

Summer 2007

**The Cooper Union
for the Advancement
of Science and Art**

at Cooper



Union

At Cooper Union Summer 2007

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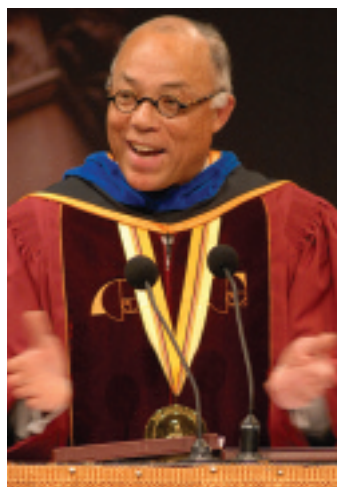
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Message from President George Campbell Jr.

The 148th commencement ceremony, marking the end of the 2007 academic year, once again presented an opportunity to celebrate an exceptional group of young people, recipients of a vastly disproportionate share of prestigious national academic awards, honors and fellowships to top graduate programs around the country. The three Fulbright Scholarship recipients so far from the class of 2007 make 22 Fulbright awards to Cooper Union graduates since 2001 and the two National Science Foundation (NSF) Graduate Research Fellowships this year make 10 NSF doctoral fellowships since 2004. Electrical engineering graduates, for the fourth time in five years won first prize in the annual IEEE North East Region Paper competition. All of the students were given an inspiring sendoff by commencement speaker Stan O'Neal, chairman of the board and chief executive officer of Merrill Lynch, who earned a degree in engineering and went on to achieve extraordinary success as head of one of the world's largest financial management corporations. He discussed with students effective and responsible citizenry in an emerging world defined increasingly by global capitalism.

This year also saw remarkable achievement and recognition of faculty and alumni. Professor Robert Bordo was the recipient of a 2007 Guggenheim Fellowship. Retiring professor and alumnus Ricardo Scofidio (AR'55), along with alumna Elizabeth Diller (AR'79), received the 2007 AIA Design Award for the Institute of Contemporary Art building in Boston, which opened in the fall. Engineering alumnus and recipient of the President's Citation at commencement, Hal Goldberg (EE'44) received the Gordon Prize for Innovation in Engineering and Technology Education, the nation's highest award in engineering education from the National Academy of Engineering. Professor Walid Raad won both the Herb Alpert Foundation Award in the Arts and the Deutsche Börse Photography Prize. Professor Lebbeus Woods received the American Academy of Arts and Letters Architecture Award. Alumnus Lance Brown (AR'65) won the Topaz Medallion in Architecture and Stan Allen (AR'81) and Catherine Seavitt (AR'94) received the Latrobe Research Prize from the AIA College of Fellows.

Thanks to the growing support of alumni and other friends of the college, we reached a major benchmark, crossing the halfway point in our \$250 million Campaign for Cooper Union. This is a major step toward achieving our larger goals: to secure the institution's financial future, to sustain the standard of academic excellence for which we're known and to guarantee our full-tuition scholarship policy for the foreseeable future. A new state-of-the-art academic building this year moved from planning to reality. The Hewitt Building was demolished and construction of the new building has begun in earnest. Discussions are underway for development of the 51 Astor Place site, which will begin upon completion of the new academic building.

The confluence of milestones reached this year reflects the achievement of many of the goals set in our 2001 Strategic Plan, setting the stage for a new planning process, to re-envision the future and develop Cooper Union's strategic directions for the next five years. The Academic Council—on which I'm joined by the deans and vice presidents—is coordinating the planning process. A draft plan has been distributed throughout the Cooper Union community for comment. It emphasizes the growing interdisciplinary academic interests and the interdependence of administrative departments. It also focuses on sustaining Cooper Union's academic profile, which will demand reinvestment

continued on page 4

On the cover:

Caitlin MacQueen (A'08) working in her painting studio in Cooper Union's new Long Island City space (see page 5). Photograph by Mario Morgado



148th Commencement 2007

As is the custom, the class of 2007, faculty, staff, trustees and the commencement speaker participated in a processional around the Foundation Building before the ceremony began.



Above, top to bottom

Stan O'Neal, chairman and CEO of Merrill Lynch, delivered the commencement address. He was awarded an honorary doctorate by The Cooper Union.

Leah Isseroff (ChE'07) gave the student address.

Chairman of the Board of Trustees Ron Drucker (CE'62) introduced Angelo Maragos (IDE'07), who presented the senior class gift to The Cooper Union.



PHOTOS: LEO SOREL

After the ceremony, Peter Cooper Triangle was filled with celebrating graduates.

News Briefs

Cuomo and Gingrich Issue Cooper Union Challenge



Leo Sorel

In 1860, presidential hopeful Abraham Lincoln delivered his “Right Makes Might” speech at Cooper Union, which won him the Republican nomination. Sharing the belief that national and international issues facing presidential candidates deserve full discussion and analysis in the style of Lincoln’s time, former House speaker Newt Gingrich and former New York governor Mario Cuomo were the first speakers in The Cooper Union Dialogue Series: A Lincoln-Inspired Event. They discussed the issues facing presidential hopefuls in the 2008 election and issued a challenge to all declared presidential candidates: come to the Great Hall and address the American public in person and in detail—in the manner Lincoln did 147 years ago. Journalist and host of “Meet the Press” Tim Russert moderated.

A great success, the event packed the Great Hall on February 28. Media crews filled the standing area in the back of the hall, and national coverage yielded articles in newspapers ranging from *The New York Times* and *The New York Sun* to *The Dallas Morning Star*.

Democratic presidential contender John Edwards was the first to respond to the challenge and is scheduled to give a major policy address on June 21.

In Memoriam: George Sadek

George Sadek, dean of The Cooper Union School of Art from 1968-81 and founder of the Center for Design and Typography, died of cancer in February at age 78.

Sadek also founded the Herb Lubalin Study Center, whose archive is housed at Cooper Union. Born on October 12, 1928, in Czechoslovakia, Sadek moved to New York in 1953. He served in the army from 1954-56, and went to Hunter College on his return. He received his M.F.A. at Indiana University, Bloomington, where he was director of graduate design and designer of the university museum’s exhibitions and publications.

Sadek came to Cooper Union as a professor and dean. He was the Frank Stanton professor of design from 1981-92, and he also was named professor emeritus.

Sadek is survived by his wife, Miroslava, his daughter Nina and two grandchildren.



Laimute Drusikas



Lance Jay Brown Receives Topaz Medallion

Lance Jay Brown (AR’65), FAIA, is the 2007 recipient of the Topaz Medallion for Excellence in Architectural Education. The award is given jointly by the American Institute of Architects (AIA) and the Association of Collegiate Schools of Architecture (ACSA) to a living individual who has spent at least a decade primarily involved in architecture education, and whose primary contribution has been on the North American continent.

After studying at The Cooper Union, Brown attended Harvard’s Graduate School of Design and received a Fulbright scholarship to Paris. His 38-year career is notable for his distinguished leadership in academia, from Princeton University’s School of Architecture to his tenure as a professor at the City College of New York’s (CCNY) School of Architecture, Urban Design and Landscape Architecture, where he served as associate dean, chair and director for 10 years. Brown currently serves CCNY as coordinator of design. His academic activities include serving as a special advisor working with a student team at the 1997 Mostar 2004 Urban Reconstruction Workshop in Bosnia Herzegovina.

Brown has edited and contributed to many respected architecture publications. He is an active supporter of the Irwin S. Chanin School of Architecture, a significant presence at Cooper Union events, an effective member of the Cooper Union Alumni Council and of the John Q. Hejduk Award Committee.

President’s Message *continued from page 2*

in academic programs, renewal of the faculty, evolving curricula and effective utilization of the enhanced technological infrastructure that will be available in the new academic building. The planning process is aligned with preparation for our 10-year review by the Middle States Commission on Higher Education, which emphasizes outcomes assessment as an important focus.

As we examine the exciting challenges of the future, Cooper Union’s historic and still unique academic and philanthropic mission will continue to be the guiding principle. To carry it out, we are also considering a number of important, overarching questions. What will life in the 21st century demand from the young people we educate as architects, artists and engineers? What major curriculum changes are needed? How can we ensure that recruitment is more inclusive and attracts talented students from all populations? What must we do to continue to attract and retain faculty members with exceptional abilities?

As the college enters what is a truly historic and potentially transformative period, with more than one third of its academic space to be replaced by new facilities, substantial renovations in the Foundation Building and an updated vision for the next five years, it is important to acknowledge that the support of alumni has made a real difference in our success. Together, we will build a physical and academic infrastructure that will profoundly impact Cooper Union’s programs and students for many years to come. We look forward to achieving a shared vision among all constituents of the Cooper Union community.



CU | LIC | NY

Last fall, with the Hewitt Building about to be demolished so the college could begin construction of its new academic building, Cooper Union art students needed a new place to work. After an exhaustive search for a facility with the space and light that Cooper Union required, the college found a large commercial space with room for 80 studios and a classroom in Long Island City.

The raw space was transformed to accommodate the School of Art's academic needs, with studios created for advanced student work. The studios have an interesting configuration, based on a proposal developed by Saskia Bos, dean of the School of Art, with the faculty. "It is amazing how well the space turned out, especially for drawing and painting. We have a beautiful album with photographs of the open house," Bos says. The space had to be flexible for a number of reasons, including presentation needs and to avoid a grid of cubicles. It was also important to allow natural light to flow through, not only for the production but also for the experience of the work. A public presentation during an open house in May demonstrated the success the students were having in their new studios. "The temporary space has proven to be a wonderful opportunity for advanced students to work more independently and create an environment that closely reflects their needs in the future as practicing studio artists," says Professor Day Gleeson.

The classroom that was created for critique and presentation can alternate between a white cube and a black box. There's enough space for 15-18 students to critique work together. The facility includes a small computer room, a video tower with projector and a small shop with tools to construct frames.



CU BUILDS

On May 9, 2007, a brilliantly sunny day, more than 200 guests joined President George Campbell Jr. and Chairman Ronald W. Drucker (CE'62) at Cooper Union's groundbreaking ceremony for its new academic building. With owner's representative Jonathan Rose, contractor Frank Sciame, student Sebastien Tilmans (CE'07), architects Peter Samton and Thom Mayne, Trustee William Sandholm (CE'63), Professor John Bové and senior vice president of the New York City Economic Development Corporation Gil Quiniones, they turned the earth signaling the official start of construction.

Recognizing the building's significance in setting direction for education, New York City recently committed \$3.5 million in capital support. Quiniones said, "Cooper Union has been an incredible partner with the city, and yet again, this institution has shown itself to be a leading innovator. Cooper Union's green design is leading the way in addressing reduction in greenhouse gas emissions."

Like founder Peter Cooper's Foundation Building was in 1859, the new building will be at the forefront of technology and academic discovery, foretelling the future of architectural design, top-tier educational programs and environmental leadership. "Our whole educational process at Cooper Union is aimed at nurturing creativity and innovation, and so there is no question in my mind that that is where Cooper Union will make an extraordinary contribution," says President George Campbell Jr., who asked Morphosis to design a building that had state-of-the-art facilities; an environment where students could feel comfortable, happy and motivated; that brought all the disciplines together in a way that they haven't been before; and that was green. "Looking to the future we, as a civilization, won't be able to survive unless we pay much more attention to the environment, much more attention to energy efficiency," adds President Campbell. "The final criterion was to create a space that would in fact, inspire students, a space such that faculty and students, when they wake up in the morning, one of their first thoughts will be, 'I can't wait to get to that building. I can't wait to work in that new space.'"



Matt Harrison, Diana Csank and Jenifer Becker of the New York City Economic Development Corporation

Above: Irma Giustino Weiss (A'45)

Opposite page: foreground (l to r): owner's representative Jonathan Rose, construction manager Frank Sciame, student Sebastien Tilmans (CE'07), architect Peter Samton, architect Thom Mayne, President George Campbell Jr., Chairman of the Board of Trustees Ronald W. Drucker (CE'62), Trustee William Sandholm (CE'63) and senior vice president of the New York City Economic Development Corporation Gil Quiniones. Background (l to r): Trustees Michael Borkowsky (ME'61), Robert Bernhard (chairman emeritus), Mark Epstein (A'76), Sandra Priest Rose, Richard Lincer, and Lawrence Ng (EE'78); and Professor John Bové.

Below: Supporter Richard Menschel with Ronni Denes, vice president, external affairs



Breaking Ground for the New Academic Building

On May 9, 2007, groundbreaking for The Cooper Union's new academic building on 41 Cooper Square took place. President George Campbell Jr. and chairman of the Board of Trustees, Dr. Ronald Drucker (CE'62) were joined by elected officials, trustees, donors, students, faculty and alumni at a ceremony signaling the start of construction of the college's new state-of-the-art academic building. On behalf of New York City, Gil Quiniones of the Economic Development Corporation spoke, along with the building's designer, 2005 Pritzker Prize-winning architect Thom Mayne of Morphosis. "Cooper Union has reached an important milestone in the college's long and distinguished history," said President Campbell. "We believe we have an unequivocal responsibility to our students to provide an education that is second to none and to create an innovative learning environment that transcends disciplinary boundaries. This building will ensure that they and the future generations have the opportunity to reach their fullest potential."



Jacob Alspector (AR'72)



Pritzker Prize-winner and designer of Cooper Union's new academic building Thom Mayne



Anthony Vidler, dean, Irwin S. Chanin School of Architecture

Designed largely to house Cooper Union's Albert Nerken School of Engineering and the Faculty of Humanities and Social Sciences, the building will also provide additional space for the Irwin S. Chanin School of Architecture as well as modern studios for the School of Art. Environmentally and aesthetically at the forefront of urban design, this academic center has generated exceptional public attention.

Starr Foundation contributes \$10 Million

No less substantial than the building is the generous support it has achieved among alumni and friends. The \$250 million Campaign for Cooper Union passed its halfway mark this year, with more than \$150 million donated or pledged, including the largest single gift from a foundation in the college's 148-year history, a \$10 million gift from The Starr Foundation. Five million of the Starr grant is dedicated to creating laboratory space in the new academic building and another million is for equipment, which will strengthen cross-disciplinary learning throughout the Cooper Union community. "Technological innovation is proving to be the key to national competitiveness in our rapidly changing global economy, and The Cooper Union has been at the center of that innovation for more than a century," says Maurice "Hank" Greenberg, chairman of the Starr Foundation Board of Trustees. "The Starr Foundation seeks to make a difference in tomorrow's world by supporting The Cooper Union and its pool of dynamically talented students in leading research initiatives, purchasing cutting edge equipment, constructing state-of-the-art facilities and providing scholarship support." With an additional \$2 million establishing the C.V. Starr Scholarship Fund to support full-tuition scholarships and \$2 million creating an endowment for the C.V. Starr Distinguished Professorship in Engineering, this outstanding contribution will facilitate research, including the work of five current interdisciplinary centers: The Maurice Kanbar Center for Biomedical Engineering*, The Center for Urban Infrastructure and Systems (which includes The Institute for Urban Security and Protective Design), The Institute for Sustainable Design, The Center for Signal Processing, Communications and Modeling and The Center for Materials Design and Manufacturing Technology.

Designing the Future

The 175,000 square-foot academic building, covering a full block at 41 Cooper Square, will be 40 percent more energy efficient than standard, similar-sized buildings and will include a co-generation plant, radiant ceiling heating and cooling panels, photovoltaic window panels, a green roof, a full-height atrium, an operable building skin made of perforated stainless steel panels and other state-of-the-art sustainable technologies.

Just as the Foundation Building set standards for innovation in 1859, with its rolled steel infrastructure, elevator shaft, air circulation system, open studio configurations and free library, the new building will stand unique and in the forefront of testaments to scientific inquiry and aesthetic innovation—and sustainability.

**The Maurice Kanbar Center for Biomedical Engineering is named for the entrepreneur–inventor whose gift of \$10 million, the largest contribution by an individual in the college's history, was used in part to launch the center. Founded in 2002, the Kanbar Center is already advancing the study of orthopedic biomechanics, medical imaging and minimally invasive surgery (for more information about these centers, please see p. 16).*



**Clockwise from top left:
Classroom, faculty office, art gallery,
Alumni Roof Terrace, laboratory**

Support the New Building

We have long provided our students with a superior learning environment, complete with the latest pedagogical tools and most sophisticated technology. Our new academic building will provide state-of-the-art facilities with highly efficient, technologically flexible classrooms, studios and laboratories—be one of the first to name a new space here.



3D Rendering Production: 3D WIN, Inc.



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Pentagram, 2007



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*Deceased



James Kendi



Juliana Thomas



Juliana Thomas

From top to bottom:
Contributor Maurice Kanbar;
Trustee Sandra Priest Rose;
and Trustee Robert Bernhard,
chairman emeritus

Mayor Michael R. Bloomberg recently challenged Cooper Union and other colleges and universities to lead his 30 in 10 challenge—a commitment to 30 percent reduction in greenhouse gasses throughout the City in 10 years. Cooper Union became one of Mayor Bloomberg’s PlaNYC Challenge Partners,” leading the effort with New York City’s first LEED certified green academic laboratory building, built to the Gold LEED standard, opening in 2009.

With the new academic building replacing more than 40 percent of Cooper Union’s academic space, architect Thom Mayne conceived of the building as a “vertical campus.” He and his team incorporated many leading edge features. A grand stair functions as both conduit and social space with lounge space at each landing. It cuts through a central atrium that rises the full height of the building, offering visual connectivity. Spanned by “sky bridges,” the atrium allows the influence of engineering, art, architecture and the humanities to intersect organically throughout the building.

Its energy-efficient architecture features a stainless steel and glass double skin that will open and close to maximize daylight and energy use. Water will be collected from the green roof for both irrigation and to flush the toilets on lower levels. Renewable energy from a co-generation system will both generate and recycle heat to supply hot and cold air and water to the new facility as will a similar system in the Foundation building. Efficient state-of-the-art mechanical systems will refresh air and recycle water. The structure itself will be adaptive, with flexible space that is reconfigurable for multipurpose use and to last for generations as needs change. Each of these features has made this building, Cooper Union’s future, an archetype for other buildings to come: The City of New York has selected it as a model for green building and will include it in a forthcoming handbook for organizations starting new building projects.

The new academic building’s auditorium, which will be named in honor of the late Frederick P. Rose, is made possible by the vision and generosity of Trustee Sandra Priest Rose and her family, with a gift of \$5 million. The auditorium, where the conversations of the new millennium will engage New Yorkers in great debate, will be designed to enhance digital audio, video and interactive discourse throughout Cooper Union’s constituent communities.

Across the Jacques and Natasha Gelman Exhibition Foyer, a new gallery will showcase professional work, along with student accomplishments in art, engineering and architecture. Supporters of the building will be prominently recognized on the Donor Walk, conceived by Mayne and graphic designer Abbott Miller (A'85) (see p. 30). Names will be permanently engraved on dramatic suspended aluminum panels above the stairway that descends from the building's main lobby to the gallery and auditorium on the lower level.

Clustered adjacent to the atrium will be 45 faculty offices on floors three through seven lining the west side of the new building, with windows overlooking Peter Cooper Park, creating quiet space for work and meetings with students. Each room will have individual temperature control, acoustical treatments to ensure isolation and privacy, extra light from an above-door clerestory, and a flexible layout to suit multiple needs.

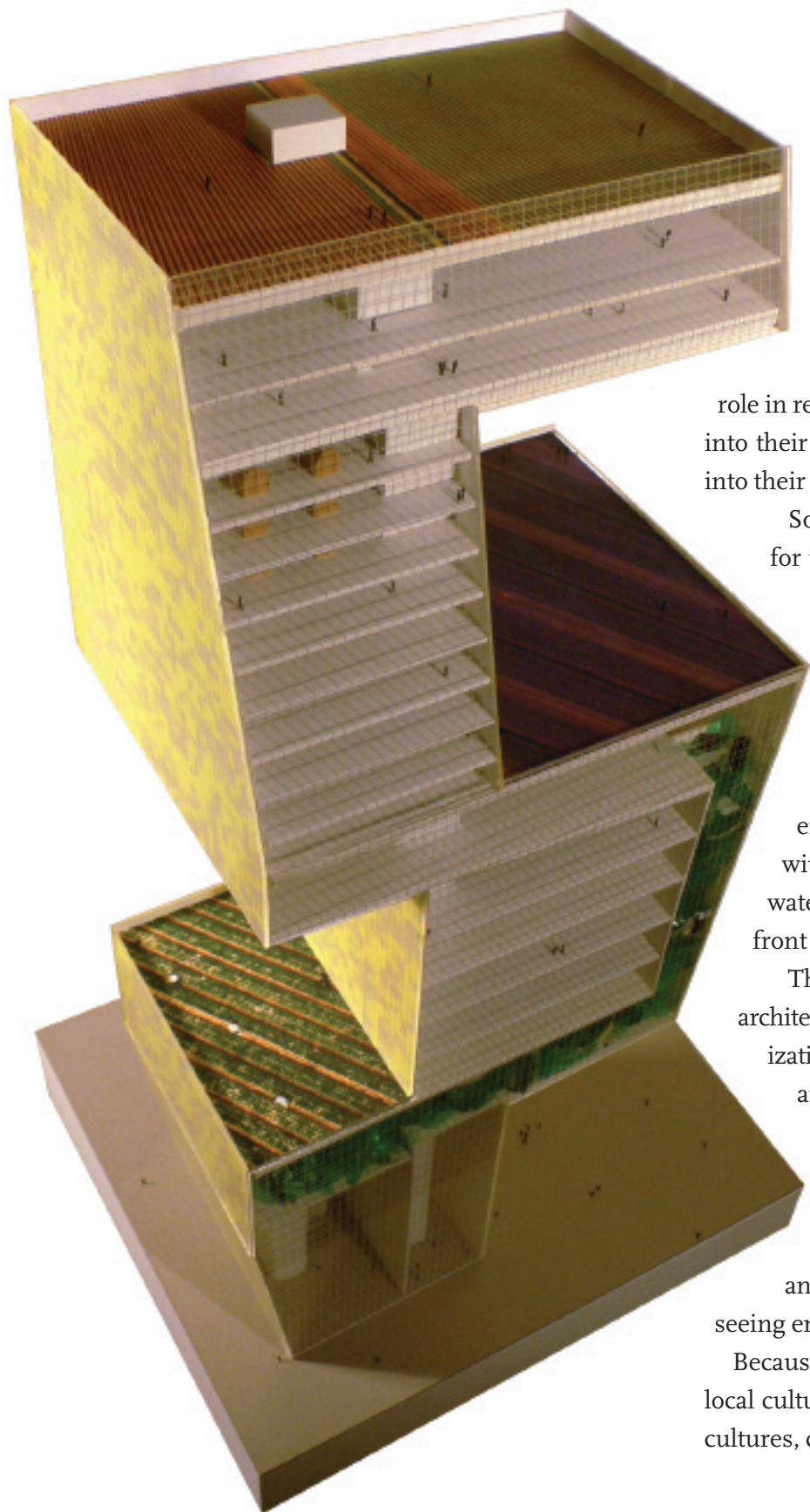
Technologically-rich studio classrooms and laboratories will be located throughout. Specialized labs for chemical, civil, electrical and mechanical engineering and in physics—along with labs for student work on research projects, will be outfitted for multimedia presentations and digital communication. Art students will have individual studios in spacious art suites on the top floors, many of them sky-lit. These studios are where Cooper Union's exceptional young artists will spend their most productive hours creating new works.

Above it all, the Alumni Roof Terrace will provide unique, outdoor urban space that overlooks the Foundation Building and historic Cooper Square. Adjacent to the roof terrace will be a green roof, the deck surface of which will be covered by a layer of low-maintenance plantings, helping to reduce city "heat island" effect, storm water runoff, noise, summer air conditioning costs and winter heat demand.

From its inception, Cooper Union has created an environment for inquiry, a unique means of examination and an incubator for talent, regardless of privilege. Its legacy is generation after generation of contributors to engineering, architecture, art and public service. The building we create with this campaign will elegantly and functionally perpetuate and celebrate those whose generosity has made it possible.



Brave New World: The Poetics of Sustainability



There is no doubt that global warming has finally become a focus for people around the world. Now the subject of intense scientific and public scrutiny, the subject demands solutions both intellectual and practical—and swift. In February of this year, the Intergovernmental Panel on Climate Change, which was put together by the United Nations, reported that carbon emissions are at an all time high and that “warming of the climate system is unequivocal.” Since new construction accounts for almost 50 percent of production of greenhouse gas emissions, it’s no wonder that architects are incorporating green ideas into their practice. Many graduates of The Cooper Union’s Irwin S. Chanin School of Architecture are taking a leading role in responding to the global environmental crisis by integrating issues of sustainability into their designs and, for those who have leadership positions in academic institutions, into their curricula.

Some people have been aware that the planet’s environment has needed protection for the last 30 or 40 years. As Toshiko Mori (AR’76) says, “The big question is ‘why now?’” Mori, who is the chair of the architecture department at Harvard University’s Graduate School of Design, as well as the principal in her own practice in downtown New York City, explains that this is something she’s always integrated into her designs and into her curricula. She co-teaches an engineering class for her students with Matthias Schuler, a German climate engineer. Her students, as she says, “are aware of the cultural, political and scientific issues that come up in our daily lives” and they use those in conjunction with research on various elements of climate change, including carbon emissions, water management and alternative resources, in order to bring their work to the forefront of designing buildings that are environmentally responsible.

The question “why now?” is a good one. Stan Allen (AR’81), dean and professor of architecture at Princeton University, hypothesizes that it’s got everything to do with urbanization. “Architecture,” he explains, “has been and will be associated with urbanization and modernization.” Many of the social and environmental issues that architects will face in the near future stem from the problems created by the tumult of recent urban expansion. “Cities like Lagos, Jakarta—and already cities like Mumbai or São Paulo—are expanding much faster than Paris, New York, Tokyo or London. There is an incredibly rapid expansion in developing countries and, in many cases, the infrastructure can’t handle this rapid development, and we’re seeing environmental, social and political consequences.”

Because a lot of new building is going on in developing areas, the question of sustaining local cultures also comes up as an issue. Allen thinks that indigenous cultures, like other cultures, change over time, and that many have clearly shown that they want to modernize

Stan Allen's student Kyle Reynolds designed this waste management facility (left) in Chicago's Loop. The building acts as the new logo for a 'Green Chicago' and is defined by three processes: composting, recycling and waste to energy incineration, which respectively produce soil for farming, raw materials for manufacturing and energy for power.

The Syracuse Center of Excellence in Energy and Environmental Systems (below) is a research center and a federation of more than a dozen institutes and corporations that promotes energy efficiency and indoor environmental quality. Considered a "living lab," the facility incorporates cutting-edge technology for energy efficiency, embodying its sustainable mission. It supports its water and energy usage through renewable resources. Designed by Toshiko Mori Architect in collaboration with Ashley McGraw Architects, Arup, and Transsolar Energietechnik GmbH.



and have access to the conveniences that modernization brings. He feels strongly about allowing cultures to evolve rather than imposing our views on them: “That’s paternalism: we’re telling them what we think their culture should be.” In fact, he feels that globalization—or the combination of local cultures plus the effect of modernization and Westernization—will lead to “cosmopolitanism,” a term associated with Kwame Anthony Appiah, a professor of philosophy at Princeton. Cosmopolitanism simply says that the hybrids created by globalization will be more interesting than preserving local cultures, since they create a dialogue between the world’s peoples rather than relegating them to

system, which is comprised of all these beautiful cultures that have long lineages of uniqueness, and homogenize it.” Where architecture once reflected unique mythologies and ways of life, it now runs the risk of universally reflecting a minimalist, industrial aesthetic. “Sustainability,” Douglass continues, “should be linked to the poetics of local culture, which in turn, is linked to the well-being of the planet.” He foresees architecture that is not just localized, but individualized in terms of the poetics that sustainability will offer.

Often, sustaining local cultures is tied in with the aesthetics of green buildings. Peggy Deamer (AR’77) sees this happening first hand at her new post in New Zealand. She



David Sundberg/Esto

We asked architects and Cooper Union graduates T.J. Gottesdiener (AR’79) and Laurie Hawkinson (AR’83) how they felt global warming reports and issues of sustainability informed their practice.

Gottesdiener is a managing partner at Skidmore, Owings & Merrill LLP and recipient of a 2007 President’s Citation from Cooper Union. He was part of the team that worked on 7 World Trade Center, which is the first commercial Gold LEED certified building in New York.

Hawkinson, who is a principal at the firm Smith-Miller + Hawkinson, is also an associate professor at Columbia’s School of Architecture and a board member of the Architectural League of New York.

Gottesdiener answered like this: “Clients and young architects are instrumental in raising awareness of green solutions. In our office, we have a ‘green team’ that comes up with all sorts of initiatives to ensure that we are practicing what we preach within our own office. We even reimburse our architects for LEED certification.

“In our architecture, we make sustainability a part of the design. We assume that it is a standard and that our clients will come along with us because it makes sense in every way. We can show our clients how the upfront cost will be paid back over the long term. What we’ve found is that clients are interested in green solutions in terms of future profitability and then secondly in terms of stewardship, as guardians of the environment.”

Hawkinson says, “How do the issues inform our practice? Well, in every way, but I would also say that the word, ‘sustainable’ is an over-used, catch-all term and that we might want to think about it as more than just some ‘additive function,’ like adding a porch onto something. We might want to think about it in terms of over all energy savings. For example, think about making lighter materials, maybe woven materials like nanofabrics. Nanofabrics have incredible savings because that lightness is a sustained lifting-away. So we should think about the term ‘sustainability’ in a much broader way that will have much more deep meaning, rather than tacking on some device. It would be a sea-change in the way that we are thinking.”

7 World Trade Center, designed by SOM, is the first commercial office building in New York to be LEED Gold Core and Shell certified.



Robert Pollard

The Wall Street Ferry Terminal on Pier 1 in New York, NY, designed by Smith-Miller + Hawkinson Architects, is a sustainable building in its orientation, which supports the fact that the entire public area does not use air conditioning. Instead, it is cooled by the breezes that move up and down the river.

a pristine and unchanging past. Evan Douglass (AR’83), who is the chair of the department of undergraduate architecture at Pratt, agrees, and sees this as a challenge for architects of developing nations. China, for example, is interested both in being a part of the contemporary design community and sustaining its unique cultural history. The danger of globalization, as he sees it, “is that speed without content is meaningless, or more importantly, is fundamentally subversive, because it will take a heterogeneous

recently moved there to become the head of the University of Auckland’s National Institute of Creative Arts and Industries’ School of Architecture and Planning. Formerly the assistant dean at Yale’s School of Architecture, Deamer was impressed by the difference in building green between the United States and in New Zealand. “There is much more of a consciousness about it at a public level here. I’ve seen billboards that talk about your ‘carbon diet!’” she says. But, more than that, architecture in New

Zealand offers an idea of what the hybrids of globalization might look like. The Maori, New Zealand's indigenous population, are quite involved in the development of their country: Deamer explains, "You don't ever propose something that doesn't take into consideration all of the cultural rituals and paradigms that are socially meaningful to the Maori. Some of the leading architects here are bending metal and patterning things in a way that goes hand in hand with an aesthetic that comes from Maori culture." This is especially evident in what she calls the "tattooing of the surface of the building," which echoes Maori cultural practices. Like Allen and Douglis, she believes that the issue is having modernism and local cultures co-exist, so that it's not just imported and imposed Westernism.

So what is the role of the architect in all this? How do you make thinking green not just a priority, but a taken-for-granted reality? Allen suggests that it's not just about new technologies or techniques that make for a smaller footprint; it's really about changing the mindset or approach to architecture. "Even five or six years ago, questions of environmental responsibility or sustainability were something added on. Today, it has to be automatic: it's no longer optional. Just as we wouldn't train our students to build a building that would fall down, we wouldn't train them to design buildings that use resources irresponsibly. It's incorporated integrally into our curriculum. We have what we call an integrated building studio where we bring in environmental engineers, sustainability experts. It's much less about the bells and whistles than about simple decisions about the orientation when you site a building and how it's going to relate to the sun angles." Deamer feels that New Zealand offers a place-based studio for architecture students because of the wide climatic variation, running the gamut from sub-tropical to temperate to extremely cold. The country attracts a wide variety of students who can use this outdoor laboratory and then bring the results back to their own countries. Deamer puts it like this: "They're speaking about global issues here, and there are students from all over the world whose interests are in their native countries, so the cross-fertilization that happens here in terms of ideas is amazing."

There are several ways to approach this new outlook on sustainability. Allen asks, "What kind of new city are we imagining?" Ironically, he says, older city models were more environmentally conscious—the smaller scale that allowed for walking rather than driving, or buildings that used natural ventilation provided by opening and closing windows. So Allen suggests that architects incorporate some of these elements of older urban planning: for example, by avoiding urban sprawl, cities can be created that don't need cars. He believes that the institution of the LEED (Leadership in Energy and Environmental Design)

standard by the United States Green Building Council was an important step. Deamer proposes another tried and true method: focus on the local. She wants us to think about the indirect resources that we consume: "You shouldn't just be thinking about not using materials that are limited in supply, but about the very way in which we measure carbon consumption. How far have you asked your laborers to drive? How far do the resources have to travel? Did they come in a truck? In a boat?" Another billboard she's spotted in Auckland is a good example of drawing attention to the indirect. It instructs "Travel more economically: Blow up your tires."

Douglis thinks about a future where we'll start looking more to nature and natural processes in revising the way we build. "Why isn't it possible to find a more harmonious integration of the distribution of the energy that is constantly drifting around the planet? The answer is, it can be. There are a number of disciplines that have been looking at nature in order to understand the logic and the underlying structure that is responsible for unusual and spectacular affects." The question he poses is "can architecture adapt these processes, maybe replicate something like the absorption and distribution of energy as in photosynthesis?" Mori's philosophy is similar: while she believes that the role of the architect is to "minimize or make a zero carbon footprint," she wants to take it a step further. Better still, why not make buildings that "generate their own energy using renewable resources"?

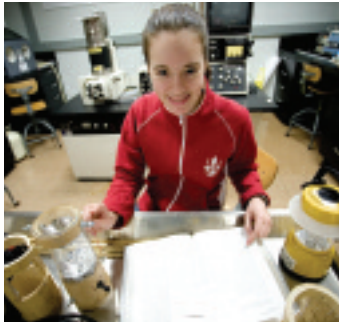
"The beauty of the time we live in," Douglis says, "is that we, as architects, can cross out of our own discipline and collaborate with a whole series of other disciplines." In fact this is absolutely necessary in order to make a clean, green planet a possibility. As Mori points out, "this is a global issue. Architects need to engage in a collaborative dialogue with scientists, with the business community and with political leaders."

As awareness grows of the problems we've caused to our environment, everybody is going to have to do their share to help fix them. By envisioning sustainability not just as a surface remedy but as a new consciousness that will enable us to care for our planet more deeply, architect-educators like Allen, Deamer, Douglis and Mori ensure that our children and grandchildren, and hopefully many generations beyond, will have a place to call home.

"Sustainability should be linked to the poetics of local culture, which in turn, is linked to the well-being of the planet."

—Evan Douglis

Great Minds Think



“We have this vision,” says Eleanor Baum, “about project-based learning. The students at Cooper Union are just too smart to be taught solely from a book. With project-based learning, they have to create ideas they don’t know, they have to learn things they don’t know and what comes out of this is innovation, discovery and inventiveness.”

At Cooper met with the Albert Nerken School of Engineering’s Dean Baum and Associate Dean Simon Ben-Avi to discuss some of the interdisciplinary research centers that will operate under the new C.V. Starr Research Foundation. Baum, an enthusiastic spokeswoman for her school, holds a B.E.E., M.E.E., Ph.D. and two honorary degrees. Ben-Avi was originally trained as an electrical engineering professor, but has a doctorate in computer science and artificial intelligence, and conducts research in biomedical engineering. Both see project-based learning as very important because it generates the innovative and creative energy of the whole school. As Professor Stan Wei, who directs the Center for Materials Design and Manufacturing Technology, says, “one objective is to make sure that the students get a well-rounded education even though they are trained as mechanical engineers, so they’re prepared to go out and solve interdisciplinary problems. The second thing is that we want to be sure that they can communicate well to their peers and to people in non-engineering professions. Finally, we want to be sure they know that learning is never ending.”

The Nerken School has an advantage in its diverse faculty, each of whom has diverse research interests to match. Ben-Avi, for instance, is also a classical musician. Professor David Wootton, who heads the Maurice Kanbar Center for Biomedical Engineering, was brought up in a family that fostered interests not just in the life sciences, but in the arts as well. Professor Jameel Ahmad is a consultant for the New York City Police Department, while at Cooper Union he runs the Center for Urban Infrastructure and Systems. Professor Ruben Savizky (ChE’98), a chemist, is trying to figure out the exact chemical content of ancient Roman paint, to see if the technique can be replicated. Another concern he has been working on since graduate school relates to the issues surrounding a cure for AIDS.

The engineering school is full of men and women who are confident that they can find solutions to help change the world. The issues that come up repeatedly are sustainability, security and improving the lives of others, whether through improved medical devices or more efficient ways of using energy. This isn’t just idealism; they’ve got the skills, knowledge and motivation to work on some of the greatest challenges facing our society.

Though the faculty comes from different sub-disciplines, one thing that all have in common is a focus on work that has an immediate and real impact on the world outside academia. This concern with relevance beyond the elegant solutions of the theoretical is a principal basis for the School of Engineering’s support of innovation and is largely unusual for an undergraduate program. Because professors collaborate and tend to work on several ideas and projects simultaneously, there are always a great number of interesting endeavors being carried out at any given time.



Differently

The engineering school is full of men and women who are confident that they can find solutions to help change the world.



Dean Eleanor Baum
and Associate Dean Simon Ben-Avi



The research centers in the School of Engineering are pivotal in terms of the cutting edge studies they will facilitate, and the expectation is for increased collaboration. For instance, the Center for Materials Design and Manufacturing Technology will deal with product design, robotics and nanotechnology. The center will allow engineers to work in the fairly new field of nanotechnology to achieve improved materials in the development of, for example, fuel cell technology. More partnerships are being formed among the sub-disciplines, like that of Wei, Professor George Sidebotham and Professor Robert Dell, director of the Cooper Union Laboratory for Energy Reclamation and Innovation. They are currently conducting research on a Con Edison-sponsored project to save and recycle energy lost in the process of providing steam energy to New York's inhabitants. They have developed a device that would lower costs and increase energy efficiency both for the energy company as well as the consumer.

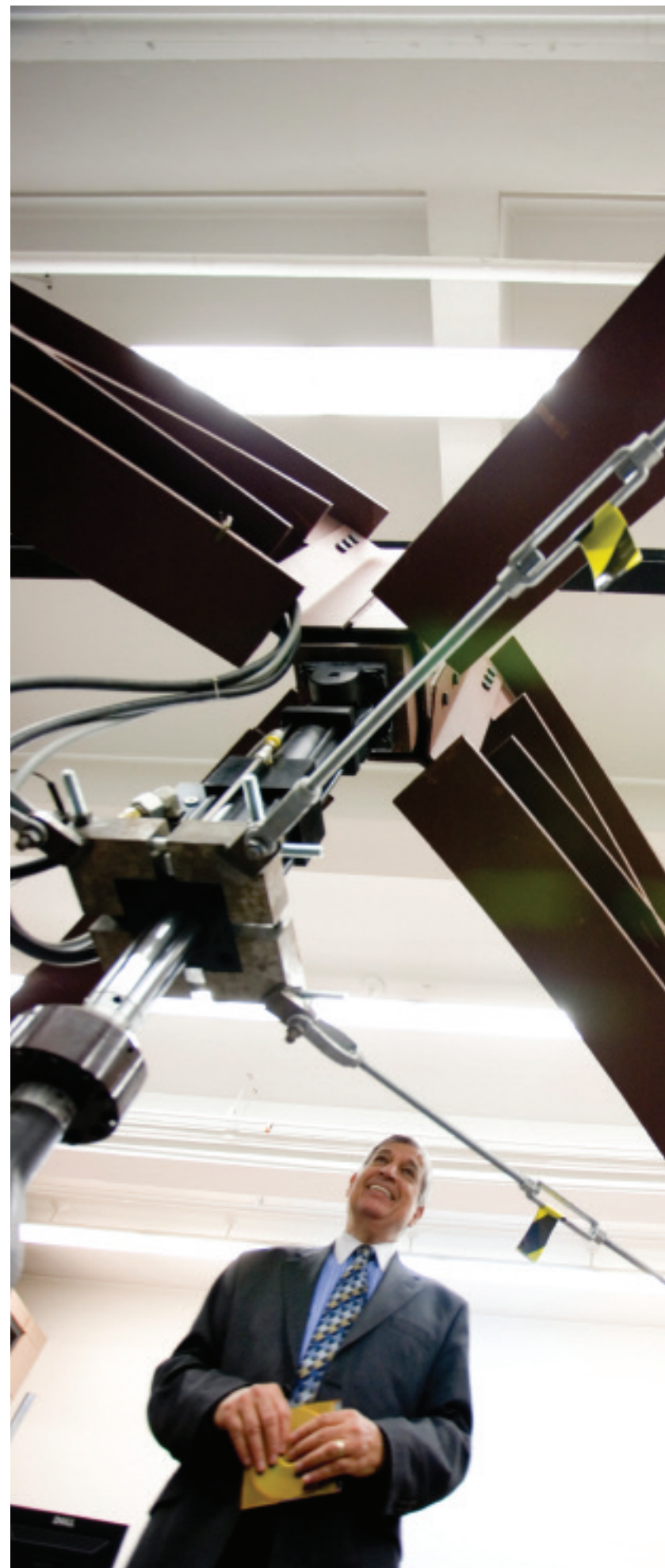
Professors not only work together on projects within engineering, but with faculty and students from Cooper Union's other schools. They collaborate with people at other universities as well, and also with a wide range of people who work outside of academia altogether. Professor Toby Cumberbatch, an electrical engineer, for example, strongly feels that in order to best accomplish his goals, collaboration is essential. With this in mind, he created the Center for Sustainable Engineering, Architecture and Art—Materials, Manufacturing and Minimalism (SEA2M3), because an interdisciplinary approach is necessary, as he writes, “to develop an awareness of solutions to engineering problems that preserve the integrity of the commons, the natural resources that we all share and need, such as the atmosphere, the oceans and the vegetation.” He's currently running his fourth two-month program in Ghana with a select group of students from each of Cooper Union's schools—art, architecture and engineering—who try their hand at creating tools that make sense within an environment that is so completely different from our Western one, not least of all in terms of impoverishment and lack of materials and limited resources. The projects his students are working on include rechargeable lanterns and a defluoridation filter. His students have risen to these challenges, and will test out their inventions at the field school this May. After having the Ghanaians critique their work, they'll return to Cooper Union with a much clearer idea of how to enhance the practicality of their work. The back and forth of interacting with other people will have added immensely to the learning process.

It is exactly that interdisciplinary nature of learning and teaching at Cooper Union that makes a huge contribution to the environment of innovation and inspiration. Because of their pioneering approach and their work outside academia, many of the faculty are patent holders.

For example, Ahmad holds several patents, including one for an imploding wall, which he shares with Cooper Union. Originally from Pakistan, Ahmad has been at Cooper Union for almost 39 years. He feels students should look at what major societal problems need to be solved, and then develop the skills necessary to do so. He believes that where there are problems for engineers to solve, there will be funding, so addressing the needs of society will allow his center to become self-sufficient.

The belief that engineers should work to meet society's needs is a common thread. As Dell says, “There are many systems. Walking is a system, painting a picture is a system, engineering is a system. If you have four or five systems that have to be integrated, you have to make sure that when you solve a problem in one system, you're not creating

The Nerken School makes it a top priority to choose faculty who are all strongly invested in improving people's quality of life.



greater problems in the other interconnected systems. When you understand the totality with clarity, then you realize that though there's no such thing as a simple problem, there can be an elegant and simple solution." It was this approach that led him to wonder about district heating systems in urban areas that generate steam in central locations. "In New York City, more than 2,500 buildings use steam generated by Con Ed, however not all of the steam is used," he says. "There is no recirculation system. The waste steam heat, in the form of steam condensate, is currently mixed with and cooled by the municipal water supply. This fluid is dumped into the sewer system creating thermal pollution, which wastes both potable water and energy."

Dell realized that the excess heat could be used to warm the soil of small urban gardens, which would have the additional advantage of conserving water. "This will prolong the growing season and significantly increase crop yields, which can create year-round gardens," he says. "This technology can be integrated to improve the benefits of green roofs." In 2006, Dell, who holds a number of pending and provisional patents, received a major grant from the Lindbergh Foundation to carry out this research. The University of Iceland's Agricultural Research Station has appointed Dell visiting research scholar. He is establishing a study abroad link that will enable Cooper Union students to work with him using geothermal hot water in the Reykjavik area to test his system in a northern climate.

Project-based learning and the creativity it fosters, as well as the high caliber of students, have made Cooper Union an inviting place to work—so much so that it has attracted many of its alumni to the faculty. Professor Fred Fontaine (EE'86/ME'87), director of the Center for Signal Processing, Communications and Computer Engineering (S*ProCom2), has both undergraduate and graduate degrees from Cooper Union. He has been developing new technologies for the effective collection of information, an application which has the potential to change many fields. "We're being flooded with large amounts of data," he points out, "and data is not, in itself, information." Exploring that concept, Fontaine is developing a new approach to MRI technology, which will selectively scan for information rather than gathering a great deal of unnecessary data. "One of the problems with biology," he says, "is that the systems are large. The human body is large and complex. It's very hard to deal with in a systematic, scientific way." The MRI technology that he's developing would allow doctors to scan the human body selectively to only take the information they need, and leave out the data that's not essential. These new technologies will sift through tons of data to pick out what's important. They can be used, for example, to create machines that can detect landmines or chart changes of environmental conditions. He and his students are working on research sponsored by Fresh Direct, a company that ships food directly to customers, to create smart software to customize service for their clientele.

This MRI technology is very interesting for bioengineering. Wootton is working on tissue engineering, and one of his projects is to come up with new ways to deal with sleep apnea, where the tissues of the throat collapse while a person is sleeping, obstructing air passage ways, which can lead to death. Fontaine's technology would provide one more way for doctors to see what exactly happens, which would allow Wootton to engineer a more effective solution. Wootton's work with tissue engineering could also have revolutionary significance for things like problematic knees and other joints—with his students, he is actually coming up with ways to make cartilage and to then attach it to bones.

These are just a small sampling of the projects being carried out at Cooper Union. Baum says, "We're teaching people not just to learn but to want to learn and be able to learn on their own. We're teaching people to aim high: to think of themselves as leaders, not followers; people who can make a difference."

Center: Professor Jameel Ahmad

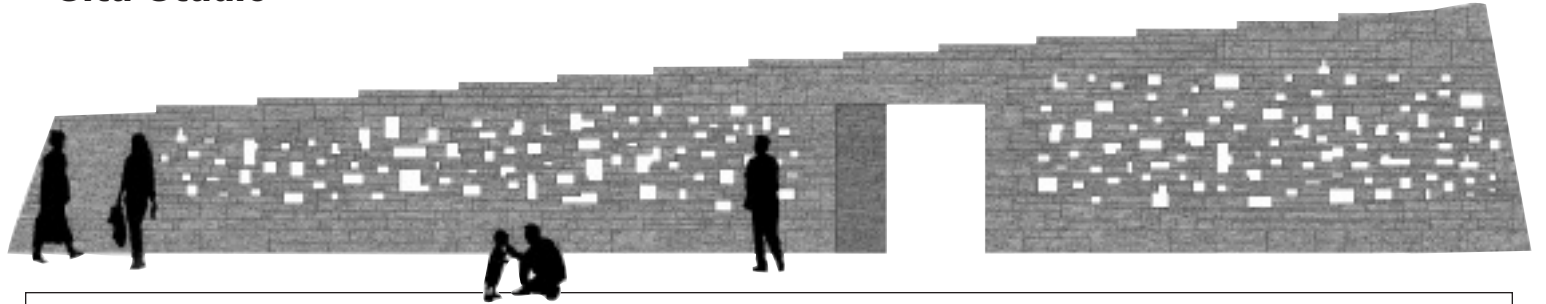


From top to bottom:
Professors Stan Wei, David Wootton,
Toby Cumberbatch, Ruben Savizky
and Robert Dell





Situ Studio



Situ Studio was founded by Sigfus Briedfjord (AR'05), Basar Girit (AR'05), Aleksey Lukyanov (AR'05), Westley Rozen (AR'05) and Bradley Samuels (AR'05) after graduating from The Cooper Union's Irwin S. Chanin School of Architecture. In its first two years Situ Studio has worked on a wide range of projects for both public and private clients. Among its first projects was a collaboration with artist Freddy Rodriguez on a memorial to the victims of American Airlines Flight 587, which crashed in Belle Harbor, Queens in 2001. Situ Studio and Mr. Rodriguez were awarded the project after winning a City-sponsored design competition held in the summer of 2005.

The challenge of this site/project was to create a quiet space for contemplation within Rockaway's busy and heavily trafficked commercial center. Oriented toward the ocean beyond, an arcing granite wall sits atop an elevated plinth surrounded by planters and nine pear trees. The vegetation serves as a screen separating the visitors from passersby. A series of voids in the wall frame views of the water and sky and provide places to leave flowers and mementos in honor of loved ones. The names of each of the 265 victims are inscribed on the surface at various heights and a single threshold cuts the wall at its center. At exactly 9:12 am each year, on the anniversary of the crash, sunlight passes through the threshold and aligns with the pattern of paving on the ground.

With the plane en-route to Santo Domingo, many of the passengers on the flight were of Dominican descent. The tragedy, the second largest in U.S. aviation history, brought together New York's Dominican community and the residents of Belle Harbor. On November 12th, 2006 the Flight 587 Memorial was dedicated in a ceremony honoring the fifth anniversary of the crash.



Alumni News

Alumni Association President's Column

**Don Toman
(EE'55)**

In the late summer of 2005, I wrote my first column for *At Cooper Union*. After I introduced myself, some of what followed was a kind of manifesto; a statement of purpose and intention. I said that we alumni needed to strive for an increase in informal activities with the idea in mind of getting to know one another so that we could better introduce ourselves, the accomplishments of our fellow alumni and the outstanding legacy of Peter Cooper to the world outside our insular community. We've managed to increase the tempo of both formal and informal activities somewhat, and we may even have raised individual consciousness levels. I look forward to reaching a critical mass, when the frequency of communication among alumni increases more than the frequency of communication to alumni.

In recent years, Cooper Union has been working to fulfill the goals of a strategic plan that was written to move the institution into the 21st century. Central to the plan was a new academic building. Since then, thanks to a talented and dedicated Board of Trustees, heavily seeded with both Cooper Union alumni and committed friends of the institution, a great deal of progress has been made, and the new building is in the process of being built. As we planned for the new academic building, the Board negotiated a minefield of challenges and steered a course that established a solid financial footing for the institution.

With that as background, we are beginning to see an environment in which a combination of the institution and its alumni will raise their visibility to new levels. The world is bound to know more about both in the next two years than it knew in the past.

You now have something to discuss when you exercise your responsibility to be an ambassador for Cooper Union. You can tell everyone about a new, modern facility that is scheduled for completion and dedication on Peter Cooper's birthday in February 2009...during the sesquicentennial celebrations of the founding of the institution.

Leading up to this extraordinary event, we continue to engage in Alumni Association activities. Since October, we've had a successful Art Auction and Casino Night; three events in Florida; a reception and luncheon in Washington, D.C.; a luncheon at the Culinary Institute of America, followed by a reception graciously hosted by Marilyn Hoffner (A'48) and Al Greenberg (A'48); a reception for alumni, faculty and staff; a "farewell to the Hewitt Building" night; our annual wreath-laying ceremony; and a reception and tour guided by Alex Katz (A'49) of an exhibition of his works at New York's Jewish Museum. In response to Dean Eleanor Baum's request, about 100 engineering alumni gathered on a Friday afternoon to offer their thoughts about strategic directions for engineering education, and an unprecedented number of engineering alumni participated in a very successful engineering career night, attended by an equally large number of students. A characteristic of both of the engineering events was the spread of ages of alumni attending, spanning from the 1940s to the class of 2006.

The Alumni Council has had two meetings this academic year. At the October meeting, President Campbell presented a State of the Cooper Union address, including progress on the new academic building. At the second, Dean Mitchell Lipton talked about increasing alumni involvement in meeting with newly-admitted students to answer questions and help to ease the transition to the world of Cooper Union. At the February meeting, the Council approved an amended CUAA Constitution for the approval of the membership at large and also approved a set of amended by-laws.

There have been evolutionary changes to the alumni web site (www.cualumni.com). Prominent among them has been the addition of an alumni newsletter, featuring essays written by members of the executive committee and open to any and all who wish to participate. We have seen improvements to the home page,



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wherein we now see recent alumni awardees and trustees featured and we have been slowly seeing the addition of individual class pages and a page for the Alumni Council. We now have a photo gallery to capture some of the flavor of recent activities. The Alumni Handbook is now online. You will note the addition of very attractive graphics to our event announcements. We look forward to many more additions that will increase both your enjoyment of and your visibility in the workings of the Association. We hope to incorporate features that will facilitate social networking among alumni and we hope to be able to introduce a detailed, comprehensive calendar of events.

Thanks to a recommendation by the Association, you will now find *At Cooper Union* online at www.cooper.edu/administration/alumni/atcooper.html.

The success of the Engineering Strategic Directions initiative has shown that when Cooper Union alumni are asked for opinions, they show up in big numbers. It looks as though that's a wonderful indicator for the future. While we may not have achieved all the goals of the manifesto I set forth in the summer of 2005, I think we've made impressive progress.

Let me know what you think...and above all, keep Cooper Union and its alumni in the forefront of your thinking.

We are the legacy...

THE COOPER UNION FOUNDER'S DAY DINNER DANCE



Members of the class of 1982 celebrated their 25th anniversary.

Founder's Day Dinner Dance co-chairs Deanna and Rob Marano (EE'93)



More than 300 alumni, guests and other members of the Cooper Union community gathered at the historic Hudson Theatre for this year's Founder's Day Dinner Dance to celebrate Peter Cooper's 216th birthday and to recognize seven outstanding alumni for their professional achievements and service to the Alumni Association and Cooper Union.

In conjunction with this year's event, 43 members of the class of 1982 kicked off their 25th anniversary by attending a special reception just before the dinner dance.

Dinner chairs Rob Marano (EE'93) and Deanna Marano were acknowledged and thanked by Don Toman (EE'55), president of the Cooper Union Alumni Association, as was Design Center director Mindy Lang (A'82) for designing the event invitation and program. President George Campbell Jr. expressed his hearty congratulations to each of the award recipients. Following the awards presentations, members of The Cooper Union Ballroom Dance Team performed a salsa choreographed by Eline Boghaert (Eng'o8), and invited the guests to join them on the dance floor to the music of the Cal James Orchestra.



Far left: (l to r) Madge and Bernie Rothzeit (A'49) with Rolf Ohlhausen (A'58) and Suzanne Davis

Left: (l to r) Bob Volpe (EE'82), Frank Napolitano (ME'88/MME'88), associate dean of students and director of intercollegiate athletics Stephen P. Baker and John Matulaitis (ME'82/MME'86)

The 2007 Alumni Award Winners

Alumnus of the Year:

Dr. Ronald W. Drucker (CE'62) was recognized for his dedication and commitment to the Alumni Association and The Cooper Union. A consultant on transportation and technology issues, Drucker is the retired CEO of CSX Rail Transport and CSX Technology, having served CSX and its predecessor companies between 1966 and 1992. He serves as a board member of Landstar System, Inc. and Sun Trust Bank-North Florida, and is a member of the American Railway Engineering and Maintenance-of-Way Association and the American Society of Civil Engineers. Drucker has served as chair of The Cooper Union Board of Trustees since 2004, and has been president of the Florida regional alumni chapter since 1997. He received the Gano Dunn Award in 1996.

Augustus Saint Gaudens Award for Art:

Roy DeCarava (A'40) was recognized for his professional achievement, having devoted more than 60 years as a master photographer in the fields of art and education. He is a distinguished professor of art at Hunter College, where he established photography as a graduate degree program. In 1952 he became the first African-American photographer to receive a Guggenheim Fellowship. While continuing his artistic work, he began a career in freelance editorial photography during the 1960s, producing work for a diverse set of corporate clients. By the 1990s his own work had been included in the renowned The Family of Man exhibit and became the subject of 15 solo exhibitions and several major museum publications. The Museum of Modern Art presented a retrospective of DeCarava's work, which traveled from 1996 to 1999 to museums throughout the United States. DeCarava is a recipient of the 2006 National Medal of Art from the National Endowment for the Arts.

Mark Alan Stamaty (A'69) was recognized for his professional achievement as an American cartoonist and children's book author and illustrator. A long-time observer of American culture and politics, from the 1970s through the 1990s, Stamaty's work appeared regularly in *The Village Voice*. He is the creator of the long-running comic strip *Washington* for *The Washington Post* and the recurring back-page feature in *The New York Times Book Review* called Boox, a satirical view of publishing professionals. Stamaty's published books include *Alia's Mission: Saving the Books of Iraq* (2004) and the 1973 cult classic *Who Needs Donuts?* that was reprinted by Random House in 2003. Stamaty is the recipient of multiple awards, including two Gold Medals from the Society of Illustrators.

Gano Dunn Award for Engineering:

Steven Silberstang (CE'70) was recognized for his professional achievement as founder, chairman, president and CTO of Amarex Technology, Inc. Silberstang is a leader in the development of automated technologies including Cititran, a self-contained retail branch banking system; Citicorp's merchant credit card switch; Con Edison's RMCC, which reads usage data from various recording devices and prepares data for billing; the Brooklyn Union Gas meter shop automation; and automated call centers for major banks. Amarex developed "intelligent network" products and systems for call handling and media processing within the telephone network. These systems were used to automate facilities for national and international networks. Following the 1999 acquisition of Amarex by Comverse Technology, Silberstang served as president and CTO of the Voice Services Platform Division until his retirement.



Photos: Juliana Thomas

John Q. Hejduk Award for Architecture:

Carmi Bee (AR'67), FAIA was recognized for his professional achievement as a partner in the firm of RKT&B Architects and Urban Designers, and a professor emeritus of the City College of New York, School of Architecture, Urban Design and Landscape Architecture, where he taught for 37 years. Bee is a recipient of the City College of New York Alumni Association Distinguished Faculty Award. He has been committed to investigating the problems of urban building in all forms and scales in order to create environments that serve human needs, and to developing a sense of historic continuity while respecting physical and social contexts. His firm was recognized by the New York Chapter of the AIA with the Andrew J. Thomas Award for Housing Design. Bee has been actively involved in The Cooper Union Alumni Association for more than 30 years. He served as an Alumni Trustee on The Cooper Union Board of Trustees from 2002 to 2006, and is the recipient of the 1998 Presidential Citation. On July 1, 2007, he will become president of the CUAA.

Michael Kwartler (AR'65), FAIA was recognized for his professional achievement as the creator of The Environmental Simulation Center at the Milano School of Public Policy at The New School for Social Research in 1991. The Center provides construction professionals and architects with analyses that identify the effects of their plans on human and physical development in changing neighborhoods. Kwartler defines his 40-year professional practice as looking at "how cities happen." The Environmental Simulation Center now allows those involved in the creation of urban environments to do the same. The impact of Kwartler's work has been to balance the effect of both human and physical development in rapidly changing neighborhoods and to protect those most at-risk in urban environments. Kwartler is the recipient of the 1976 and 1982 Progressive Architecture Design Awards.

Young Alumnus of the Year:

Athena Caramichael DeNivo (CE'94/MCE'97), a project engineer with Mueser Rutledge Consulting Engineers in New York, has served on the Alumni Council for the past five years, as vice president/faculty liaison and as a member of the Nominating Committee and chair of the Faculty Committee. She has chaired and organized events that encourage young alumni to stay connected both socially and professionally, and has focused on opportunities to involve current students with the Alumni Association.

(l-r) President George Campbell Jr., Mark Alan Stamaty (A'69), Michael Kwartler (A'65), Athena DeNivo (CE'94/MCE'97), Roy DeCarava (A'40), Carmi Bee (AR'67), Steven Silberstang (CE'70), Ronald Drucker (CE'62), Don Toman (EE'55)

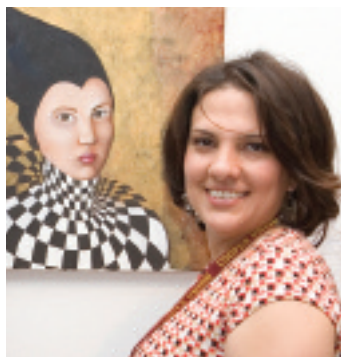
The Cooper Union Alumni Association encourages nominations for the 2008 awards to be submitted to alumni@cooper.edu.

Cooper Union Alumni Association announces 2007–08 Ballot Results



Carmi Bee (AR'67)

Juliana Thomas



Miriam Vidal (CE'93)

James Kendal



Janet Gardner (A'65)

Juliana Thomas

The Tellers Committee, chaired by Alfred Brand (CE'67), reported the results of the Cooper Union Alumni Association (CUAA) Ballot for the 2007–08 year announcing newly elected officers and members of the Alumni Council. Congratulations to all!

Executive Committee: The Executive Committee is responsible for conducting the affairs of the Alumni Association in accordance with policies established by the Alumni Council. Working in conjunction with the Office of Alumni Relations, the Executive Committee oversees the planning and implementation of alumni events, communications, volunteer recruitment, fundraising and general alumni outreach. Elections to the Executive Committee occur on an annual basis, and the term runs from July 1 to June 30. The president is limited to a two-year term.

President | Carmi Bee (AR'67)

Carmi Bee is a partner at RKT&B Architects and Urban Designers and is professor emeritus at the City College of New York, School of Architecture, Urban Design and Landscape Architecture, where he has taught for 37 years. His professional awards include the 2005 Lucy G. Moses Preservation Award and the 2004 Distinguished Faculty Award from the Alumni Association of the City College of New York. He completed a four-year term as Alumni Trustee on the Cooper Union Board of Trustees in 2006 and has served on the Cooper Union Alumni Association Executive Committee as secretary/treasurer and vice president membership, as a member of the Augustus Saint Gaudens and John Hejduk Award committees, the Nominating Committee and the Ad Hoc committee on housing. Bee is the recipient of the 1998 Presidential Citation and the 2007 John Hejduk Award.

Vice President/Alumni Activities | Miriam Vidal (CE'93)

Miriam Vidal is principal of A.E. Vidal LLC, specializing in technology consulting. She was formerly the computer systems manager for New York's Financial Information Services Agency and has held positions at Philip Morris USA and Keyspan Energy. Vidal has served on the Cooper Union Alumni Association Alumni Council and has been co-chair of the Events Committee as well as serving on the Art Auction & Casino Night committee. She was one of three alumni to receive the 2004 Young Alumni of the Year Award.

Vice President/Faculty & Student Liaison | Janet Gardner (A'65)

A journalist in the 1980s who covered post-war Vietnam, Janet Gardner founded The Gardner Group in 1990 to facilitate the production of documentaries and films about hidden history for educational television, schools, colleges and libraries. She is a veteran of NBC's *Today*, WNBC's *NewsCenter4*, WRC's *News4Washington*, Condé Naste publications and *The Cleveland Plain Dealer*. Her awards include a CINE Golden Eagle, a CINE Golden Eagle Special Jury Award, The Deadline Club Award, Telly Award and The Lowell Thomas Award, among others. Gardner has served on the Cooper Union Alumni Association Alumni Council and is a member of the Augustus Saint Gaudens Award Committee. She is currently producing a film about Peter Cooper.



John Leeper (AR'85)

Juliana Thomas



Marilyn Hoffner (A'48)

Juliana Thomas



Thomas Driscoll (ME'77)

photo courtesy Thomas Driscoll

Secretary/Treasurer | John Leeper (AR'85)

John Leeper is project executive/vice president with Bovis Lend Lease LMP, Inc. He is the project director on the World Trade Center Memorial Project currently under construction at the World Trade Center site. He has served on the Cooper Union Alumni Association Executive Committee as secretary/treasurer and is a member of the Annual Fund and John Hejduk Award committees.

Nominating Committee Chair | Marilyn Hoffner (A'48)

The retired director of development and alumni relations at The Cooper Union, Marilyn Hoffner was an award-winning art director of Latin American magazines and a guest art director of *Print* and *Graphis* magazines. Hoffner served as president of The Cooper Union Alumni Association and as vice president/membership. She is currently the chair of the Nominating Committee and serves as a member of the Constitution and Augustus Saint Gaudens Award committees. She is the recipient of the Alumnus of the Year Award and the Outstanding Service Award.

Alumni Trustee (to be nominated for Trusteeship at The Cooper Union Board of Trustees' December 2007 annual meeting)

Thomas Driscoll (ME'77)

Tom Driscoll is managing director and a senior analyst with Lehman Brothers. *The Institutional Investor* magazine's All-American Research Team survey awarded him First Team status four times since 1990 in the equity research analysts in oil and gas exploration category. Driscoll has served on The Cooper Union Alumni Association Alumni Council and is a regular participant in Phonathon.

Give to The Cooper Union: Get Income for Life

Charitable Gift Annuities

What is a charitable gift annuity?

A charitable gift annuity is a simple agreement between you and The Cooper Union. You make an irrevocable gift of cash or marketable securities to Cooper Union and, in return, Cooper Union will pay you (and/or another person you choose) a fixed annuity for life. The annual annuity rate is determined by the age of the annuitant(s) at the time payments begin. For example, current gift annuity rates range from 5.7 percent for an annuitant who is 60 years of age to 11.3 percent for an annuitant who is 90 or older.

Will the amount of payment change?

The amount of the annual annuity payment will not change over the lifetime of the annuitant(s), and the annuity payments are backed by the assets of Cooper Union.

What is the minimum contribution?

The minimum contribution required to establish a charitable gift annuity is \$10,000.

Is there an age requirement?

You must be at least 55 years of age when payments begin.

What are the benefits?

Some of the benefits of charitable gift annuities include:

- A fixed annual income at an excellent rate of return for yourself (and/or another person you choose) for life.
- Possibly increased annual income if your gift is funded with low-yielding assets.
- Some tax-free income as you receive annuity payments.
- An income tax deduction in the year you establish the gift annuity (for your gift to Cooper Union).
- Avoidance of a portion of the capital gains tax when you fund your gift with appreciated marketable securities.
- Possible estate tax savings later on.
- A meaningful gift to The Cooper Union.
- Membership in the Society of 1859

What if I don't need the income now?

There are immediate and deferred charitable gift annuities.* Under an immediate payment gift annuity, the annuitant starts receiving annuity payments in the year the gift is made. Under a deferred payment gift annuity, the annuitant will start receiving payments at a specified date in the future—chosen by the donor. Deferred payment gift annuities can be an attractive way for you to make a gift to Cooper Union now—and generate additional retirement income later on. Income accumulates during the deferral period, so the eventual income to be paid is assigned a higher than normal pay rate at the time the gift is made. Rather than the donor receiving payments immediately, they are deferred until a specific date in the future—as determined by the donor. This gives the principal time to grow, which will ultimately result in larger payments for most people.

To learn more about how a charitable gift annuity would work in your particular case, or to learn more about Cooper Union's overall planned giving program, please contact Michael Governor, assistant director of major gifts, at 212.353.4172 or send e-mail to govern@cooper.edu.

Alumni Council: The Alumni Council is responsible for supporting and implementing the goals of The Cooper Union Alumni Association. The objectives of the Council are to provide: service to alumni, service to the college, financial support of the college and recognition of alumni. Each of the 36 Alumni Council members serves a three-year term, helping to broaden the CUAA's outreach, developing special events and programming and increasing alumni volunteerism and support of the college. The following newly elected members, whose terms will run through June 30, 2010, will join those continuing on the Council.

Janet Froelich (A'68)	Anne Dudek Ronan
Harry Gaveras (AR'93)	(CE'83/MCE'84)
Paul Golden (AR'82)	Kenneth Stoller (CE'68)
Barbara Gordon (A'66)	Rebecca Uss (AR'90)
Michael Granat (ME'06)	
Mina Greenstein (A'56)	<i>Alternates</i>
Lawrence Hausman (EE'94)	Stephanie Reyer (A'95)
Mary Lynch (ChE'82)	Juri Boudnik (AR'97)
Joyce Robins (A'66)	

Nominating Committee: The Nominating Committee is responsible for identifying alumni who will steer the Alumni Association in years to come. The Committee is composed of the two most recent past presidents and 10 elected members. They are responsible for nominating the Executive Committee slate for 2008–09. *If you wish to volunteer or recommend alumni to be considered for Alumni Council membership or another elected position within the CUAA, please forward your nominations to alumni@cooper.edu for the Nominating Committee to consider.*

Chair

Marilyn Hoffner (A'48)

Alternates

Harry Gaveras (AR'93)

Recent Past Presidents

Donald Toman (EE'55)

David Gersten (AR'91)

Carl Selinger (CE'67)

Kathryn McGraw

Berry (AR'80)

Don Blauweiss (A'61)

Michael Borkowsky (ME'61)

Frank Dahl (ME'00)

Mark Epstein (A'76)

Al Greenberg (A'48)

Peter Lynch (AR'84)

Robert Marano (EE'93)

Juan Permuy (EE'70)

Gift Annuity Rates

Age	Rate of Return
60	5.7%
65	6.0%
70	6.5%
75	7.1%
80	8.0%
85	9.5%
90+	11.3%

*Special rates apply for two-lives and deferred annuities.



What a year for Phonathon! The enthusiasm of more than 120 volunteers comprised of alumni, parents, students, administrators and faculty made this year's Phonathon a great success, raising \$411,963 in cash and pledges. This is the largest amount raised in the 30-plus years that Cooper Union has held the event.

The chairpeople of this year's Phonathon brought tremendous energy to their work. Chairmen Ron Weinstein and John Huddy set the tone on the first two nights respectively by providing experience and knowledge of the Phonathon's importance. Wednesday was chaired by the saavy long-term volunteer caller Howard Lampert. Thursday's parents night was led by parent and co-chair of the Parents Council Cathy Zimmerman. The final night ended with a bang. Monday, March 19th, led by co-chairs Guy Mascioli, parent of Christopher (E'09), and first time student chair Clair Wholean (AR'07), brought in \$151,998.

This diverse group of leaders and dynamic volunteers made our record-breaking year possible. Whole-hearted thanks go out to all of our volunteers.

Clockwise:

Seasoned Phonathon caller Peter Adler (A'54) reached out to fellow classmates.

For the Argens, Phonathon was a family affair. (above, right) Kimberly Argen (Eng'07) and her parents, Lenore and Robert, called donors on behalf of The Cooper Union Annual Fund.

Annual Fund chairman Yash Risbud (EE'92/MEE'94) and experienced nightly chair Ron Weinstein (CE'67) discussed a call with Rick Box, parent of Amelia Montilor Box (AR'10).

Thanks to our volunteers!

- | | |
|-------------------------------|----------------------------------|
| Peter Aaron (AR'74) | John Huddy (AR'85) |
| Kemi Adeyeba (Eng'10) | Diana Hutchinson, staff |
| Peter Adler (A'54) | Kim Hyeji (AR'10) |
| Mary Ann Nichols (A'68) | Fred Isoldi, parent |
| Lenore Argen, parent | Joel Kazin (Phy'67) |
| Kimberly Argen (Eng'07) | Timur Kolchinskiy (Eng'09) |
| Bob Argen, parent | Terence Lam (EE'96) |
| Dr. Arthur Kramer (ME'61) | Howard Lampert (ME'66) |
| Bridget Atkinson, parent | John Leeper (AR'85) |
| Maria Avegno, parent | Janet Levy (A'64) |
| Joel Azerrad (A'53) | Joe Lim (EE'05) |
| Grace Baird (CE'08) | Andre Luboff (CE'75) |
| Salome Balderrama (AR'11) | Maria Makrinos, parent |
| Himel Barua (ME'01) | Erica Mapp (A'74) |
| Wendy Baum, staff | Rob Marano (EE'93) |
| Don Blauweiss (A'61) | Jean Marcellino (A'60) |
| Tayin Bobby Chen (AR'01) | Guy Mascioli, parent |
| Eline Boghaert (ChE'08) | Pat Mascioli, parent |
| Michael Borkowsky (ME'61) | Christopher Mascioli (Eng'09) |
| Rick Box, parent | Lillian Minton, staff |
| Victoria Carra, parent | James Monroe (Eng'09) |
| Charlie Cassella (EE'68) | Deepti Mutnuru (Eng'10) |
| Rohith Chandrasekar (Eng'10) | Geraldine Nathan, parent |
| Sanjoy Chatterjee (EE'95) | Steve Noll (Eng'10) |
| David Chenkin, staff | Mark Paquiz (CE'01/MCE'04) |
| Susan Cohen (A'66) | Alena Petersen, parent |
| Burt Dallas (CE'95/MCE'97) | Jocelyne Pierre, parent |
| Sanford Dickert, faculty | Gary R. Kazin (ChE'69) |
| John DiNicola (EE'77) | Jolene Resnick, staff |
| Gerard Durney, parent | Julianne Rhoads (Eng'08) |
| Dale Emmart (A'75) | Yash Risbud (EE'92/MEE'94) |
| Mark Epstein (A'76) | Tyrone Rodriguez (EE'76) |
| John Falls, staff | Rudy Sabatino (AR'62) |
| Xiao En Fang (EE'01) | Greg Sabatino |
| Don Feder, parent | Christine Sarkissian, staff |
| Aileen Fedullo, parent | Carl Selinger (CE'67) |
| Lulu Feldhamer (Eng'10) | Eileen So (Eng'07) |
| Yvette Francis (A'93) | Rachel Sophrin (A'06) |
| Constance Ftera (A'53) | Betty Standish, parent |
| Christopher Gallo (A'82) | Marlene Streisinger, parent |
| David Garner (A'80) | Robert Thill, staff |
| Alison Gelbman, parent | Don Toman (EE'55) |
| Paul Golden (AR'82) | Gloria Tso (A'75) |
| Michael Governor, staff | Mark Turits (A'80) |
| Michael Granat (ME'06) | Barry Verstaendig (CE'03/MCE'06) |
| Murray Greenberg (ME'49) | Sanjeevane Vidwans (CE'98) |
| Pearl Greenberg (A'48) | Ron Weinstein (CE'67) |
| Mina Greenstein (A'56) | Robert Weisberg (A'57) |
| Sonia Guwalani (Eng'07) | Clair Wholean (AR'08) |
| Katherine Hill parent (AR'00) | Eliza Winston (A'09) |
| Steven Hillyer (AR'90), staff | Andrew M. Wong (ME'87) |
| Betty Hintz, parent | Cathy Zimmerman, parent |
| Ian Hochstead (BSE'94) | George Zulick, parent |
| Susana Honig (AR'80) | |



Regional Alumni Events

Luncheon for Washington, D.C. Alumni

Alumni and guests from the Washington, D.C. area gathered at the historic Old Ebbitt Grill on November 2, 2006. Among them were new Alumni Trustee Ed Feiner (AR'69) and his wife Fran, and President's Council member Joel Alper (CE'58). CUAA president Don Toman (EE'55) extended greetings and encouraged alumni to find regular opportunities to get together. Guest speaker President George Campbell Jr. spoke about how the new academic building will transform the college. He encouraged alumni to support the Building Campaign by having their names inscribed on the Alumni Roof Terrace.

Art Basel Miami Beach Alumni Lunch and Tour

For the second year in a row, the Florida Chapter of The Cooper Union Alumni Association hosted alumni at Talula Restaurant in conjunction with Art Basel Miami Beach. On December 9, 2006, chairman of the Board of Trustees Ron Drucker (CE'62) extended greetings and spoke about the exciting new directions in which Cooper Union is headed. Guest speaker Saskia Bos, dean of the School of Art, talked about contemporary art and reviewed highlights of Art Basel Miami Beach, focusing on the works of participating alumni. Following the luncheon, Dean Bos, alumni and their guests toured the art show at the Miami Convention Center.

West Coast Florida Alumni Luncheon and Graphicstudio Tour

Stanley Goldstein (EE'51), Amy Nowacki (AR'95) and Vincent Sorrentino (A'61), along with the Florida Chapter of the Alumni Association, hosted West Coast Florida area alumni at a luncheon at Embassy Suites in Tampa on January 27, 2007. Guest speaker Margaret Miller, director of Graphicstudio and the Contemporary Art Museum at the University of South Florida, spoke about this university-based atelier and its commitment to research and application of traditional and new techniques for the production of limited edition prints and sculpture. Deli Sacilotto, consultant for technical research to Graphicstudio and former professor at Cooper Union, walked alumni and guests through the facility and presented a demonstration of the photogravure process.



Dean of the Irwin S. Chanin School of Architecture, Anthony Vidler describes trends in architecture and how they have spurred developments within the school.

Florida Founder's Day Luncheon

Alumni and guests celebrated Peter Cooper's 216th birthday and the 148th anniversary of Cooper Union at the Lauderdale Yacht Club on February 11, 2007. Hosted by the chairman of the Board of Trustees, Ron Drucker (CE'62), with the Florida Chapter of The Cooper Union Alumni Association, alumni were joined by Marilyn Hoffner (A'48) and Al Greenberg (A'48) and annual fund manager Carrie Marsh. Guest speaker Anthony Vidler, dean of the Irwin S. Chanin School of Architecture, offered both information and inspiration as he spoke of the school's varied new initiatives. As part of the festivities, Dr. Drucker inducted Susan (CE'62) and Benjamin Eisenberg (ChE'61) and Elinor and Leonard Goldman (ME'46) into the Abram S. Hewitt Society in recognition of their loyalty and significant lifetime giving to the college.



Chairman of the Board Dr. Ronald Drucker (CE'62) celebrates the induction of Susan (EE'62) and Benjamin (ChE'61) Eisenberg (left) and Elinor and Leonard Goldman (ME'46) (right) to The Abraham S. Hewitt Society.



West Coast Florida alumni observe the printing process at Graphicstudio during a tour with Deli Sacilotto.

NYC Alumni Events

The Culinary Institute of America Alumni Luncheon

Twenty-nine alumni and guests gathered for lunch at the Escoffier Restaurant at the Culinary Institute of America in Hyde Park, NY on December 9, 2006. Alumni from the Albany, NY area joined members of the Cooper Union Alumni Council for this delightful event. Following the luncheon, Marilyn Hoffner (A'48) and Al Greenberg (A'48) hosted the attendees at their home.

CU@Wollman Rink

Central Park

Cooper Union alumni, students and friends gathered at Wollman Rink on January 26, 2007 to ice skate, mingle and enjoy hot chocolate. Steven Demetropoulos (CE'01), Jae Eun Kim (CE'06) and Dennis Pietrocola (CE'05) organized this fun-filled event. Among the attendees who braved the nine degree weather were Sari Eskildsen (EE'92), Robert Smodlaka (CE'93), Rachel Vine (A'93) and Jason Brown (BSE'03).

Alumni Faculty and Staff Luncheon

The Great Hall Gallery

The Faculty Committee of the Cooper Union Alumni Association hosted its annual luncheon to honor alumni on the faculty and staff of Cooper Union on February 6, 2007. Forty-four alumni, council members and alumni relations staff enjoyed lunch and heard from president Don Toman about Association activities.

Alex Katz Paints Ada

The Jewish Museum

For almost 50 years, Alex Katz (A'49) has painted portraits of his wife, Ada. These portraits raise fascinating questions, piquing us with how much they reveal and how much they conceal about their subject. Katz offered a personal perspective to nearly 80 alumni, staff and friends in an exclusive walkthrough of the Alex Katz Paints Ada exhibit on March 5, 2007 at the Jewish Museum.

From the exhibition at The Jewish Museum, "Alex Katz Paints Ada." *Ada and Alex*, 1980, oil on linen. Collection of Joan and Alan Safir. Art © Alex Katz/Licensed by VAGA, New York, NY.

Wreath Laying Ceremony 2007

Peter Cooper Park

The annual Wreath Laying Ceremony in Peter Cooper Park brought together Cooper Union alumni, students, faculty and staff on February 13, 2007 to honor Peter Cooper's 216th birthday and celebrate the 148th anniversary of The Cooper Union. As always, the event centered on the laying of a ceremonial wreath at the statue of Peter Cooper by Alumni Association president Don Toman (EE'55), Cooper Union President George Campbell Jr. and chairman of the Board of Trustees Ron Drucker (CE'62). Guests joined soloist Julia Drake (CE'06) in singing the school song, "Maroon and Gold". The Cooper Union Step Team, led by Ben Landrum (Eng'07), entertained the attentive crowd. All were invited to enjoy birthday cake, hot cider and respite from the cold in the Foundation Building lobby.



photos: Juliana Thomas

The wreath is placed annually on the Peter Cooper statue in Peter Cooper Park.

Peter Cooper's 216th birthday cake was offered at the Wreath Laying Ceremony.



Cooper Products

To purchase these items, visit www.cualumni.com and click on "shop"



Adult Apparel

Columbia Fleece Jacket	\$45
Full front zip, side zip pockets, charcoal with burgundy Cooper Union embroidered on right sleeve. S, M, L, XL	
Cooper Union Cap	\$22
Cotton/spandex, one size. Maroon with gold or gold with maroon Cooper Union embroidery.	
Champion Hooded CU Sweatshirt	\$40
Poly/cotton, full front zip, athletic grey. Side pockets, gold/maroon Cooper Union collegiate style imprint left front chest. S, M, L, XL	
Tri-Foundation Building T-shirt	\$15
100% cotton, black or white with reverse B/W color imprint. S, M, L, XL, 2XL (\$20)	
Classic T-shirt	\$15
100% cotton, grey with maroon "The Cooper Union." S, M, L, XL	

Toddler Wear

"I Love Cooper Union" T-shirt	\$12
100% cotton short sleeve, Milton Glaser (A'51) logo. 2T, 3T, 4T	
"I Love Cooper Union" Romper	\$12
100% cotton, Milton Glaser (A'51) logo. 6-9 months, 12 and 18 months	

Cooper Products

I Love Cooper Union Mug	\$10
Ceramic coffee mug in white, Milton Glaser (A'51) design.	
Tri-Foundation Building Tote Bag	\$25
100% cotton canvas tote, black handles, full zipped top closure, front pocket.	
Wind-Proof Golf Umbrella	\$30
Double vented wind-proof burgundy umbrella, tri-Foundation Building imprint.	

New Product

Cooper Union Duffel Bag	\$20
Solid black cotton canvas duffel bag with tri-Foundation Building imprint. Silver/grey contrast trim. Full zip top closure, front bottle pocket, sure grip handles, shoulder strap. 18"w x 12"h x 8" fully opened. Lightweight, washable.	

Peter Cooper Jewelry

Peter Cooper jewelry, made with the Peter Cooper seal, is produced by Marilyn Hoffner (A'48), who donates a portion of each sale to the Annual Fund. Jewelry gift bags included with purchase.

Sterling Silver Jewelry

Class year slip-on wrist bracelet	\$ 60
<i>Sterling charms note year of graduation.</i>	
Cuff links	\$ 60
Square seal slip-on bracelet	\$ 60
Tie or lapel stick pin	\$ 40
Pendant necklace (Leather or sterling link chain)	\$ 50
Key chain	\$ 50

Rings

*Sterling silver or solid gold,
custom sized upon order.*

Solid silver band men's or ladies Peter Cooper ring	\$ 90
Filigree silver band Peter Cooper ring	\$ 75
14K gold Peter Cooper ring	\$ 275
14K w 18K raised gold letters	\$300



Pioneer Profiles

J. Abbott Miller (A'85)

J. Abbott Miller (A'85) is an award-winning designer, writer, curator and educator, whose projects engage viewers in thinking about and understanding the cultural role of design. Miller and his wife, Ellen Lupton (A'85), were honored in 1995 as the first recipients of the prestigious Chrysler Design Awards. Miller has been a partner at Pentagram in New York since 1999. He is also the editor and designer of the award-winning visual and performing arts journal *twice*. Before joining Pentagram, Miller was co-chair of the graphic design department at the Maryland Institute College of Art where he remains a faculty member.

Miller was also the director of Design/Writing/Research, a multidisciplinary studio, which became noted for its exhibitions, installations and projects focusing on mass culture. The studio pioneered the concept of “designer as author,” publishing books as projects in which content and form evolved and developed into what the studio called a symbiotic relationship. Design/Writing/Research encapsulated the process of design synthesizing and morphing mass culture elements.

Miller began teaching the concepts and craft of graphic design soon after graduating from The Cooper Union. By 1988 he was teaching the required survey course, History of Graphic Design, at Parsons School of Design/The New School. He has been a project tutor at the Fabbrica Workshop in Treviso, Italy and taught for three years as a project tutor for the Jan Ven Eyck Academie in Maastricht, Holland. Miller was a visiting artist at Yale University’s Graduate Program in Design from 1994–1997.

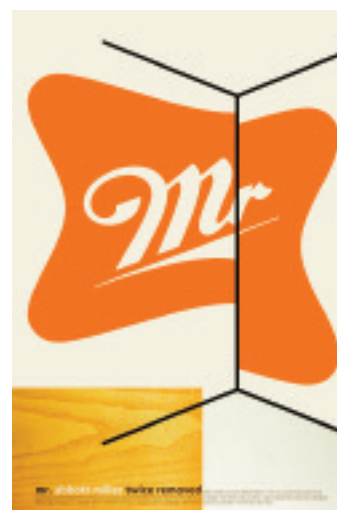
Miller is the author of numerous articles and books, including *The Process of Elimination: The Bathroom, the Kitchen and the Aesthetics of Waste* and *The ABC’s of the Bauhaus*, both done in collaboration with Lupton, and *Printed Letters: The Natural History of Typography*. Miller has designed the graphic identities for the Whitney Museum of American Art, the Dallas Museum of Art, Mohawk Paper Mills, Seattle Art Museum and the Noguchi Museum. Some of his recent projects include exhibition catalogues for the Guggenheim, the Whitney Museum of American Art and the new Harley-Davidson Museum in Milwaukee, WI.

Most recently, Miller has taken on the exciting new assignment of creating the graphic identity for The Cooper Union’s new academic building. In collaboration with Thom Mayne, he designed the dramatic Donor Walk to honor major contributors to the building and the graphic scheme for the Alumni Roof Terrace, where Cooper Union alumni can have their names engraved for posterity.

He has been the recipient of many awards, including awards for his magazine *twice*, which was named Magazine of the Year by the Society of Publication Designers (SPD) and for *Dance Ink*, which received a gold medal from the SPD and was also nominated twice for a National Magazine Award. Miller is a recipient of the International Center of Photography Infinity Award for his use of photography in design. A book about his work, *Open Book: Design and Content*, is being published by Princeton Architecture Press.

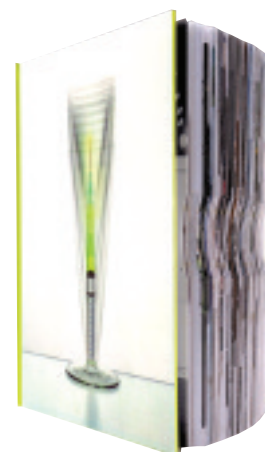


Richard Bachmann



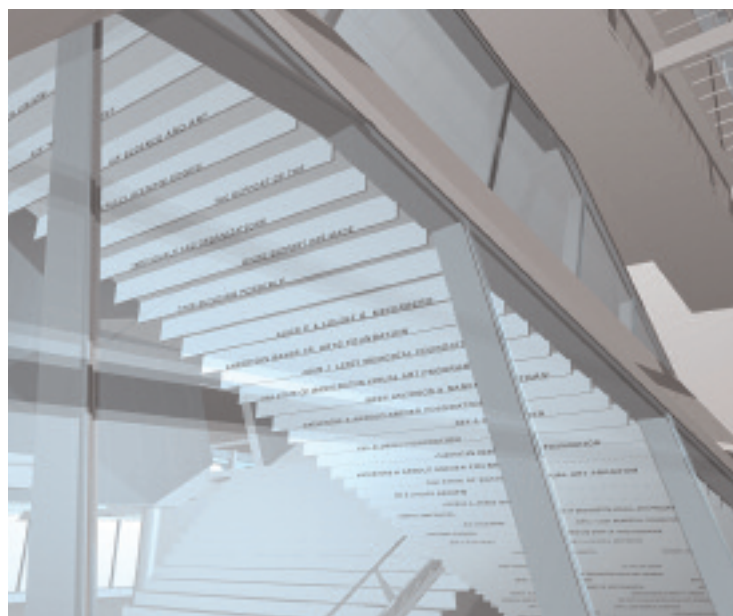
Above: Geoffrey Beene: A Design Tribute. Client: Twice Arts Foundation.

Below: The Couch: Thinking in Repose. Client: The Sigmund Freud Museum, Vienna.



Phillip Prohak

Each donor to the new academic building fund will be recognized with unique signage designed by J. Abbott Miller (A'85) for the Donor Walk.



Above, top to bottom:

The Isamu Noguchi Foundation & Garden Museum.

Mr. Abbott Miller Twice Removed. Client: AIGA.

Scanning: The Aberrant Architectures of Diller + Scofidio. Client: Whitney Museum of American Art.

Right: Maryland Institute College of Art.



Harold Hesselson (AR'35)



Harold Hesselson (AR'35) lives a life guided by love of country and his fellows—an unsung hero. Hesselson is not unique in his patriotism and sense of gratitude, but his civilian contribution to the Navy was particularly notable for its life-saving effects. Upon graduating from The Cooper Union, Hesselson began work at the Piccatiny Arsenal in New Jersey, as an engineering draftsman on Naval projects. Hesselson applied for and finally received a transfer to the U.S. Naval shipyards in Brooklyn. He was appointed associate marine engineer and worked with Navy Yard crews reviewing blueprints of badly damaged warships returning from Pearl Harbor. Hesselson looked for a way to develop a faster, more efficient means to bring together all the many complicated calculations needed by Navy shipyard crews.

By 1941, Hesselson developed a prototype for the first slide rule ever used by the Navy. His slide rule gave Navy shipyard crews "...a rapid method for securing pertinent standardized dimensions of high pressure steam and feed fittings, valves and flanges." By 1942 the Navy shipyard crews had totally revised their repair schedules through the use of Hesselson's invention. Senior naval command requested 100 slide rules be produced as quickly as possible, a feat Hesselson managed by handcrafting his ingenious tool, after regular work hours, in the Navy Yard machine shop. Rear Admiral F.E. Haeberle noted in his 1946 commendation and award to Hesselson that the slide rule "...greatly simplified the arduous and time consuming task of referring to multiple booklets, charts, handbooks and data sheets, to repair Navy fleets." Hesselson was further recognized for his initiative, interest and ingenuity in developing a tool that saved the Navy time, money and the lives of sailors sent out to defend their country.

Hesselson joined Celanese & Nabisco in New York as a senior piping designer at the end of the war. His naval experience had set him on a singular path of becoming one of the nation's premier piping designers. Hesselson joined Scientific Design in 1954, a subsidiary of Halcon. As the company's senior piping designer, Hesselson guided Scientific Design's creation of their client's machine manufacturing layout plans involving the transportation of viscous liquid, air and water. Upon retirement in 1978, Hesselson was invited to teach at the American Council for Émigrés in the Professions in New York City.

At 94 and a widower, Hesselson lives in New York City, surrounded by his loving family and the memories of his extraordinary professional contributions to his country, a true Cooper Union pioneer.



Richard Bachmann

Above: **2twice 9:1: Cunningham & Rauschenberg.**
Client: **2twice Arts Foundation.**

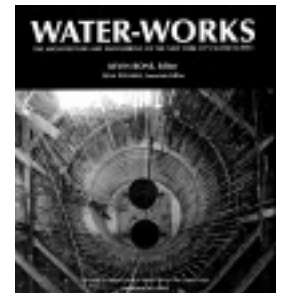
Below: **100th Anniversary Open Road Tour.** Client: **Harley Davidson Motor Co.**



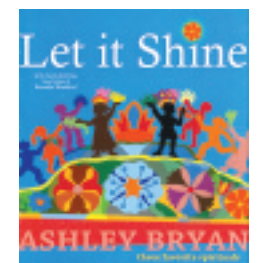
Timothy Hursley



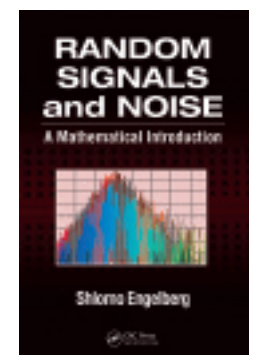
Published Pioneers



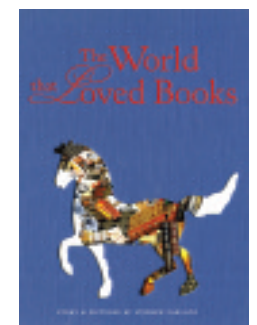
Water-Works: The Architecture and Engineering of the New York City Water Supply
Monacelli Press
Gina Pollara (AR'90) and
Kevin Bone (Arch. fac.)



Let it Shine: Three Favorite Spirituals
www.portinastormbookstore.com
Ashley Bryant (A'48)



Random Signals and Noise: A Mathematical Introduction
CRC Press
Shlomo Engelberg
(EE'88/MEE'90)



The World That Loved Books
Simply Read Books
Stephen Parlato (A'76)

Juliana Thomas



Births

Barry Negrin (ME'89) and his wife, Rabbi Molly Cantor, are the parents of a second daughter, Leni Cantor Negrin, born in August 2006.

Tyler Michael DeNivo was born on January 25, 2007 at 10 lbs 9 oz. and 21.5 inches to **Athena Caramichael DeNivo** (CE'94/MCE'97) and Joseph DeNivo.



Tyler

Raymond Mark (AR'00), his wife January and their son Jack welcomed a new family member, Sofia Cali Mark, in February 2007.



Maioica

New parents **Tamar Zinguer** (AR'89/Arch. fac.) and Sylvester Wojtkowski welcomed Maiolica (7 lbs. 13 oz.) into their family on June 14th, 2007.

20s, 30s

Anthony DeBiase (CE'34) celebrated his 66th wedding anniversary with his wife Anne in November 2006. The life and art of the late artist **Hilda Grossman Morris** (A'36) were profiled in the March issue of *Art in America*.

40s

Sid Deutsch (EE'41) published *Einstein's Greatest Mistake, Abandonment of the Aether*. **Mort Epstein** (A'41), award-winning graphic designer, notes that classmate **JeanYee Wong Lew** (A'41) continues producing extraordinary



Harold Goldberg (EE'44), winner of the NAE's Gordon Prize.

calligraphy at age 86. **Harold Goldberg** (EE'44) was awarded the 2007 Gordon Prize by the National Academy of Engineering (NAE). The award recognizes innovation in engineering and technology education. Goldberg donated his \$100,000 prize to Cooper Union. **Ashley Bryan** (A'46) was profiled in the October 8, 2006 issue of *Sun Journal* regarding his global storytelling. He is the recipient of the Arbutnot Prize given in recognition of lifetime achievement in children's literature, the author of prize-winning children's books and the subject of two documentaries. **Seymour Schwartz** (AR'47) was honored in July 2006 by borough president of Queens Helen Marshall. The borough president issued a proclamation declaring Seymour Schwartz Day in recognition of his civic service as president of the Briarwood Community Association, vice chair of the New York City Community Board 8Q and secretary of the Queens Civic Congress. **William King** (A'48) and his fall 2006 exhibition at Alexandre Gallery in New York City were profiled in the December 21, 2006 issue of *The New York Sun*. **Victor DeNigris** (AR'49) is a helicopter expert as well as an architect. DeNigris notes he has "discovered that the aerodynamics of tropical storms are similar to helicopters," and is studying ways to steer away or disperse hurricanes and tornadoes. **Winnie Fitch** (A'49) and John Houston, husband and co-creator of Hedgerow Studio, announce the 2007 audio release of *My Friend Nessie*, which can be downloaded from Audible.com. Hedgerow Studio explains environmental issues to children via storybooks and audio CDs, which are available online at Amazon.com. **Stan Kaplan** (A'49)



Alex Katz (A'49) and Trustee **Mike Borkowsky** (ME'61) at an exclusive walkthrough of the "Alex Katz Paints Ada" exhibit at The Jewish Museum.

had a one-person show of oil paintings at the Old Print Shop in New York City, May 7, 2007. Trustee Emeritus **Alex Katz** (A'49) exhibited 40 paintings of his wife Ada in a show titled *Alex Katz Paints Ada*. The paintings, dating from 1957–2005, were shown at the Jewish Museum October 27–March 18, 2007. Estelle Perry, widow of **Norman Perry** (ChE'49), is president of the Center for U.N. Reform Education and has been active in U.N. issues and reform for more than 20 years. For further information on the Center please visit www.centerforunreform.org.

50s

Seymour Chwast (A'51) illustrated an article on post-nuptial agreements published in *The Wall Street Journal* on February 24–25, 2007. Trustee Emeritus **Milton Glaser** (A'51) was the keynote speaker for the AIA New York Chapter Design Awards Luncheon. **Joan Bonagura** (A'52) published an essay in *Outcry, American Voices of Conscience Post 9/11*. Bonagura's poetry was included in the anthology *Learning Later, Living Greater*. She is a member of a peer learning group, coordinates art tours and is the production editor for *Q Review*. She can be contacted at www.questionline.org. **Charles Heidengren** (CE'52) reports from Thailand that he completed his autobiography in 2006. Heidengren has been the editor-in-chief of the Society of Professional Engineers *Thailand Journal* since 1996 and a fellow of the ASCE, whose journal has published his civil engineering articles since 1985. Reach Heidengren at: yves_labrecque@mail2world.com. **Marilyn Henrion's** (A'52) silk hand-quilted

artworks were exhibited at Noho Gallery in New York City, September 26–October 14, 2006. **R.B. Kitaj's** (A'53) exhibition of paintings at the Marlborough Fine Art gallery in London was reviewed in the March 2007 issue of *ARTnews*. Diller Scofidio + Renfro (**Ric Scofidio** [AR'55] and Elizabeth Diller [AR'79]) is one of the recipients of the AIA New York Chapter 2007 Honor Award. The award was given for their design of the Institute of Contemporary Art (ICA), Boston, MA. The ICA project was featured in the September 2006 issue of *Metropolis Observed*; project team members Mariya Panteleyeva (AR'05) and Gerri Davis (AR'03) were also mentioned. **Paul Zelanski** (A'55) is professor emeritus of art at the University of Connecticut. Zelanski taught the first color class, the first graphic design class and started the graphics program for the college in the 1980s. His art has been on exhibition worldwide, including in Poland, Amsterdam and throughout the United States. His many awards include being named a fellow of the Accademia Italia, a Getty Lecturer and a MacDowell Colonist. His works are in collections worldwide, including at the Academy of Fine Arts, Krakow, Poland; the Calmann & King Collection in London; and throughout the United States. He is the author of the classic design publications *Design Principles and Problems, Shaping Space, The Art of Seeing* (6th edition) and *Color* (4th edition). **Marjorie Auerbach** (A'56) exhibited recent paintings at the Blue Mountain Gallery in New York City October 3–28, 2006. **Mel Leipzig** (A'56) exhibited recent paintings of faculty, staff and students at Mercer County Community College, where he has taught for more than 30 years. The exhibition ran from February 24–April 7, 2007. He received the first Distinguished Teacher Award at Mercer in 1980 and received one of the last NEA grants awarded for individual painters. **Joel Alper** (CE'58), member of the President's Council, is enjoying golf and the grandkids since retiring in 2003. He and his family winter in Bonita Springs, FL, and spend the rest of the year in Maryland.

In Memoriam

We are saddened to note the passing of **Howard Title** (A'56), husband of artist **Dorrit (Bauer) Title** (A'56) and father of graphic artist **Karin Title** (A'87). Howard was an award-winning art director at many top advertising agencies. He retired in 1996 from **Waring & LaRosa** where he had spent more than 25 years.

60s

The Los Angeles Public Library is honoring the late **Fred Marcellino** (A'60) with "Dancing by the Light of the Moon: The Art of Fred Marcellino," through July 29th. **Jerome Witkin** (A'60) was profiled in the March 2007 issue of *Art in America*. Witkin's paintings have been exhibited nationally at galleries including Jack Rutberg Fine Arts in Los Angeles and the ACA Galleries, New York, April 22–May 27, 2006. The latter exhibition coincided with the publication of Sherry Chayat's second expanded edition of *Jerome Witkin: Life Lessons*. **Harold Brown** (CE'62) is the author of *Conceptual Systems*, his fourth book, published by Routledge. **Tony Canger** (A'64) exhibited recent works at the Liberty Museum & Arts Center in Liberty, NY, October 25–November 25, 2006. **Barbara Grossman** (A'65) exhibited paintings, oil pastels and monotypes at the Bowery Gallery, New York, January 2–27, 2007. She also exhibited paintings at the Mark Potter Gallery at the Taft School in Waterbury, CT, October 13–November 17, 2006. **Alan Feltus** (A'66) exhibited recent paintings at Gallery Camino Real in Boca Raton, FL, February 1–24, 2007. His wife, painter Lani Irwin, joined him in simultaneous one-person exhibitions of their paintings at the Boulder Museum of Contemporary Art, CO, from June 1–September 1, 2007. **Carmi Bee** (AR'67), former Alumni Trustee and incoming president of the Cooper Union Alumni Association, was a speaker at the AIA New York Chapter forum Smart Housing: An Infill Prototype, held January 10, 2006. He was joined by forum panelist and co-recipient of the 2007 Augustus Saint Gaudens



Michael Kwartler (AR'65)

Award, **Michael Kwartler** (AR'65). **François deMenil** (AR'87), a Cooper Union trustee, gifted the Cooper Union Library with an extraordinary collection of antique art books and folios, including works on Rembrandt, Dürer and Michaelangelo. **Michael Doret** (A'67), president, Michael Doret design firm in California, joined panelists discussing Letter as Image, presented by the Museum of American Illustration in Cooper Union's Great Hall on January 3, 2007. The forum coincided with an exhibition at the Society of Illustrators in New York, January 3–27, 2007. **Albert Piesco** (ME'67) was named a 2007 Lockheed Martin Fellow. **Daria Dorosh** (A'68) exhibited paintings at A.I.R. Gallery in New York City, February 6–March 3, 2007. **Janet Froelich** (A'68) is the creative director of *The New York Times Magazine*. She was honored by and inducted into the 2006 Art Directors Club Hall of Fame. The dinner and coinciding exhibition took place October 12, 2006 at the Art Directors Club, New York City. **Carl Stein** (AR'68) and **Bruce Nelligan** (AR'80) of Stein White Nelligan LLC, won a BAC Craft Award for Best Terra Cotta Project. Given by the Bricklayers and Allied Craftworkers, the award was for the firm's addition of residence halls designed in continuity with the elaborate architectural style of the 36-acre campus of City College of New York. **Gwenn Thomas** (A'68) photographs, exhibited at Yvon Lambert gallery, were reviewed in the November 2006 issue of *Art in America*. Alumni Trustee **Ed Feiner** (AR'69) was mentioned in the feature article "In Between Stations," in the June 7, 2006 issue of *The Architect's Newspaper* and in "At

the Borders, Creative Crossings," in the July 29, 2006 issue of *The Washington Post*.

70s

Howard Friedland (AR'70) exhibited paintings at Highlands Art gallery in Chester, NJ during the summer of 2006. **Daniel Libeskind** (AR'70) was honored by the Israel Building Center Group at the Wohl Center of Bar-Ilan University on November 23, 2006. Libeskind's expansion for the Denver Art Museum opened on October 7, 2006 and was profiled in "If You Build It Will They Come?" in *The New York Times* and in "A Work of Art, for Art's Sake," in the *Rocky Mountain News*. He was featured in "Celebrity Architects Unveil Designs for Three WTC Office Towers," on Bloomberg.com and in "A Meeting of Minds on New York Skyline," in *The Guardian* online. Libeskind's ideas are featured in "A Reflection on Cities of the Future," in the September 28, 2006 issue of *Energy Bulletin*. **Willy Sclarsic's** (AR'71) essay "Love and the Machine," was featured in *ArchitectureBoston*, May 2006. **Dr. Harvey Lyons** (ME'62/MME'71) is an associate professor of mechanical engineering technology at Eastern Michigan University. He presented a paper, "The Future Practice of Engineering," at the 2006 ASEE Conference. Former CUAA president **Jacob Aspector** (AR'72) and **Samuel Anderson** (AR'82) were co-recipients of the spring 2006 AIA New York Chapter Interiors Merit Award for work on the MoMA Conservation Department. In January 2007 AspectorArchitect completed an underground gymnasium and playground for the landmark Grace Church School on Broadway and 10th Street in New York, and won a design build competition for a new library at Utah Valley State College in Orem, UT. Groundbreaking for the \$40 million dollar project is due to be completed in fall 2008. **Pamela Benham** (A'72) exhibited new paintings at Neuvie Gallery in California. **Randall Korman** (AR'72) is associate dean and coordinator of the Syracuse School of Architecture's study abroad

programs. Korman launched a new studio-based program at the Syracuse University London Program in Bloomsbury in spring 2007, modeled on their successful SU Florence (Italy) program. **Alan Singer** (A'72) participated in the 2006 Everson Biennial at the Everson Museum of Art in Syracuse, NY. His work can be viewed at www.singerarts.com. He participated in *meta/morph*, an exhibition of paintings, prints and dimensional works at the Gallery at Bausch & Lomb headquarters, Rochester, NY, September 15–November 17, 2006. **Crystal McKenzie-Jones** (A'73), president/CEO of Crystal McKenzie, Inc., and her firm designed the exhibition for Black Style Now at the Museum of the City of New York, which ran from September 2006–February 2007. **Mitch Epstein** (A'76) is documenting the ramifications of America's use of energy through collections of photographs. The first in a series of exhibitions was titled American Power and was shown March 10–April 7, 2007 at Sikkema Jenkins & Co. in New York. He exhibited photographs in the International Center of Photography show Ecotopia held during January 2007. He also had a book signing at Strand Bookstore in New York for *WORK*, his latest publication. President's Council member **Alexander Gorlin** (AR'78) contributed to reviews of participants in the Venice Biennale: National Pavillions in the November issue of *Architectural Record*. He is profiled in the September 2006 *Architectural Digest* list of AD100 Architects. **Diane Lewis** (AR'76) was the curator of the AIA 150th anniversary exhibition NY150+: A Timeline, Ideas, Civic Institutions, and Futures, charting the history and transformation of the city and the AIA, held at the AIA New York Chapter's headquarters, April 9–June 23, 2007. Her firm, Diane Lewis Architects, participated in the History Channel competition to envision "the City of the Future," redesigning New York City in what Lewis called a "post-philanthropic New York." **Toshiko Mori's** (AR'76) design of a guest house is noted in "Sarasota Modernism and Its Origins," *Newsletter of the Society of Architectural Historians*, June 2006. Her design for Poe Cottage

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was featured in "Of Roof Lines and Ravens," in *The New York Times*, June 26, 2006. Among other mentions: her design of two houses in Florida in "Building as Art," in the *Herald Tribune*; "Aalto's Reading Room Renovation Draws Fire, Debate," eOculus; and the *Record News* column "Controversy over Plans to Renovate Aalto Interior," in *Architecture Record* (see Ban [AR'84]). **Peggy Deamer** (AR'77) took up her appointment as head, School of Architecture and Planning at The University of Auckland in New Zealand, February 2007. Deamer edited *Re-Reading Perspecta: The First Fifty Years of the Yale Architectural Journal*. The book was reviewed in *Journal of the Society of Architectural Historians*, September 2006. **Philip Taaffe's** (A'77) spring 2007 art show at Gagosian Gallery was reviewed by Roberta Smith in her Art in Review column of *The New York Times*, March 16, 2007. **Liz Diller** (AR'79) and Ric Scofidio (AR'55) of Diller Scofidio + Renfro designed the Institute for Contemporary Art in Boston, which opened in October 2006. **Don Gialanella** (A'79) was profiled in *The Daily Star* on December 30, 2006. Gialanella owns LiveSteel, a sculpture studio in Cooperstown and discussed development of his sculpture and business. **Lee Skolnick's** (AR'79) firm Lee H. Skolnick Architecture + Design Partnership was awarded the 2006 Architectural Achievement Award by the AIA Long Island, New York chapter. The firm's 25 projects on Long Island include private residences, artist's studios and cultural institutions. The firm is currently working on multiple high-end projects on the Caribbean island of Anguilla.

80s

Bruce Nelligan (AR'80) of Nelligan White is the architect charged with converting the retail space in the old J.P. Morgan headquarters, a notable architectural presence at the corner of Wall and Broad Streets in New York City. (See Carl Stein AR'68.) **Stan Allen** (AR'81), dean, School of Architecture, Princeton University,

directed Princeton's convocation on West African Cities. The program connects Princeton University and Kumasi to work on projects in the cities of Accra, Ghana and Lagos, Nigeria. Allen's proposal for Toronto is discussed in "Mission Impossible on the Waterfront" in the *Toronto Star*, May 15, 2006. Allen joins **Catherine Seavitt Nordenson** (AR'94) as a 2007 Latrobe Prize recipient from the AIA College of Fellows for participating in the research project On the Water, a Model for the Future: A Study of New York and New Jersey Upper Bay. **Jesse Reiser** (AR'81) and **Nanako Umemoto** (AR'83) designed a 22-story office tower in Dubai. Completion is expected in spring 2009. **August Ventura** (AR'81) conjoined two Abingdon Square, New York City, apartments for drag artist Charles Busch. The project was described in the Habitats column of *The New York Times*, December 10, 2006. **Samuel Anderson** (AR'82) has a new firm and address, Samuel Anderson Architects. You can reach him at www.samuelanderson.com. **Karen Bausman** (AR'82) was a participating jurist in the Worldstudio American Institute of Graphic Arts scholarship competition spring 2006. **Leslie Gill** (AR'82) is mentioned in the feature "An L.A. Artist Captures Light in Glass" in *Architectural Record*, May 2006. **Frank Godlewski** (AR'82) gave a lecture and historical tour of downtown Bloomfield Avenue in Montclair, NJ, on September 24, 2006. **Kaye Kollar** (AR'82) received a 2006 AIA Honor Award for interiors done for the English House in Beverly Hills, CA. **Paul Seletsky** (AR'82) received a 2006 AIA Vice Presidential Citation for Professional Development. Seletsky is director of digital design at Skidmore Owings & Merrill LLP and participated in Architecture Week: Design-In-Marathon held at the Center for Architecture AIA New York Chapter on October 7, 2007. **Maurice Cox** (AR'83), associate professor, School of Architecture at the University of Virginia, lectured at the Harvard Graduate School of Design on October 31, 2006. **Evan Douglis** (AR'83) lectured on Autogenic Structures for

the Congress of International Modern Architects, at Cooper Union, April 5, 2006. He also lectured at the University of South Florida lecture series on April 2, 2007. **Eric Drooker's** (A'83) 12th *New Yorker* magazine cover painting was published on November 6, 2006. **Laurie Hawkinson** (AR'83) of Smith-Miller+ Hawkinson architects was noted in "Rethinking New Orleans," *The Architect's Newspaper*, April 5, 2006. She was a guest speaker at the NewHousing-NewYork kick off event held at the Center for Architecture in New York, June 2006. Her firm's design proposal for Coney Island's aquarium was selected from 25 entrees as one of three finalists. She was noted in "In Between Stations," *The Architect's Newspaper*, June 7, 2006 and is mentioned in "At the Borders, Creative," in *The Washington Post*, July 29 2006. **Shigeru Ban** (AR'84) is the subject of Michel Quinejure's film *Shigeru Ban—An Architect for Emergencies*. The film was screened at the 2004 Architecture and Urbanism Film Festival and is now available on DVD from First Run Icarus Films. Ban is the architect for the Pompidou Centre's first branch museum, 200 miles outside Paris. Named Centre Pompidou-Metz, the project began construction in October 2006 and is inspired by a Chinese peasant hat, which the architect found in a Paris market. He gave the keynote address at the 2006 Holistic Options for Planet



Shigeru Ban

Earth Sustainability Conference held at the University of Oregon, April 13–16, 2006. He was named as a juror for the 2007 Pritzker Architecture Prize as was architect Toshiko Mori (AR'76). **Peter Lynch** (AR'84) was a participant in Intersections: Design Education and Other Fields of Inquiry at the 22nd National Conference on the Beginning Design Student held at Iowa State University, April 6–8, 2006. **Suzy Sureck** (A'84) is an installation artist who also teaches and lectures. She has done installations in the Negev desert in Israel, the Darmstadt Forest in Germany and an underwater installation at the University of Maine in Augusta. A work titled *Alice and the Looking Glass* 2006 was on view

from May 7–September 24, 2006 at the Evergreen House of the John Hopkins University in Baltimore, MD. **Maureen Cummins** (A'85) has been making limited edition artist's books since graduating. Teaching, exhibiting and curating shows on the craft, Cummins' limited editions are in private collections and in museums, including the Brooklyn Museum, the Corcoran Gallery of Art and the Museum of Contemporary Art in Chicago. She received a 2006 Yellow Fox Foundation grant. Among her recent limited editions is the extraordinary *Far Rockaway*, produced after she found letters written during 1906–1908 in a shoebox at a flea market. The Edwardian period love story is the correspondence of two young men, whose identities their families requested remain anonymous 100 years later. **Jeffrey Fulvimari** (A'85) is the artist/illustrator of Madonna's children's book, *The English Roses*. Jeffrey also illustrated Madonna's forthcoming children's book and is the featured artist at the University of Akron's Emily Davis Gallery. Since the 1980s, Fulvimari's art has enjoyed rock star status in Japan. **Kyna Leski** (AR'85) was a participant in Intersections: Design Education and Other Fields of Inquiry at the 22nd National Conference on the Beginning Design Student held at Iowa State University, April 6–8, 2006. She was a panelist, 2006 End of Year Show, School of Architecture, University of Illinois, Chicago, May 5, 2006. **Adi Shamir** (AR'85) is the executive director, Van Alen Institute and jury co-chair of the Columbia University and National Parks Conservation Association's Envisioning Gateway project. **Christine Benedict** (AR'86) was a participant in Green Building Matters at the CUNY Graduate Center on April 19, 2006. Foresight Nanotech Institute, a think tank and public interest institute on nanotechnology, has appointed **Dr. Pearl Chin** (ChE'86) to the position of president. **Greg Bogin's** (A'87) abstract paintings were reviewed in the November 2006 issue of *ARTnews*. **Nina Bovasso** (A'87) had paintings in February 2007 at the Bravinlee program exhibition titled *Botanizing the Asphalt*. **Wendy Flanagan** (A'87) began working as the online moderator of the American Marketing Association's Business to Business Special Interest Group beginning in January 2007. **Nenad Milinkovic** (EE'87/MEE'89) has joined his family's metals import and distribution company, Vail International. **Martin Finio's** (AR'88) design work is featured in "A House Grows in Brooklyn," in

Dwell, July/August 2006. Finio created the exhibit design for New Practices New York: Six Young Firms Set Themselves Apart held at the Center for Architecture, July 26, 2006. Recent **Michael Morris** (AR'89) and **Yoshiko Sato** (AR'89) studio work was featured in the *International Magazine of Space Design*, 2006. **Barry Negrin** (ME'89) became a partner at Pryor Cashman Sherman & Flynn LLP in New York.

90s

Robert Legge (AR'90) received the 2006 AIA Austin Texas Chapter Young Architect of the Year Award. **Azin Vally** (AR'90) and **Suzan Wines'** (AR'90) firm, I-Beam Design, created a Soho loft from a former cardboard factory for husband and wife art collectors. Dubbed "ingenious" for its creative reuse of space, the project was profiled in *New York*, February 5, 2007. **Daniel Sakoff** (A'90) had his first solo painting show at Gustavo Olivieri Gallery, Miami, December 2006. **Tori Egherman** (A'91) and her husband **Kamran Astary** (A'94) published a book of photographs of Iran called *Iran: A View from Here*. **Gina Pollara** (AR'91), along with Kevin Bone (Arch. fac.) is co-editor of acclaimed new book *Water-Works: The Architecture and Engineering of the New York City Water Supply* published 2006 by Monacelli Press, NY. **Tapua Tunduwani** (EE'91) moved to Seattle in 2006. He writes that after returning home to Zimbabwe he moved to Botswana in 2004 and started an information technology and outsourcing consulting company with offices in Zimbabwe, Botswana and South Africa and is now setting up a branch in the United States. Tunduwani and his wife Mutsa have a son and daughter who experienced their first snow in November. He "loves being back in the U.S. after 15 years." **Philip Trahanas** (EE'92), newly elected to the Cooper Union Board of Trustees, is also a board member of SYS Technologies. He is a managing director at General Atlantic, a global private equity firm. He specializes in high technology corporate finance and acquisitions. **Harry Gaveras** (AR'93) received the 2006 Emerging Professionals Program of the Year Award at the national AIA Convention in Los Angeles. Gaveras' renovation of the Here Arts Center was noted in *here's* enewsletter, June 2006. **Matthew Monahan** (A'94) describes his life and education as an artist after traveling around the

world in the November 2006 issue of *Art in America*. **Jennifer Williams** (A'94) exhibited art at Gallery 24 in Berlin and at Gallery 27+ in New York during the fall of 2006. **Augusto Arbizo's** (A'95) recent exhibitions include a group show at the Sandra Gering Gallery in New York City during February 2006 and a one-person show at Roebbling Hall gallery in New York City, September 2006. **Don Kim** (A'95) and his wife Amy Yang were interviewed by *The New York Times* for The Hunt column December 13, 2007. The column covers travails of finding a place to live in New York City. **Thomas Schroepfer** (AR'95) co-authored an article titled "Integrating Material Culture" for the November 2006 issue of *Journal of Architectural Education*. **Orly Cogan** (A'96) exhibited an installation titled *Loose Threads* at the Jersey City Museum of Art during fall 2006. **Nicky Enright** (A'96), a.k.a. DJ Lightbolt, is offering a multimedia experience called *Macromix* at the Roger Smith Hotel Art Gallery, March 16–17, May 25–26 and September 7–8, 2007. Enright is a multimedia artist who "spins sonic journeys around global music to create and manipulate the live soundtrack with his collaged video projections." His work can be viewed at www.lightbolt.net. **Dr. Antonina Roll-Mecak** (ChE'96) was honored with a 2006 L'Oreal Fellowship for Women in Science award. Presented at the American Museum of Natural History in New York, Dr. Roll-Mecak was one of five young women recognized and awarded as up-and-coming scientists across the country. Dr. Roll-Mecak is a cellular and molecular biophysicist researching new areas of cell biology and microscopy at the University of California, San Francisco. **Justin Spivey** (CE'96) moved to Yangon Myanmar in 2005 and married fiancée Wendy Madrigal. He is a quality control agent for B.L. Harbert International, LLC and is supervising construction of the new, more secure U.S. Embassy being built in Yangon. His address in Virginia remains his contact information for classmates and friends who wish to write. **Jiri Boudnik's** (AR'97) new documentary *Sugar Cubes & Chocolate* was screened at the Czech Center in New York, April 26, 2006. **Wangechi Mutu's** (A'97) recent exhibition of oil paintings in the Santa Fe Biennial was reviewed in the October 2006 issue of *Art in America*. **Jennifer Lee** (AR'97) lectured at the Museum of Modern Art's Celeste Bartos Theatre on February 23, 2007. She participated in the Architectural

League 2006 Student Program Panel and Studio Tours held September 30 2006. Her project *BEATFUSE* at P.S. 1 was mentioned in *Architectural Record*, September 2006 and June 2006, in the column Editors Soapbox in *eOculus*, July 11, 2006 and in eavesdrop, *The Architect's Newspaper*, July 12, 2006. **Victoria Tentler-Krylov** (AR'97) was promoted to associate at Gensler Architects in Boston. **William Villalongo** (A'99), adjunct professor of art at The Cooper Union had his first one-person show at Franklin Art Works in St. Paul, MN in December 2006.

00s

John Hartmann's (AR'00) design for the Architectural League of New York Beaux Arts Ball was discussed in *The Architect's Newspaper*, May 10 and June 7, 2006. His renovation of a Park Slope apartment was featured in "The Well-Ordered Kitchen" in *New York*, May 22, 2006. **Leslie Hewitt** (A'00) had her first solo show in March 2007 at Artist Space in Soho, New York. The exhibition was reviewed in *The New York Times*. **Thomas Tsang's** (AR'00) receipt of the 2006 Rome Prize was noted in "Names in the News," *eOculus*, May 2, 2006. **Aviva Bieler** (ME'02) was selected by the American Society of Mechanical Engineers as one of 15 New Faces of Engineering in 2007. Bieler works for The Port Authority of NY & NJ and her projects include redevelopment of air conditioning and smoke control systems for station platforms at the World Trade Center Transportation Hub and design of tunnel ventilation for the Port Authority Trans-Hudson (PATH) line. She is a participant in the ACE Mentor Program, introducing high school students to career opportunities in industry. **Alexandar M. Kwartler** (A'02) and his collaboration with artist Polly Apfelbaum, as well as his own recent paintings, were reviewed in the November 2006 issue of *ARTnews*. **John Lin** (AR'02) was awarded an Honorable Mention in the Washington University 2006 Steedman Fellowship in Architecture International Design Competition. **Daniel Arsham** (A'03) was profiled in the March 2007 issue of *ARTnews*. He was chosen by choreographer Merce Cunningham to design sets for his latest production *eyeSpace*, which premiered in Miami in February. **Sean Khorsandi** (AR'04) is featured in "Learning to Love Archi-Torture" in *Yale Daily News*,

In Memoriam

Alumni

Arthur Bamberger (AR'25)
 Cesare Poletto (AR'29)
 Isaac Drekter (ChE'31)
 David Mesnik (A'33)
 William Zieve (ME'33)
 Cecil Corner (AR'34)
 Joseph Zvacs (A'34)
 Ettore Cafarelli (AR'35)
 Louis Foltan (ME'35)
 Arthur Kahlenberg (CE'35)
 George Kilgfield (Eng'36)
 Seymour Clair (EE'37)
 Ruth Barbarow (A'39)
 Joseph Barker (CE'39)
 Bernard Olcott (EE'39)
 Robert Gordon (ME'40)
 Lina Martha Rudat (A'40)
 Max Strauss (CE'40)
 George Everson (ChE'41)
 Emil Pansky (ME'41)
 James Doyle (ME'43)
 Peter Heere (ChE'43)
 Sol Jacobson (Eng'44)
 Stanley Hausner (A'47)
 Ernst O. Juhl (EE'47)
 Howard Miller (EE'47)
 June Checker (A'49)
 Howard Fenton (A'47)
 George Garaufis (ME'47)
 Kurt Halbert (ME'49)
 Howard Rubin (CE'49)
 William Rup (ME'49)
 Ben Swedowsky (A'49)
 Richard Wengraf (CE'49)
 Howard Fussiner (A'50)
 Gordon Rockmaker (Eng'50)
 William Lindenfesler (EE'50)
 Jack Biller (A'51)
 Murray Glaser (CE'52)
 Herbert Cahn (ME'54)
 Howard Title (A'56)
 John Bischoff (AR'58)
 Ron Farber (A'59)
 Robert Winsor (A'60)
 Thomas Haas (A'63)
 William Giersbach (A'64)
 Matthew Keehan (EE'65)
 Patsy Fontanarosa (EE'66)
 George Chaikin (AR'69)
 John Eargle (EE'70)
 Erica Lynn Sohn (A'77)
 Mary Stigliano (ChE'82)
 Stephen Blumenthal (CE'86)
 Colin T. Dorrian (BSE'00)
 Zander Sarkis Vaubel (A'05)

Faculty

Professor George Chaikin (AR'69/Arch. fac.), artist, professor at Cooper Union, Princeton University and School of Visual Arts.

Professor Darrel Ellison
 Retired 1996, Department of Physics, School of Engineering

Professor Daniel R. Raichel
 Director, The Cooper Union
 Acoustics Research Center
 1991-1998



April 14, 2006. He received his M.Arch.II from Yale and served as banner bearer at Yale's May commencement. **Basar Girit** (AR'05) and **Wes Rozen's** (AR'05) designs for CitySol are noted in the online column Reports from the Field, *eOculus*, July 11 and July 25, 2006. **Gia Mainiero** (AR'06) participated in the AIA exhibition and graphic design show Archschools-Public View, held at the Center for Architecture, New York, September 5-November 10 2006. **Seth Labenz** (A'06) and **Roy Rub** (A'06) of Topos Graphics had a full page Op-Art design (see above) in *The New York Times*, December 27, 2006 article "The Year in Health Fads." Labenz and Rub were Lubalin Fellows at The Cooper Union. Rub's self-portrait exhibition *Promised Lands* was on view in the Lubalin Center March 1-24, 2007.

Save the Date!

Art Auction & Casino Night will be held on **Saturday, October 20, 2007.** Look for more information on www.cualumni.com.

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Annual Student Exhibition 2007



"Mini Baja" by Cassandra Telenko (ME'07), Dan Solomon (ME'07), Linda Lam (ME'07), Matt Grinberg (ME'07) and Matthew Chateauvert (ME'07).

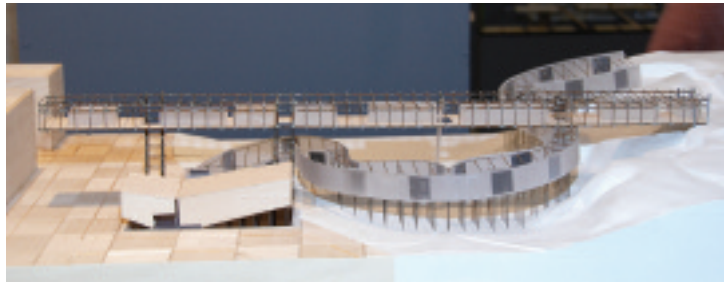


left: Jeffrey Castellano (A'07)



photos: Juliana Thomas

Student work from Design IV: The Proto-Urban Condition

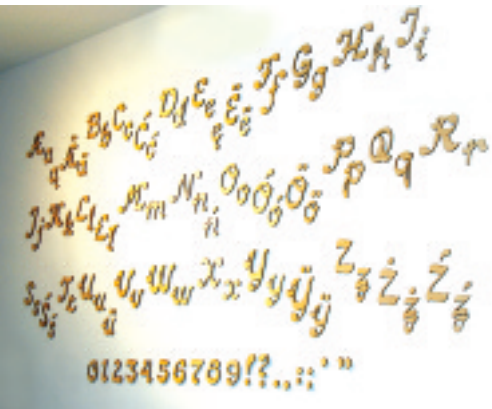


"Under the Bridge," thesis project by Dasha Khapalova (AR'07)

Hannah Rawe (A'07) (foreground) and Eleanor Swordy (A'09)

Left: Karolina Lach (A'07)

Right: Yinna Wang (A'07)



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