graduate School of Journalism Alumni Association Task Force strategic planning meetings to help the association examine its mission and engender broader representation of its alumni. She currently chairs a GSJ transition group convened to implement the strategic plan.



STEVEN B. EPSTEIN, ESQ.

1968 J.D. Law School

Steven B. Epstein is recognized as the leading pioneer in health care law. He is the founding partner in the law firm of Epstein, Becker & Green, P.C., a national law firm with 400 attorneys and offices in 11 cities. Mr. Epstein serves as chairman of the Columbia Law School Board of Visitors. He has encouraged board members and alumni to actively participate and donate to the Law School to help maintain its status as the leading law program in the country. Mr. Epstein will teach a course in health law at the Law School next fall.



PETER JOHN FARRELLY

1986 M.F.A. School of the Arts

A filmmaker and author, Peter Farrelly is one of Columbia's most effective supporters and volunteers. In addition to traveling from the west coast to volunteer and teach master classes at the School of the Arts, Mr. Farrelly endowed student fellowships in the writing and film divisions and uses relationships to raise additional funds for the School. He currently serves on the School of the Arts Dean's Council, the highest level of participation for arts alumni.



MARJORIE HARRISON FLEMING

1969 B.S. School of Nursing

Better known as Midge, Marjorie Fleming is a member of the School of Nursing's Board of Visitors and a founding member and the first president of the Columbia University and Presbyterian Hospital School of Nursing Alumni (CAPSONA, now known as The Alumni Association). She currently chairs the School's capital campaign. In addition to hosting many alumni events in her home and on the road, Ms. Fleming has been a leader in restructuring and developing the current School into a world-class organization.



EDWARD D. HEFFNER

1968 B.S. Fu Foundation School of Engineering and Applied Science

Executive vice president of Empire City Iron Works in Long Island City, Queens, Edward Heffner serves on the Dean's Council of the School of Engineering and Applied Science as well as the Board of Managers of the SEAS Alumni Association. In addition to advising Dean Zvi Galil, he has helped direct the association's many social and academic activities for students and alumni. Since graduating, Mr. Heffner has helped promote the growth of the School through both his volunteer activities and his philanthropy. His most recent gift established the Heffner Biomedical Imaging Laboratory.



RALPH O. HELLMOLD

1963 International Fellow, School of International and Public Affairs
1964 M.I.A. School of International and Public Affairs

Currently the chairman of Hellmold & Co., LLC, a financial advisory firm, Ralph Hellmold has been a member of SIPA's alumni community for more than 40 years. A dedicated advocate of the School and the University, he has served on SIPA's Advisory Board since 1990, significantly strengthening development and fundraising programs. Mr. Hellmold has mentored students and assisted them with career development and placement. He has served as both co-chair of the development committee and as chair of SIPA's Annual Fund.



PATRICIA HARRIGAN NADOSY

1968 B.A. Barnard College
1970 M.B.A. Columbia Business School

Patricia Harrigan Nadosy was a foreign exchange options trader, banker and money management consultant at JP Morgan for 15 years before starting her own consulting firm, Optfor, Inc. A French major at Barnard, she went on to obtain an M.B.A. from Columbia and years later earned a Ph.D. in botany from the City University of New York. Ms. Nadosy is a trustee at Barnard College and spearheaded the creation of its Financial Fluency Program for alumnae. In addition to the Executive Committee, she serves on committees devoted to investments; student life; budget and finance; and buildings, grounds and environment.



ROBERT R. SIROTTY, M.D.

1956 B.A. Columbia College

As managing editor of the *Columbia Daily Spectator*, Robert Sirotty worked hard to help end racial discrimination in the Off-Campus Housing Registry. After graduating, he attended the State University of New York College of Medicine at Syracuse and served in the U.S. Public Health Service. A clinical assistant professor of medicine at the University of Medicine and Dentistry of New Jersey and author of several medical papers, he practiced internal medicine and hematology in Dover, New Jersey.

Once a Columbian, Always a Columbian

By Candace Taylor

Don't think of commencement as leaving Columbia. Consider it your entry into a worldwide network of 270,000 alumni, many of them eager to help you find a job, an apartment or just a good party.

"When you graduate, you're still a part of this community," said Eric J. Furda, vice president for alumni relations. "You're just in a different phase."

Alumni enjoy lifelong privileges at Columbia's 25 libraries. They and their families can use the University's New York fitness centers and tennis courts for a low membership fee or purchase discounted computers through the alumni Web site. They're invited to audit classes on campus; choose from 150 e-seminars taught by Columbia faculty; and go on vacation with University faculty through alumni travel study programs.

At Columbia College, undergraduates meet alumni even before graduation through a series of workshops on topics such as career networking and apartment hunting, said Ken Catandella, executive director of the Columbia College Office

of Alumni Affairs and Development.

"The school has been your whole life," Catandella said. "Suddenly, you're in a workplace, it's a huge adjustment. Anything we can do to help facilitate that, and keep people in touch with each other, is important to us."

For the past five years, Columbia College Young Alumni (CCYA) has thrown a dinner for seniors on the Morningside campus. On June 1, the organization will hold a casino dance party at the Nokia Theater in Times Square. Last year, 1,400 young alumni showed up; this year, the group is hoping for 2,000, Catandella said.

CCYA also holds happy hours, networking nights and other events in cities across the country to help recent graduates stay in touch, he said.

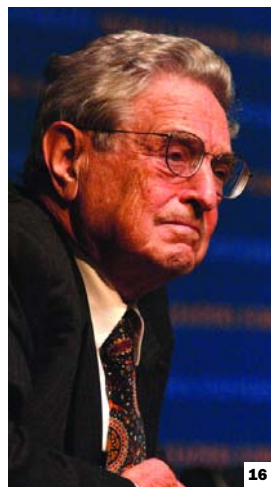
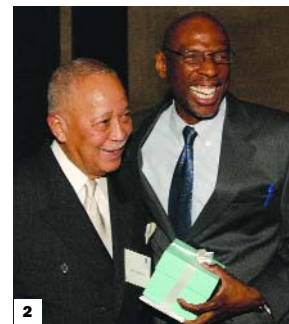
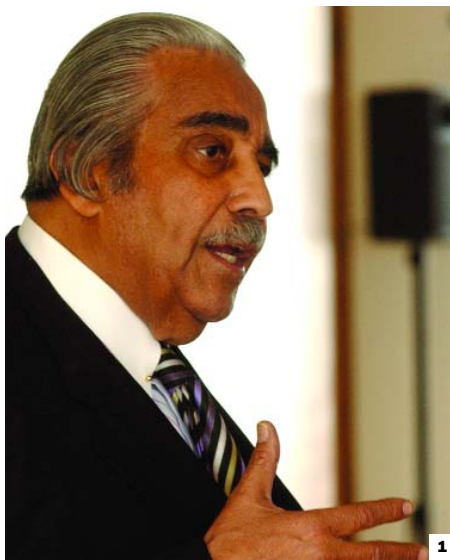
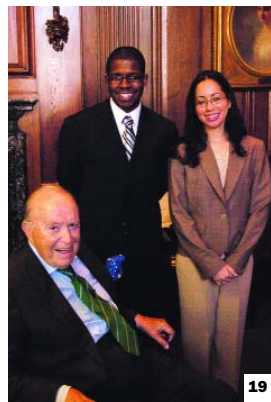
Alumni activities aren't just confined to the United States. After commencement, graduates will find themselves part of a network of Columbia alumni in 183 countries, linked through an online directory on the University's Web site, Furda said. Besides career networking, alumni also can stay connected to the intellectual life of the University. The Columbia Alumni Association (CAA), which serves to connect all University alumni, is planning

a European launch this fall in Paris. From September 28 to September 30, CAA Paris 2007 will feature events at Reid hall; receptions for individual schools; a Café Science, and a forum on globalization, arts, and media, with speakers including President Lee C. Bollinger, Nobel laureates Orhan Pamuk and Joseph Stiglitz, Journalism Dean Nicholas Lemann, Earth Institute Director Jeffrey Sachs, and other Columbia faculty.

Alumni also lead regional clubs in cities worldwide. In recent years, the University has focused on starting new Columbia clubs overseas, said Karen Sendler, senior associate director for University alumni relations. There are now 38 alumni clubs in the United States and 36 abroad, with the newest clubs popping up in Cyprus, Russia, Switzerland and the Netherlands.

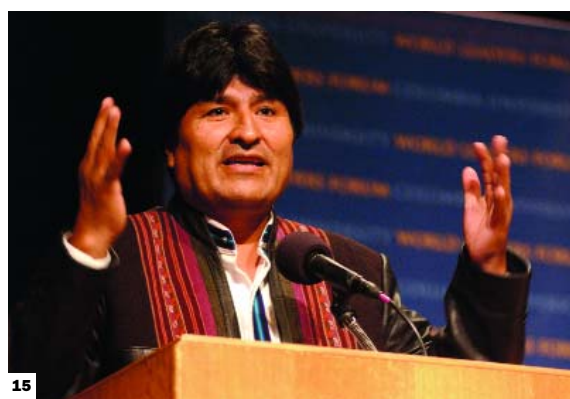
Columbia clubs in foreign countries have helped alumni abroad, Sendler said. For example, a professor currently working in Paris contacted the Columbia club there when he needed a babysitter, she said.

"Whether somebody's looking for a job or an apartment or any number of things, it's a group of people who are there to support you," Sendler said.



A Year of Luminaries on Campus

1. U.S. Rep. **Charles Rangel** talks trade policy at SIPA. **2.** Former NYC Mayor and Columbia Professor **David Dinkins** congratulates **Geoffrey Canada**, president and CEO of the Harlem Children's Zone, on his keynote address at the Columbia Business School's Enterprise Program Annual Reception. **3.** **H.E. Ong Keng Yong**, secretary-general of the Association of Southeast Asian Nations, speaks at a World Leaders Forum. **4.** Mayor **Michael Bloomberg** delivers the keynote address at a conference on global cities. **5.** **Mary Robinson**, former president of Ireland and professor at Columbia, discusses security issues with **Ngozi Okonjo-Iweala**, former minister of foreign affairs and minister of economy in Nigeria, and **Sheikha Lubna al Qasimi**, minister of economy, United Arab Emirates. **6.** Rapper **Ice-T** discusses the evolution of hip-hop music and the promotion of education at Teachers College. **7.** **Akeel Bilgrami**, professor of philosophy, delivers the fall 2006 University lecture. **8.** **Syeda Sughra Imam**, member of parliament in Pakistan, argues that creating jobs is key to state security. **9.** Writer **Garrison Keillor** presents awards to recipients of the Lukas Prize for exceptional works of non-fiction. **10.** President **Lee C. Bollinger**, former Presidents **Bill Clinton** and **Václav Havel** on Columbia's campus. **11.** **Ludacris** and actress **Emmy Rossum** at SIPA to launch the "Kick Me" campaign to prevent HIV/AIDS. **12.** **Jagdish Bhagwati**, University professor, speaks with **Yegor Gaidar**, former prime minister of Russia. **13.** **Nancy Birdsall**, president of the Center for Global Development, joins a discussion on "making globalization work." **14.** The creative team behind *The First Emperor*, with Columbia professors **James Schamus** and **Lydia Liu**, gather after a World Leaders Forum on the opera. **15.** Bolivian President **Evo Morales**, the first indigenous leader in Latin America in over 500 years, speaks at Columbia. **16.** **George Soros**, founder and chair of the Open Society Institute, addresses globalization issues. **17.** **Hank Paulson** gives his first policy address after becoming U.S. Treasury Secretary at Columbia Business School. **18.** **Gayatri Chakravorty Spivak**, newly appointed University Professor, delivers the spring 2007 University lecture. **19.** **John Kluge** (CC'37) meets two Kluge scholars, **Denise De Las Nueces** (CC'03) and **Ronald Townes** (CC'08) after pledging \$400 million for financial aid. **20.** **Barbara Walters** with **Joan Marks** at the 80th birthday party honoring Joan's husband and former Columbia professor **Paul Marks**. **21.** Prime Minister **Ivo Sanader** of Croatia addresses his country's integration into the Europe-Atlantic alliance.



Most Senior Graduate

continued from page 1

defended it; two professors on the panel accepted it, a third wanted revisions. "I remember him vividly," Horlick said. "He didn't like the style." Jeff Horlick, 62, remembers his father banging away on a black portable Royal typewriter, wrestling with different drafts. "As a nine-year-old, I was sensing that things were going in a frustrating way," he said.

Then Horlick's wife contracted tuberculosis and was sent to a sanitarium for two years. (She made a full recovery and still works as a fine arts photographer.) With all his responsibilities, Horlick said, "I just couldn't do it."

Horlick went on to work for the government—his children say it was the CIA—eventually ending up at the Social Security Administration. Even after retirement, he continued working in the pension industry. The dissertation stayed in a lockbox until the University asked to see it. "I didn't even know we still had it," Horlick said.

Horlick had to fill out paperwork to get the Ph.D., which included the question: "What are your job plans for next year?" Even though he is in his ninth decade, Horlick has a long list.

He still consults for his former employer, has finished a book about the history of the pension system and is writing a novel about football. He plays golf, belongs to a monthly book group, teaches Spanish and is taking a course in mysticism, myth and the work of Joseph Campbell.

Call back soon if there were any other questions, he said in a recent phone call from his home in Silver Spring, MD; he was about to leave for a tai chi class.



WHAT ARE YOU LOOKING AT?

HINT: This and others like it makes a seasonal appearance as part of the campus landscape each spring, but it doesn't grow out of the earth. Send answers to curecord@columbia.edu. First correct answer receives a RECORD mug.

ANSWER TO LAST CHALLENGE: *Tightrope Walker* by Kees Verkade, a statue on Revson Plaza.

Shake, Rattle and Toss

continued from page 1

The School of General Studies prides itself on doing something different every year. This year, GS students plan to wave black-and-white checkered racing flags. "We're crossing the finish line," explained senior class president Jason Dixon. Last year, the small plastic whistles they brought failed to blow at the right time. "We decided to go with something that can't malfunction," he said.

For the second year in a row, graduates of the School of Continuing Education will let fly black fabric discs with the school's logo, said Dean of Student Affairs Tom Harford. "This is something that people can take home with them and use in the parks," he said, adding that the discs also function as "an 'under-handed' advertising campaign" for the University's newest school, chartered in 2002.

School of the Arts students will carry plastic noise-makers topped with gold stars, according to administrative assistant Toni Scott. "We're very small," Scott said. "We try to make our presence known." Students at the School of Social Work are blowing bubbles. The School of Engineering and Applied Science grads are waving clappers.

Seniors at Barnard College debated a number of throwing options. Gummy bears were too sticky, and while a few students at the women-only school suggested bras and panties, "we're going with a classier option," said class president Puja Kapadia. She won't, however, say what it will be. "There's supposed to be an element of surprise."