TATES & Sciences

THE GEORGE WASHINGTON UNIVERSITY COLUMBIAN COLLEGE OF ARTS AND SCIENCES

Theatre & Dance TAKING CENTER STAGE

Science and Engineering Hall TRANSFORMING LEARNING AND DISCOVERY

What is Happiness?
BEYOND WEBSTER

Faculty Star Power
CELEBRATED AUTHORS INSPIRE STUDENTS

GWArts & Sciences

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THE GEORGE WASHINGTON UNIVERSITY
COLUMBIAN COLLEGE
OF ARTS AND SCIENCES



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On the cover: Then-student Sarah Wilson, BA '10, dances in *Hekuras*, choreographed by Maida Withers. *See related story, page 10*.



Dean's Message

reetings to all alumni, parents, faculty, and friends of the Columbian College of Arts and Sciences! As I enter my fifth year as dean, it is gratifying to reflect on where we've been and exciting to look ahead to where we're going during the months and years ahead.

One of the biggest developments since I've come on board is Science and Engineering Hall. Ground has been broken on this incubator of learning and discovery, designed to maximize collaboration across disciplines through teaching and research neighborhoods and open, integrated classroom and lab space. These flexible spaces will encourage shared conversations among faculty and students, scientists and engineers, bridging the lecture, lab, and seminar, and leading to new ideas and discoveries. The behind-the-scenes effort to move this remarkable facility from drawing board to bricks and mortar has been monumental, and I applaud all of those involved in helping get us to where we are today.

This fall also marks the implementation of significant reforms in undergraduate general education aimed at instilling the skills necessary to be nimble in the 21st century. The new General Education Curriculum educates students to engage in active intellectual inquiry by developing analytical skills, diverse perspectives, and oral and written communication expertise. The requirements incorporate rigorous academic benchmarks to measure skill level and allow greater flexibility in pursuing a variety of interests. I am proud to say that, with the launch of this pioneering course of study, Columbian College is a leader among the nation's liberal arts institutions.

George Washington once said that the arts and sciences are "essential to the prosperity of the state and to the ornament of human life." At Columbian

College, advancing discovery, creativity, and inquiry are integral to our mission. We are a place where the arts, the humanities, the social sciences, and the natural sciences come together to form a nexus of ideas and opportunities. And we're constantly adapting to an ever-changing world through new majors, minors, master's and PhD options, research and internship opportunities, and an array of professional programs that are pushing our students to excel.

What we do, of course, could not happen without a dedicated group of faculty, many of whom are top scholars in their field, and the commitment of our donors, whose generosity affects every facet of our work. From scholarships and professorships to program and research support, we could not begin to envision new possibilities without the philanthropy of our alumni and friends—some of whom you'll read about here.

Columbian College is a large enterprise, and our community is extensive, so it's impossible to capture all that we do within the pages of this magazine. To learn more about what's happening on and off campus, join us on Facebook or Twitter, or visit us at columbian.gwu.edu. If you're not receiving our monthly electronic newsletter, please let us know. It's always a pleasure to hear from you, and I invite you to stop by for a visit the next time you're on campus.

Sincerely,

Peg Barratt

Dean, Columbian College of Arts and Sciences ccasdean@gwu.edu www.columbian.gwu.edu





HOW MIGHT the worldwide resurgence of tuberculosis be controlled using specifically designed chemicals? What is the biological basis and psychological impact of autism? How can radioactive wastes be stored safely?

From developing life-saving treatments to unlocking the mysteries of subatomic structure, Columbian College is addressing these and other pressing scientific issues of our time. In classrooms and labsand through partnerships with such prestigious institutions as the Smithsonian and the National Institutes of Health-faculty are involved in a broad range of scientific endeavors, engaging students of biology, chemistry, physics, and hominid paleobiology.



WHAT ARE OUR SCIENTISTS UP TO?

Nuclear Fuel Storage: Chemist **Christopher Cahill e**xplores soluble uranium in an environment containing dissolved organic material, such as a pond or bog. His studies involve heating uranium salts mixed with organic compounds—the resulting solids are then analyzed using X-rays to generate three-dimensional, atomic-level images of their structures. Cahill discovered that soluble uranium, when combined with iron-rich minerals, will change into an immobile form. His findings could impact the design of reactors and nuclear waste storage sites as well as future groundwater studies.

Fish Evolution: Biologist **Patricia Hernandez** examines the complex comparative cranial/facial anatomy of fishes through a broad lens of evolutionary development. Her past research indicates that the skulls of fish are much more complex than mammalian skulls, showing an enormous amount of structural diversity. Hernandez has found that a particular signaling pathway is required for jaw growth, cartilage growth and, most importantly, to allow for differentiation of gill cartilages.

Human Evolution: Hominid paleobiologist **Brian Richmond** studies human evolution by analyzing skeletal fossils to gain further understanding on the origin and evolution of human gait, feeding biomechanics, and manual dexterity. His discovery of a set of 1.5 million-year-old human ancestor footprints in Kenya shows the earliest direct evidence of modern human-style upright walking (bipedalism). Richmond and his team also found evidence that our early ancestors consumed marine and freshwater fish, which may have led to the growth of a larger brain.

Force of Nature: Nuclear physicist Allena Opper makes precise measurements of symmetry violations to understand the fundamental forces of nature. She works with collaborators at the Jefferson Lab in Virginia to scatter high energy electrons from protons to determine if their interaction depends on the way the electrons are aligned. That dependence on alignment would violate mirror symmetry (called parity) and show a connection between the Earth's electromagnetic force and the "weak" nuclear force that occurs within the Earth's Sun. The Standard Model of particle physics predicts this dependence to be infinitesimal, so Opper's work to develop elaborate techniques to precisely measure that dependence is critical to understanding the dynamics of sub-atomic particles. It's a level of precision that could lead to new insights on the early development of the universe.

spotlight

On the site that was once the University Parking Garage, a new eight-story, 400,000-square-foot anchor of learning and discovery is being built to better accommodate the biological and physical sciences, as well as the engineering and applied sciences. Slated to open in early 2015, Science and Engineering Hall (SEH) promises to secure GW's place as the premier scientific research university in the nation's capital.

"The facility will have a transformative effect on Columbian College and the entire university," said the college's Associate Dean of Special Projects and Professor of Biology **Randall Packer**. "This investment in new classrooms, lab space, and research equipment will enable our programs to attract and graduate the next generation of scientists and increase our already considerable contribution to scientific advances."

The organizing concept behind the facility is the integration of teaching and research on all floors and the creation of clusters of interests among scientists and engineers. It will nearly double current lab and classroom space and will incorporate core research facilities. Teaching laboratories will reflect the latest pedagogical thinking about how students learn science most effectively.

"The answers to the big questions—like how will we meet our energy needs while protecting the environment—require multidisciplinary approaches," said Columbian College Dean Peg Barratt. "The open layout of this new building, with its teaching and research 'neighborhoods,' will facilitate and encourage collaboration."

The facility's innovative features include:

- A high bay with a 30-foot ceiling for research involving large-scale objects, such as building particle detectors for high-energy physics experiments
- A 3,600-square-foot, state-of-the-art greenhouse to study the impact of climate change on plants and animal/plant interactions



- An imaging facility to enable investigators to "see" into materials and cells with greater detail and clarity
- A "clean room"—where air quality, temperature, and humidity are regulated for students and faculty to create computer chips
- A multi-use auditorium and a media center for hosting national science symposia, conferences, and keynote addresses by distinguished visitors
- Flexible space to accommodate developing technologies

"We've already seen the impact of modern, spacious facilities... such as the consequential research of the Vertes Research Group when it moved to renovated space in Corcoran Hall six years ago," said Michael M. King, professor and chair of GW's Department of Chemistry. "SEH has the potential to multiply that effect throughout the facility, creating new opportunities and making a difference in ongoing work."

The Vertes Group is led by Professor of Chemistry Akos Vertes, whose accomplishments include the development of a groundbreaking technique that could revolutionize the study of chemical processes within cells. (See research brief, page 27.)

Illustrations, above and right, of interior SEH spaces

THE PROMISE AND THE POTENTIAL

The promise of the new facility has already advanced efforts to grow Columbian College's research enterprise and attract new faculty. Among those recently recruited are **Damien O'Halloran**, a postdoctoral fellow at the Center for Neuroscience at the University of California, Davis, who will join the Department of Biological Sciences; and, to the Department of Chemistry, **Adelina Mitova Voutchkova**, a Yale postdoctoral fellow whose research interests include green chemistry, sustainability, toxicity, and hazard reduction of commercial chemicals. Both O'Halloran and Voutchkova will begin their tenure at GW in January. It is anticipated that approximately 20 more scientists from the nation's top laboratories and academic institutions will be hired by 2015.

For students, the impact of the building on learning will be all-encompassing. At both the undergraduate and graduate levels, students will have the opportunity to study how to plan and conduct an experiment and how to interpret results in a building where science is practiced all around them.

"With our strong commitment to the integration of undergraduate research in our curriculum, we look forward to inviting more of our stellar students into spaces that will accommodate them," said King.

The location of Science and Engineering Hall in a metropolitan area that has become a center for world science will not only bolster the recruitment of top students and faculty, it will also build upon existing partnerships with government agencies, think tanks, museums, and other national and international organizations. "This new building," added Barratt, "will enable us to be a node and a convener for scientific research on a global scale."

News Briefs

THE TEXTILE MUSEUM JOINS GW

he Textile Museum, with its internationally acclaimed collection of 18,000 textiles and carpets dating from 3,000 BC, will have a new home on the GW campus beginning in 2014. **Exhibitions and programs** will be presented to the public as part of an approximately 35,000-square-foot museum at G and 21st streets. The building will include galleries and space for academic and scholarly activity, public lectures, and other forums, all of which will be integrated into a wide range of academic studies. Among the disciplines benefiting from this rich cultural resource will be anthropology, fine arts and art history, interior design, museum studies, Judaic studies, Africana studies, and American studies.

STUDENTS PART OF WIKI PUBLIC POLICY INITIATIVE

tudents from Columbian College's Trachtenberg School of Public Policy and Public Administration are making a difference in the Wiki world of public policy through the Wikipedia Public Policy Initiative. The school is one of the first in the nation to participate in this pilot project sponsored by the Wikimedia Foundation, a nonprofit organization overseeing Wikipedia. The goal is to improve the quality of public policy-related articles on Wikipedia through student contributions.

NEW BUZZ ON CAMPUS: AN URBAN APIARY

ans of Founding Farmers, the Foggy Bottom restaurant known for its fresh, local, and





sustainably produced food, now have something new to buzz about. In a venture with the university, the restaurant is expanding GW's urban bee colony on the roof of Lisner Hall and will begin using the apiary's honey in its cooking. The new hives also broaden research opportunities and enable Columbian College biologists to play an active role in encouraging local sustainability and green living.

Founding Farmers has also established a \$5,000 scholarship for an undergraduate student to oversee the apiary. The first recipient is biology senior **Heidi Wolff**, who is using the hives in her research comparing, through pollen analysis, the differences between city bees and those found in rural areas.

MUSEUM STUDIES TO LAUNCH IRAQI RESIDENCY PROGRAM

o support Iraq's cultural heritage, the Museum

Studies Program is partnering with the State Department's International Relief and Development organization to introduce an Iragi Museum Residency Program in summer 2012. Iraqi museum professionals will travel to the United States to participate in this five-month learning and training initiative, which will include courses in exhibition development and design, museum management and leadership, and an analysis of the modern museum audience. GW faculty teaching the courses will be joined by guest speakers from the National Geographic Society, the Smithsonian Institution, The Phillips Collection, and other entities. Participants will explore D.C.-area museums and take guided field trips to New York and Philadelphia, as well as Mount Vernon, Monticello, and Colonial Williamsburg. The U.S. **Embassy in Baghdad** is involved in selecting program participants.

COHEN WINS PRESTIGIOUS GUGGENHEIM FELLOWSHIP

effrey J. Cohen, professor J of English and director of the Institute for Medieval and Early Modern Studies, won a coveted Guggenheim Fellowship for his work in medieval literature. Cohen was one of 180 fellows, chosen from among 3,000 applicants, recognized for their "exceptional capacity for productive scholarship or creative ability in the arts." As a Guggenheim Fellow, Cohen plans to complete his book Stories of Stone: Dreaming the Prehistoric in the Middle Ages. His work also will be supported by a prestigious fellowship from the American Council of Learned Societies.

NEW LEADERSHIP AT COLUMBIAN

Paniel Ullman succeeded
Paul Duff as Columbian College's
associate dean for undergraduate
studies. Ullman, who joined
GW in 1985, chaired the
Department of Math from
2001 to 2006 and was the 2005
recipient of the Kenny Teaching
Prize. In 1995, he co-founded
the GW Summer Program for
Women in Mathematics, which
continues today. Ullman holds
a PhD in mathematics from

the University of California, Berkeley, and currently works with D.C. Public Schools to advance teaching and learning enrichment programs in math and science. Last spring his book, A Mathematical Look at Politics, was released. (See page 24.)

Chris Sterling, professor of media and public affairs and public policy and public administration, joined the dean's staff as an associate dean for special projects. During Sterling's three decades at GW, he directed the former Center for Telecommunications Studies, chaired the Department of Communications, served as the college's associate dean of graduate studies, and authored several books, including the recent six-volume Encyclopedia of Journalism. He received his doctorate in communication from the University of Wisconsin–Madison.

And **Barry Chiswick**, the new chair of the Department of Economics, was among the 18 full-time faculty members recruited this year by Columbian College. A renowned economist whose seminal research on labor markets and immigration has helped inform the nation's public policy debate, Chiswick comes to GW from the University of Illinois, Chicago, where he served as a distinguished

professor and founding director of the Center for Economic Education. He is a former member of the President's Council of Economic Advisers and the author of 14 books. Chiswick holds a PhD, with distinction, in economics from Columbia University. He is the 2011 recipient of the prestigious Study of Labor (IZA) Prize in Labor Economics.

ENHANCED CURRICULUM IMPLEMENTED

he fall semester brought noteworthy change to the Columbian College academic curriculum. Most significantly, a new General Education Curriculum for incoming freshmen has been implemented. The curriculum's requirements encourage development of key analytic and creative thinking skills, as well as expertise in scientific and quantitative reasoning, diverse global and cross-cultural perspectives, and written and oral communication. The changes also include benchmarks to gauge expertise and achievement as well as more options for students to pursue interests outside of their majors or minors. The new requirements are designed to better prepare liberal arts undergraduates for success in the 21st century global workplace.

Undergraduate students also have more choices when it comes to majors and minors. Africana Studies, Organizational Sciences, and Peace Studies are three new study options among the 47 majors available to Columbian College students, and Mind-Brain Studies and LGBT Sexuality Studies join the 58 minors offered.

Graduate and professional studies have expanded as well with the addition of an MFA in Dance, an MA in Legal Institutions and Theory, and a graduate certificate in Exhibit Design. In addition, a new PhD



in Anthropology and an MA in Jewish Cultural Arts—the first degree of its kind in the country—will be launched in fall 2012. In total, Columbian College offers more than 60 advanced degree options in fields ranging from public policy to forensic sciences and art therapy.



"Theatre is a verb before it is a noun, an act before it is a place."

Martha Graham American modern dance pioneer



MFA dance students receive instruction from Professor Maida Withers, left.

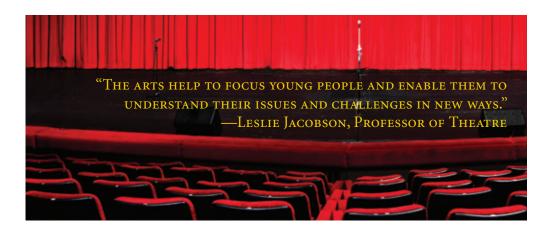


Student performance of the "Threepenny Opera"

Take Center Stage

The powerful grace of a dancer mid-air, the consuming passion of an actor immersed in performance . . . the performing arts are among the most enduring testaments to beauty, perfection, and our shared humanity.

spotlight



Dana Tai Soon Burgess, who emanates sublime artistry and an approachable elegance, is propelling the creative spirit to new heights as chair of Columbian College's Department of Theatre and Dance. He and members of his faculty are helping to build the department's reputation as an innovative artistic force on the national and international scene.

"We are at a pivotal moment in the history of the department," said Burgess, MFA '94, whose credits include U.S. cultural ambassador, critically acclaimed dancer and choreographer, and founder of Washington, D.C.'s premiere contemporary dance company, Dana Tai Soon Burgess & Co. "Theater and dance transcends boundaries, both real and imagined. Our goal is to put GW on the worldwide map as a preeminent hub for the performing arts."

A GLOBAL REACH

The Department of Theatre and Dance, with the D.C. metropolitan area as its backdrop, boasts the oldest and most extensive performing arts programs in the nation's capital. Since the merger of dance and theater in 1987, the department has mounted 161 main stage productions, produced countless performance projects, trained hundreds of dance and theater professionals and, most recently, launched a globally focused MFA dance program. The broadening international perspective has become a department trademark.

Last spring, for example, a five-member dance ensemble led by Burgess—known for his synthesis of Eastern and Western dance aesthetics—traveled to the city of Ulaanbaatar through a grant from the Department of State and support from the U.S. Embassy in Mongolia. Only a handful of contemporary American dancers have ever performed in Mongolia.

"Contemporary dance has the capacity to bring different cultures together in the shared language of movement," said Burgess. "The distance and impact of this program will resonate through the region on a multitude of levels."

On another continent, Professor of Theatre **Leslie Jacobson** and Assistant Professor of Art Therapy **Heidi Bardot** traveled with students to Winterveldt, South Africa, a rural township of 700,000 with daunting demographics, including 50 percent unemployment, high HIV/AIDS infection rate, and serious problems with teen pregnancy, tuberculosis, family violence, and rape. At the town's Bokamoso Youth Center, they worked with the center's staff to teach life skills—including respect for oneself and others, problem solving, and anger management—though theater, music, dance, and writing. Earlier this year, a dozen of the Bokamoso youth came to GW to perform in a show based on their daily struggles and life experiences.

"The arts help to focus young people and enable them to understand their issues and challenges in new ways," said Jacobson. "Through performance, the Bokamoso youth overcome the hardships they face every day. Seeing this transformative power of art, and being a part of it, is something my students will never forget. We all can benefit from this awareness."

"The South Africa project combines two of the things I am most passionate about: theater and social politics," added **Caroline O'Grady**, a 2010 graduate who made the trip to Winterveldt in 2009 and used a Gamow Fellowship to film a documentary about the community. "Despite the poverty, crime, and harsh conditions, the youth reach for a better life and future, grasping at any opportunity to further their education."

ACADEMIC AND ARTISTIC EXPANSION

According to Professor of Dance **Maida Withers**, students select GW's theater and dance programs because they want to perform in an "intellectual environment."

"We are becoming known nationally and internationally for our interest in the creative process and experimentation," said Withers, whose award-winning Dance Construction Company has produced over 100 dance works and toured more than 18 countries. "Our program has always focused on the creative process as research, and experimentation as an important aspect of that research."

A 40-year tradition of guest artists also provides students with unusual collaboration opportunities on a global level. Last spring, dancer/choreographer Francisca Morand and students from the University of Chile came to work and perform with GW students for the Spring DanceWorks concert in April. The joint effort was made possible through the Dean's Scholars in Globalization Program. In May, a group of GW dance students followed suit, traveling to Chile to perform and take dance classes under Morand's direction.

"We find guest artists who are usually on the edge of becoming well-known and are taking risks as they are defining and establishing an aesthetic," noted Withers. "Our department has a strong reputation as a place that supports artists who aren't necessarily following a tried-and-true path."

The department also encourages student writers and actors to spread their wings. In March, Theatre and Dance, in a joint effort with the Department of English, mounted its fourth annual "New Plays Festival" featuring a collection of one-act plays co-written by students and recent graduates. GW is one of the only universities in the region to produce a student-written show, providing a rare opportunity for students to develop their work in the medium for which it is intended—live performance.

"The playwrights see the festival as an opportunity to try out as many new ideas as their energy and imagination allow," said **Jodi Kanter**, director of the Dramatic Literature Program and associate professor of theater. "Students don't just emerge from the festival with a better play, they emerge as better playwrights with a deeper understanding of what makes good theater."



Youth from South Africa's Bokamosos Youth Center learn lyrics of a song written by Theatre Professor Leslie Jacobson.

spotlight

CAREER BY DESIGN

To broaden their learning experience, undergraduate students are encouraged to double major. For art history student **Alexandra Pinel**, taking on a second major in dance changed her life. "Dance was never part of my plan in college and never did I imagine getting an award or fellowship," said Pinel, a native of France who was drawn back to the dance studio during her junior year. "Columbian College gave me a chance to follow my wildest childhood dreams while staying centered on scholarship through faculty guidance. I really found myself."

Pinel spent a semester abroad attending the Berlin Metropolitan Studies Program at Germany's Humboldt University, which deepened her passion for movement and choreography. As a Luther Rice Undergraduate Research Fellow, she filmed interviews with "Ossies" (East Berliners), and choreographed



their stories into a multimedia project that eventually became "Stolen Spaces," an honors thesis depicting the fall of the Berlin Wall. With graduation last May came a dream come true: an administrative job with the Alvin Ailey American Dance Theater.

The combination of academic rigor and innovation also follows students studying more technical aspects of performing arts, such as production design. They learn from faculty whose credits include set design in live theater, television, and exhibit halls. **Carl Gudenius**, deputy chair of the Department of Theatre and Dance, is a prime example.

For 35 years, Gudenius has been designing stage sets and working with stage lighting in Washington, D.C., New York City, and shows around the world. That vast expertise shapes his courses in production design, lighting design, scenic design, production drafting, and periods and styles.

THE ARTS AT COLUMBIAN COLLEGE

TAKE TOP-TIER PROGRAMS in music, dance, theater, the fine arts, interior design, art therapy, museum studies, and creative writing. Put them in a metropolitan area bursting with outstanding museums, galleries, archives, and performing arts venues. For good measure, throw in talented faculty, many of whom are practicing professionals. It's a formula that results in Columbian College students excelling artistically and intellectually on the world stage.

In addition to Columbian's programs in theater and dance, as well as creative writing (see story, page 16), the college turns out graduates ready for careers in:

ACADEMY FOR CLASSICAL ACTING

Offered by the Shakespeare Theatre
Company in conjunction with Columbian
College, the Academy for Classical Acting is
the only full-time MFA program in the
country focused exclusively on developing
actors for classical theater. Under the
guidance of the Shakespeare Theatre
artistic director and a talented faculty
of artists and scholars, the academy's
one-year intensive graduate program trains
students in acting, voice and speech,
movement, mask, the Alexander Technique,
text, combat, dramatic literature, and
theater history.

ART THERAPY

The Art Therapy Graduate Program merges the expressive use of drawing, painting, and sculpture with psychological concepts to help heal the mind and body. Now in its 40th year, the program was the first of its kind in the United States and one of the first to receive approval from the American Art Therapy Association. Students learn in state-of-the-art classrooms and studios and have access to international coursework and more than 100 internship options.

"We are becoming known nationally and internationally for our interest in the creative process and experimentation."

Maida Withers
Professor of Dance

"Carl is an enthusiastic professor and a visionary designer," said Burgess. "And he has an incredible network that has helped our graduates get jobs in the production design field after graduation."

The department's connections with D.C. venues—including Arena Stage, Olney Theatre, and The Folger Shakespeare Library—have enabled hands-on opportunities for students. The MFA in Production Design requires students to undertake full-time, semester-long internships at a local professional theater.

"The aesthetics and skill sets students learn in theater design and production courses are a great foundation for a wide range of design disciplines," said Gudenius. "These areas include television, film, themed environments, and special events."

AN UPWARD TRAJECTORY

The department's upward trajectory shows no sign of plateauing. The number of dance majors has doubled in the last 24 months and the department just launched a new graduate certificate in exhibit design, which includes faculty from the Museum Studies and Interior Design programs. The new certificate addresses the growing demand for top tier exhibits in venues ranging from corporate showrooms and convention centers to museums and high-end department stores.

This past summer also marked the reinstatement of the MFA in Dance for mid-career dancers, performers, and choreographers. Combining residency and distance learning to enable professionals, wherever they live, to maintain their careers, the hybrid program is attracting enormous interest both in this country and abroad. With the number of enrolled candidates surpassing initial projections, the MFA is another example of how the department is entering a new level of international recognition.

"We are a top-notch university with an exceptionally talented theater and dance faculty," said Burgess. "We deeply care about nurturing and mentoring future dancers, actors, choreographers, directors, and playwrights, and we are perfectly positioned to elevate the department's national and international profile."

FINE ARTS AND ART HISTORY

The Fine Arts and Art History Department joins creative expression with art theory and history, challenging students to think beyond the classroom. The curriculum runs the spectrum from painting, sculpture, photography, and new media to studies in ancient and contemporary art. Classroom 102, the department's student-run gallery, offers opportunities for collaboration even as it merges intellectual inquiry with hands-on learning. In addition, a new partnership with The Phillips Collection has resulted in a number of new educational opportunities, including the Conversations with Artists lecture series.

MUSIC

Located in one of the nation's most eclectic centers of musical diversity, the Music
Department takes pride in a faculty that includes members of the National
Symphony and Kennedy Center orchestras, and a student body that has plenty of opportunities to take the stage on campus, in D.C., and on the road. But it's not just about performing with orchestras, symphonies, wind ensembles, and jazz bands. Undergraduates expand their knowledge of music theory, composition, history, and literature as they develop critical thinking and writing skills.

INTERIOR DESIGN

A multifaceted program accredited by the Council for Interior Design, the curriculum encourages graduate and undergraduate students to push the boundaries of creativity as they craft innovative residential, commercial, and institutional spaces. Students move beyond the design studios through access to National Building Museum exhibitions, the Washington Design Center, the United States Green Building Council, and trade shows—enriching their learning through immersion in the thriving local design community.





"Writers have to trust the deepest parts of themselves, be willing to expose those parts, and then separate themselves from the work that's on the page."

JANE SHORE PROFESSOR



RENOWNED WRITERS DOUBLING as college English professors is not a rarity among universities, but few institutions of higher learning can boast the concentration of teaching talent that exists within Columbian College's Creative Writing Program. These award-winning authors are not resting on their laurels; rather, they are dedicated and engaged mentors to the next generation of poets, playwrights, and novelists.

Take, for example, author **Edward P. Jones**, winner of the 2004 Pulitzer Prize in Fiction and the National Book Critics Circle Award for *The Known World*, and a recipient of a MacArthur Foundation fellowship (commonly called the "Genius Award"). After teaching one semester at GW as a Wang Visiting Professor in Contemporary English Literature, Jones officially joined the English Department in 2010 as a full-time professor.

"Professor Jones made us write the way people do in the real world," said economics major and creative writing minor **Chester Hill**, BA '11. "He turned us loose and said write 55 pages by the end of the semester. It was demanding, but it was cool being in class with a guy as decorated as he is and seeing his reactions to my work and that of other students."

A LITERARY BONANZA

In a city that has been a hub of literary creativity and a home to such esteemed poets and novelists as Walt Whitman, Elizabeth Bishop, and Gore Vidal, it seems only natural that GW's Creative Writing Program has blossomed, attracting writers who are the best in their field. The program's courses in fiction, poetry, and playwriting are combined with regular campus readings by visiting writers, and a number of student-run publications. The result: a lively literary community that is the envy of peer institutions around the country.

Small classes—no more than 15 students—enable one-on-one interaction that replicates the relationship between writers and editors. The curriculum for majors is rigorous and includes writing a short story, play, poem, or 50-page novella.



Creative Writing Director **Thomas Mallon**, the author of seven novels, including *Henry and Clara*, and winner of the American Academy of Arts and Letters' Harold D. Vursell Memorial Award for exceptional prose, is impressed by the way students respond to teacher involvement.

"When you start talking about how one of their characters might plausibly behave, they sense you're on their side, that you want the piece to be good," said Mallon, who is currently editing his eighth novel. "In the process, they're learning about organization, clarity, and continuity."

Critically-acclaimed poet **Jane Shore** joined the Creative Writing Program in 1989 as a Jenny McKean Moore Writer, a one-year writer-in-residence post that was established thanks to the generous legacy of Moore, a former student of playwriting at GW. Now a full-time faculty member, Shore won the 2010 Poet's Prize for her book *A Yes-or-No Answer* and is working on her sixth book, *New and Selected Poems*.

"I try to help my students discover what's different about them as people and put that into their writing," Shore said. "Writers have to trust the deepest parts of themselves, be willing to expose those parts, and then separate themselves from the work that's on the page."

Jessica Flynn, BA '04, took her first intermediate poetry workshop with Shore. "I remember going in feeling not at all confident in my ability to write a poem and leaving class at the end of the semester feeling like a poet, knowing I had a story to tell and the ability to tell it," she said.

After graduating from GW, Flynn went to New York University to earn her master's and work in NYU's Creative Writing Program. Over the years, she has stayed in touch with Shore and was honored last year when Shore read a poem at her wedding.

Other members of Columbian College's creative writing faculty include poets **David McAleavey** and **Gregory Pardlo**, fiction writer and essayist **Faye Moskowitz**, novelist **H. G. Carrillo**, and novelist and playwright **Patricia Griffith**.

"We're not trying to turn every major into a writer, but we are helping them accumulate skills that will be useful to them," said Mallon. "Our graduates may be surprised, but they will hear an employer in most any field say, 'You can write. You will be useful to me."





Thomas Mallon with Katherine Hardwick, BA '11



A GW field crew in Alaska last year. Left to right: Josh Dugat (PolarTREC teacher), Dmitry Streletskiy, Ellen Hatleberg, Elliot Upin, Kelsey Nyland.

easuring the long-term effects of climate change on the active and near-surface permafrost layers of the Arctic has taken Assistant Professor of Geography Nikolay Shiklomanov and a group of graduate and undergraduate students to Alaska every August since 2010. Through a five-year, \$1.7 million grant from the National Science Foundation (NSF), the field research is part of the global Circumpolar Active Layer Monitoring (CALM) project.

"The CALM project requires substantial annual field observations and experiments in remote Alaskan Arctic locations where researchers maintain an array of approximately 30 field sites," said Shiklomanov. "Data are collected on the temperature, moisture content, and thaw depth of the active layer in permafrost regions of the Northern Hemisphere."

Among those who have made the annual trek with Shiklomanov are post-doctoral scientist **Dmitry Streletskiy**, master's candidate **Ellen Hatleberg**, and undergraduates **Kelsey Nyland** and **Elliot Upin**. Working with professors from the University of Delaware and the University of Montana—as well as researchers from the U.S. Department of Agriculture and NSF's PolarTREC (Teachers and Researchers Exploring and Collaborating) program—the group probed the depth from the tundra ground surface to the permafrost, an area known as the active layer. The depth of this layer can impact the stability of infrastructure, future climate modeling, and exploratory oil-drilling regulation. Data were collected at sites near Nome, Prudhoe Bay, and Barrow, the northernmost city in the United States.

"This research is important because understanding changes at the small scale of the active layer helps us to understand current and potential changes at the large scale of global environmental change," said Hatleberg, who focused on the use of indices and geographic information systems to determine how permafrost coverage and other environmental factors relate to population density, health, and economics in the Arctic.

Back on campus, the students coordinated the inventory and dissemination of the data they collected in Alaska with other participants in the CALM project, which spans over 180 sites in remote areas of the polar region. Hatleberg and Nyland evaluated ground surface temperature for different permafrost landscapes and determined that the mean air temperatures are increasing, resulting in a longer period of thaw for the active layer. Their research was presented at the Association of American Geographers' annual conference in Seattle in April.

"Being able to work in the field was a great experience," said Nyland. "It was a chance to apply and relate to everything that I have been studying in class. I feel extremely fortunate not only to have gone to the Alaskan Arctic but also for the time we spent with other scientists on the team."

Planet Forward TV Special Spotlights Energy Innovation

What happens when you sort through hundreds of videos in search of the best new energy innovations? If you're Planet Forward, you find a start-up company that leases solar panels without a down payment.

That solar panel company, and others, saw the spotlight when Planet Forward—GW's online social network forum for ideas on energy, climate control, and sustainability—launched "The Energy of Innovation" on PBS in April.

Produced by Columbian College's School of Media and Public Affairs (SMPA), the television special singled out seven concepts from among hundreds of online video entries. The show's panel of experts—including former Michigan Governor Jennifer Granholm, *New York Times* "Dot Earth" blogger Andrew Revkin, and DuPont Chief Innovation Officer Tom Connelly—offered feedback to the studio audience, then selected one of two concepts to follow online for the next 12 months. The winning "Planet Forward Innovator" was Danny Kennedy, CEO and founder of Sungevity, for his business project that leases solar panels with no down payment. After the program aired on PBS, the at-home viewing audience and PlanetForward.org website visitors chose a second winning innovator, Jamie Hestekin, whose team at the University of Arkansas is building an algae-to-butanol machine to produce fuel.

"The promise of Planet Forward is to propel new ideas and new voices across new media," said SMPA Director **Frank Sesno**, creator and host of Planet Forward. "Never in all my years of broadcasting have I been involved in an effort so focused on innovation, inquiry, and invention, where the entire program's content originated with game-changing ideas represented in person."

Anyone, from students to government decision makers, can join the thousands of weekly visitors who submit ideas to the web-based community. Undergraduate and graduate students manage Planet Forward's social media outreach—with more than 6,000 Twitter followers—as well as production of its video projects, TV segments, and online content. Sesno teaches a multimedia class that contributes to the website.

"What makes interning with Planet Forward so exciting is that it's technologically on the edge."

SARA SNYDER POLITICAL SCIENCE JUNIOR



Frank Sesno on the Planet Forward TV set

Planet Forward curated a blog on National Geographic's "Great Energy Challenge" website, and video stories from member submissions have appeared on PBS' "Nightly Business Report." *The Huffington Post* featured webisodes with energy experts from Planet Forward.

"What makes interning with Planet Forward so exciting is that it's technologically on the edge," said **Sara Snyder**, a political communication junior interested in video production. "They do a lot of experimentation with new ways to tell stories, and it really pushes me."

Planet Forward, part of SMPA's Center for Innovative Media, has attracted several GW partners, among them the Office of Sustainability and the GW Solar Institute as well as student organizations GreenGW and Food Justice Alliance. Also assisting with the multi-media endeavor are faculty members **Christopher Cahill** from the Department of Chemistry, and **David Rain**, **Melissa Keeley**, and **Lisa Benton-Short** from the Department of Geography.

Driving the Discussion, DISCOVERING NEW INTERESTS



ean's Seminars are a popular part of the Columbian College first year undergraduate curriculum. These semester-long courses explore a range of thought-provoking and, at times, quirky topics meant to stir up robust classroom dialogue. Ever-evolving to stay current and fresh, the seminars enable Columbian students to partner with faculty and uncover new interests.

"The students have to do the heavy lifting," said Professor of History and author of the award-winning book *Brotherhoods of History* **Eric Arnesen**, who taught last spring's "Race, Employment, and Public Policy" seminar. "We talk about what they're interested in, and I expect everyone to participate."

The seminars are small, no more than 19 students, and "preaching from the pulpit" is not encouraged. In Arnesen's course, 12 students pulled up their chairs around a long table, ready to drive the discussion about events leading up to the 1964 Civil Rights Act.

During one such discussion, students talked about the planned African American march on Washington in 1941 for equal employment rights. The march was called off at the last minute when President Franklin D. Roosevelt established the Fair Employment Practice Committee (FEPC). Did the formation of the FEPC change the course of history? Student Emily Schutz and others argued it did because it effectively postponed until 1963 the impact of tens of thousands of protesters converging on the nation's capital to push for basic civil rights.

And what did the professor think? "Some say yes, others say no," noted Arnesen during what turned into a lively debate—the norm for this seminar. "Although the FEPC possesses few enforcement powers, its creation symbolized the federal government's unprecedented stance against employment discrimination and put the issue of employment discrimination on the political map."

WHAT'S FOR LUNCH?

Across town, another non-traditional lesson was unfolding, this one in the lunchroom at John Tyler Elementary in southeast D.C. Associate Professor of Sociology **Ivy Ken's** service-learning course, "The Sociology of Food," took her students to the frontline of the national obesity epidemic.

"The project at Tyler Elementary was designed so that students could interact with school children, observe their lunchtime rituals, and assess the problems and victories that are actually going on there," said Ken, author of the book *Digesting Race, Class, and Gender: Sugar as a Metaphor.* (See faculty books, page 24.) "Most people understand that the food we eat has some basis in nature. But food is also social. The reasons why people eat miso soup for breakfast instead of calamari are sociological as much as they are ecological."

Through a grant from the GW Institute for Sustainability, Ken has conducted extensive research on sustainability-related practices of food-service management companies used by D.C.'s public schools. She linked the companies with the D.C. Farm-to-School Network to gain access to locally grown fruits and vegetables—the kind of foods rewarded by the D.C. Healthy Schools Act, which uses monetary incentives to improve student nutrition.

During the seminar, Ivy Ken's students studied the way elementary kids ate and thought about food. In a hands-on session, they taught the children how to crack an egg and make homemade cookies; in another, they demonstrated how to make lunch boxes of fruit, yogurt, and peanut butter.

"The kids loved the healthy fruits we brought in and were so excited to participate and learn about nutrition when we made food," said student **Riley Kirkpatrick.** "And I now have a much greater understanding of the agricultural industry in our country and the structure of the food industries."



From Refugee to Student Author

an extraordinary journey that took him from a war-torn southern Sudanese village, to a Kenyan refugee camp, to GW student and book author, **Makwei "Joseph" Mabioor Deng** has overcome incredible odds. Now a senior majoring in philosophy and economics—and fresh off an internship with the World Bank—Deng has his sight set on law school and a return to his native country to help bring about change.

"Wars and conflicts are endemic in Sudan," noted Deng, who is attending GW through a scholarship from Banaa, the Sudan Educational Empowerment Network. "I want to replace the battlefield with the courtroom, guns and bullets with legal representation, and open confrontation with negotiation around the table."

Deng is GW's first Banaa scholar, thanks to the efforts of Class of 2008 alumni **Jeffrey DeFlavio**, **Evan Farber**, **Justin Zorn**, and **Neil Padukone**. After raising start-up funds, they began a Banaa Chapter at GW in 2006 as a constructive response to decades of violence and continued impoverishment in Sudan. Philosophy Professor **Paul Churchill** serves as the chapter's faculty adviser. There are now 29 Banaa chapters at universities across the country, and Deng, who was selected from a pool of 177 applicants, attends GW on a full scholarship.

Banaa seeks to end mass atrocities by training a new generation of "peacemakers." As a Banaa scholar, Deng is expected to return to the Sudan, commit to public service, and use his skills and resources to promote reconciliation and sustainable development. Deng got a head start on that commitment to his country with the publication of a lavishly illustrated book he wrote the summer after his freshman year.

Drawing on his experiences as a former teacher in refugee camps and motivated by the need to preserve the endangered language of the Dinka—his native tongue—Deng's book serves as both grammar guide and lexicon. Although spoken by some three million people, many of whom are pastoralists, there are few materials for teaching Dinka as a written language. The book is meant to help transition Dinka from oral words to a standardized written language.

"Advising and teaching Joseph has been truly inspiring," said Churchill, who is striving to bring Deng's book to the attention of linguists and cultural anthropologists. "I am extremely proud of the students and the administration for making it possible for the Banaa scholarship program to continue at GW."

scholarship

A Question of Faith

New Books Examine the World's Major Religions



A re Jewish texts inherently violent or peaceful? How did Calvinists deal with the intellectual challenges of the Enlightenment? How has the ancient concept of Dharma evolved and developed over the past 2,300 years? What is the role of women in Islamic culture?

Five Columbian College professors make important contributions to our understanding of the world's great religions through a series of books published over the past year. Each serves to illuminate the underlying framework and development of Buddhism, Christianity, Hinduism, Islam, and Judaism.

"When taken as a whole, these books reflect a remarkable breadth of scholarship during a time when issues revolving around faith and one's religious beliefs have become part of daily dialogue on a global level," said **Dewey Wallace**, professor and former chair of the Religion Department. "This scholarship enriches the classroom experience and enhances the understanding of the world's religions, past and present."

Wallace's book, *Shapers of English Calvinism*, 1660-1714: Variety, Persistence, and Transformation, explores the work of prominent and influential English Calvinist thinkers in the years immediately following the Restoration of the monarchy in 1660. He contests several conventional ideas about Calvinism, including beliefs that it was anti-mystical, rejected natural theology, and was harshly predestinarian. Wallace also questions whether Calvinism was eliminated from the Church of England by the end of the 17th century. Through careful examination of writings by theologians of the period, Wallace demonstrates the diversity and later influence of Calvinist thought and doctrine.

In *The Peace and Violence of Judaism: from the Bible to Modern Zionism*, Professor of Religion **Robert Eisen** provides the first comprehensive analysis of Jewish views on peace and violence. He examines the texts of five major areas of Judaism—the Bible, rabbinic Judaism, medieval Jewish philosophy, Kabbalah, and modern Zionism—and demonstrates how, throughout its history, Judaism has consistently exhibited ambiguity regarding peace and violence.

Professor of Religion and History Alfred Hiltebeitel's scholarship in Buddhism and Hinduism comes into focus in *Dharma: Its Early History in Law, Religion, and Narrative*, which investigates the implications of Dharma in politics, religion, law, literature, ethics, and philosophy. A concept central to Buddhism and Hinduism, Dharma is defined as natural law or a person's moral calling. Hiltebeitel's in-depth analysis depicts Buddhism's tendency to present Dharma as a type of civil discourse, challenging people to think critically, or at least more creatively, about their ethical principles and the foundations of their own spiritual values.

The repercussions of upheaval within the Islamic world are explored in Islam in the Modern World: Challenged by the West, Threatened by Fundamentalism, Keeping Faith with Tradition by Seyyed Hossein Nasr, University Professor of Islamic Studies. Nasr describes and defends traditional Islam against critics inside and outside the faith. He explores the religion and its global relevance with a focus on the West's concerns about holy war, women's roles in Islam, the rise of fundamentalism, and the future of Shi'ism in Iran.

Assistant Professor of Religion and Women's Studies **Kelly Pemberton** also examines a facet of the Islamic faith in her book, *Women Mystics and Sufi Shrines in India*. She combines her



"These books reflect a remarkable breadth of scholarship during a time when issues revolving around faith and one's religious beliefs have become part of daily dialogue on a global level."

Dewey Wallace Professor of Religion

firsthand research on India's Sufi shrines with historical data to investigate women's participation in the Sufi orders. Pemberton reveals the ambiguities in Islam's foundational framework for belief and practice by juxtaposing the religion's explanations for why women cannot serve as spiritual masters with the Sufi cultural need for them to act as such.

Pemberton's perspective, and that of her colleagues, reveals the breadth of knowledge used to engage students in the examination of the world's religions. From the abstract to the concrete, faculty members are exploring with their students the difficult questions relating to culture, spirituality, and moral codes and the impact of each on today's contemporary society.



GEOSCIENTIST RESEARCHES WAYS TO REDUCE GREENHOUSE GAS

Egases are unfolding on many fronts. One—the capture and storage of carbon dioxide (CO₂)—is the focus of research by **Henry Teng**, an associate professor of chemistry and geosciences and director of Columbian College's Environmental Resource Policy Graduate Program.

Teng, a geochemistry specialist, studies the chemical makeup of natural environments, in particular, carbonate mineralization in the presence of other minerals. What he learns about the fixation process in natural environments can impact the feasibility of carbon sequestration, or the capturing of carbon dioxide for storage. For example, in carbon sequestration, CO₂ is collected as it comes out of an industrial smokestack and is "stored" by injecting or channeling it into geological formations.

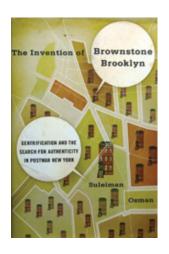
"As global warming gets more and more attention these days, carbon capture and sequestration research is quickly becoming an international effort," said Teng. "Currently, I am collaborating with Chinese colleagues on carbon and mineral sequestration research so that CO, is not accumulated in the atmosphere."

Teng and his research partners are exploring China's CO₂ storage capability in the ultramafic and mafic rocks found in the Earth's crust. They are also studying and designing an on-site mineral carbonation strategy to remove CO₂ from flue gas. China's Ministry of Land and Natural Resources and the Ministry of Science and Technology are funding the research.

"The collaboration has been carried out mainly in China where there is a pretty big group—half a dozen students and three faculty members—working on it," said Teng.

In addition to greenhouse gas mitigation, the Environmental Resource Policy Program engages students across disciplines on research involving combustion chemistry, urban environmental management, land-use planning, and the environmental services provided by urban vegetation, urban geography, economics and public policy, tax and fiscal analysis, and microeconomics. Armed with research grants from the U.S. Department of Energy and other agencies and based in a location where environmental policy is created, Teng believes the program is well positioned to train the next generation of leaders in environmental science.

Selected **NEW BOOKS** by Columbian College Faculty

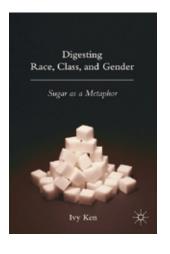


Invention of Brownstone Brooklyn

The transformation of Brooklyn from an industrial slum to a landscape of hip bars, yoga studios, and expensively renovated townhouses was one of the most striking developments in recent urban history. In *The Invention of*

Brownstone Brooklyn: Gentrification and the Search for Authenticity in Postwar New York, Assistant Professor of American Studies Suleiman Osman traces the origins of Brooklyn's gentrification to the cultural upheavals of the 1960s and 1970s. That era spawned a grassroots movement led by young white idealistic college graduates searching for "authenticity" and alternatives to the burgeoning suburbs. While postwar city leaders championed slum clearance and modern architecture, self-proclaimed "brownstoners" pushed a romantic urban ideal that celebrated historic buildings, industrial lofts, and traditional ethnic neighborhoods. Osman examines the emergence of a "slow-growth" progressive coalition as these brownstoners joined with poorer residents to battle city planners and politicians. But as more and more people migrated into poorer areas, race and class tensions emerged, setting up a debate that continues today about whether the transformation was a success or failure.

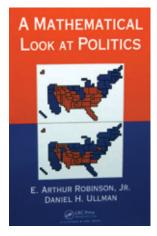




Digesting Race, Class, and Gender: Sugar as a Metaphor

How do we use race, class, and gender to organize our own lives and those of people around us? These organizing mechanisms both hinder and foster the social organization of society. *Digesting Race, Class, and Gender* seeks to illustrate

these identities through the same mechanisms of food production, mixing, and digestion. Just as one food shapes the molecular structure and sensory perception of another in both the field and in the mixing bowl, the "foods" of race, class, and gender are dynamically linked with one another and have implicit effects on the shape and framework of our social order. Instead of focusing on the understanding of race, class, and gender, this book, written by Associate Professor of Sociology Ivy Ken, focuses on the "digestion" and breakdown of these social elements within individuals and society.



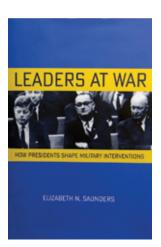
A Mathematical Look at Politics

There are many recent examples of the impact of mathematical thinking on the political world. Just look at Ralph Nader's spoiler role in the 2000 presidential election, the 1990 lawsuit that challenged the method for apportioning seats in the U.S. House of Representatives, or the

nation's unsuccessful application of game theory to the Cold War. These examples raise important questions about the American



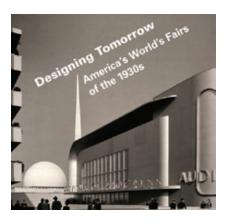
political system. In A Mathematical Look at Politics, Professors of Mathematics Arthur Robinson and Daniel Ullman seek to address these issues while providing students with a more interesting approach to learning quantitative reasoning. Students are asked to not only make computations but also to state results, prove them, and draw conclusions about specific examples. Tying the liberal arts classroom to real-world mathematical applications, the text is more deeply engaging than a traditional general education book that surveys the mathematical landscape. It aims to instill a fondness for mathematics in a population not always convinced that mathematics is relevant.



Leaders at War

One of the most contentious issues in contemporary foreign policy is the use of military force to intervene in the domestic affairs of other states. In *Leaders at War: How Presidents Shape Military Interventions*, Assistant Professor of Political Science and International Affairs **Elizabeth N. Saunders** provides a framework for understanding when

and why great powers seek to transform foreign institutions and societies through military interventions. She highlights a crucial but often-overlooked factor in international relations: the role of threat perceptions by individual leaders. These perceptions affect the degree to which leaders use intervention to remake the domestic institutions of target states. Using archival and historical sources, Saunders concentrates on U.S. military interventions during the Cold War, focusing on the presidencies of Eisenhower, Kennedy, and Johnson. After demonstrating the importance of leaders in this period, she also explores the theory's applicability to other historical and contemporary settings, including the post-Cold War period and the war in Iraq.



Designing Tomorrow: America's World's Fairs of the 1930s

In the midst of the Great Depression, America's World's Fairs of the 1930s gave hope to millions, sustaining attendees with visions of future progress. These grand expositions in Chicago, San Diego, Dallas, Cleveland, New York, and San Francisco showcased an optimistic, consumerist future society and symbolized the Modernist message of progress through design. *Designing Tomorrow* celebrates the influence and impact of these international expositions. Edited by Assistant Professor of Museum Studies Laura Burd Schiavo, the book offers an overview of the fairs and detailed discussions of individual works, including how designers reconciled radical "European" Modern style with American tradition. Essays by noted authors illuminate the ways in which Modernism became an integral component of the vocabulary of American design. The book also highlights the visual power of the expositions, featuring rare artifacts and photographs of objects, including models and plans for "the houses and cities of tomorrow," streamlined trains, modern furnishings, and the first televisions. Designing Tomorrow accompanied a first-of-its-kind National Building Museum exhibit curated by Schiavo.

Research Briefs

DIFFERENCES BETWEEN BRAINS OF HUMANS AND CHIMPS LINKED TO AGING

himpanzees, the closest living relatives to humans, diverge from humans when it comes to aging. They do not experience a decrease in brain volume as they get older like humans do, according to a recent study led by Associate Professor of Anthropology Chet Sherwood.

Researchers used magnetic resonance imaging (MRI) on a sample of 99 chimpanzee brains ranging from 10 to 51 years of age. They measured the volume of the whole brain and numerous specific internal structures. These data were compared to brain



structure volumes in 87 humans ranging from 22 to 88 years of age. Measurements of the neocortical gray and white matter, frontal lobe gray, and white matter and the hippocampus—the area responsible for encoding new memories and maintaining spatial navigation—were performed.

"Although other animals experience some cognitive impairment and brain atrophy as they age, it appears that human aging is marked by more dramatic degeneration," said Sherwood. "What's really unusual for humans is the combination of an extremely long life and a large brain. While there are certainly benefits to both of these adaptations, it seems that more intense decline in brain volume in the elderly of our species is a cost."

ASSESSMENT FACTORS MAY IMPACT ESTIMATES ON AUTISM NUMBERS

utism may be more common worldwide than current figures suggest—mostly because of cultural factors that may affect diagnostic practices and prevalence estimates, according to a study by Professor of Anthropology and International Affairs

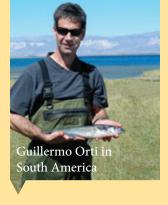
Richard Grinker and researchers from Yale University.

Funded by Autism Speaks in partnership with Columbian College's Institute for Ethnographic Research, the study revealed that 2.6 percent of children ages 7 to 12 in a South Korean community had autism, equivalent to 1-in-38 children.

Unlike studies carried out by the Centers for Disease Control and Prevention, which analyzed records and registries, the researchers attempted to assess each child in every school, even those who did not have a record of any diagnosed special education need. This method unmasked cases that could have gone unnoticed by epidemiologists relying on a records-based approach.

"While this study does not suggest that Korean children have more autism than other populations or that a more accurate rate for the U.S. is closer to 2.64 percent, it does suggest that autism may be more common than previously thought," said Grinker.

"This research powerfully demonstrates that the methods one uses to study prevalence will profoundly influence the estimate."



A PASSION FOR FISH

uillermo Orti's passion for fish—in particular the evolution of the piranha and its myriad species—has led him to explore remote regions of the world, including the Brazilian Amazon. Highlights of his most recent trip into the rainforest aired in May on the National Geographic Channel in a TV special about the mega-piranha, a creature that existed millions of years ago.

The specimens collected on this expedition and others open the door to years of analysis by Orti, a Louis Weintraub Associate Professor of Biology, and other researchers. Orti's work is part of the massive, multi-institutional Tree of Life initiative funded by the National Science Foundation to decipher and map the evolutionary relationships among all 1.7 million species of life on earth. In examining the evolution of piranhas and other fish, Orti focuses on the structure of their DNA molecules, a process called molecular systematics. His expeditions in South America piranhas only live east of the Andes—involve collecting and dissecting thousands of fish.

"We know there are a lot of species that haven't yet been described in this region," said Orti. "We're collecting everything we can put our hands on. It's estimated there are about 80 species of piranha, but the expeditions also collect hundreds of other types of fish.

ONLINE LOCAL NEWS LESS POPULAR THAN PERCEIVED

nline local news sources are not filling the void created by shrinking newspaper organizations, according to "Less of the Same: The Lack of Local News on the Internet," a study by Assistant Professor of Media and Public Relations Matthew Hindman. The report disputes the assumption that online outlets have expanded the amount of local news coverage beyond that of traditional newsrooms. Most local online outlets are outposts of newspapers and television stations and traffic to these sites is relatively small compared to that of national news sites.

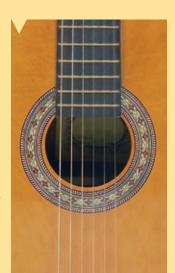
"Understanding the local news landscape online has profound implications for policymakers, journalists, and local self-governance in the 21st century," said Hindman, whose report was based on web traffic data from comScore, an Internet marketing research company. The data examined the 100 largest U.S. broadcast markets.

\$1.92 MILLION GRANT TO ADVANCE WORK IN NUCLEON RESONANCE

he GW Institute for Nuclear **Studies Data Analysis** Center, part of the Columbian College, has been awarded a three-year renewal grant of \$1.92 million from the Department of Energy (DOE) Office of Nuclear Physics. The award, which is nearly double the previous three-year amount and the highest single principal investigator research grant in DOE's Medium Energy Program, will fund the institute's ongoing work in nucleon resonance phenomena.

Resonance is the effect of adding a precise amount of energy to a system to raise it to a higher energy state.

Because quantum physics dictates that nucleons are wave-like, they have a set of resonant frequencies that may be excited like more familiar objects, such as a guitar string. The harmonic frequencies of a guitar string are determined by



the material from which the string is made. Similarly the harmonic frequencies of a proton are related to its constituents. Exciting those harmonics provides a wealth of information about its structure and reaction properties.

Much is understood about neutrons and protons, together called 'nucleons', which make up most of the visible matter of the universe. But a description of nucleons in terms of their constituents (quarks and gluons) remains incomplete. Using advanced techniques of experimental, theoretical and phenomenological nuclear physics, the institute's team of researchers led by Professor of Physics William J. Briscoe—has made significant progress in understanding the phenomenon of nucleon resonance. Their work is part of a renaissance in nuclear reaction theory, ushered in by a new generation of operating and planned precision experiments.

TECHNOLOGY TO ANALYZE BODY MOLECULES GOES COMMERCIAL

W's Vertes Research Group, led by **Akos Vertes**, professor of chemistry, biochemistry, and molecular biology, is collaborating with Protea Biosciences, a leading developer of new bioanalytical technology, to offer the industry's first commercial bioanalytical services using laser ablation electrospray ionization mass spectrometry (LAESI-MS) technology.

Invented and developed by Vertes, founder and co-director of GW's W.M. Keck Institute for Proteomics Technology, LAESI-MS is a breakthrough technology used for identifying proteins, peptides, lipids, metabolites, and other biomolecules directly from cells, tissues biofluids, and any other sample that contains water content. This technology has the potential to support a broad range of applications in the fields of pharmaceutical and biological research, surgical and molecular pathology, clinical diagnostics, chemical and biological defense, forensics, agriculture, food process monitoring, and many others.

"When new drugs are developed, the company, as well as the regulators, needs to know where in the human body the pharmaceutical candidate and its breakdown products end up," said Vertes. "This process is known as the absorption, distribution, metabolism, and excretion (ADME) analysis. Because LAESI-MS can quickly and directly analyze very small samples of bodily fluids, as well as directly image tissue samples, it is ideal for performing ADME analysis."

Lotto Winners Donate \$1.1 Million to Fund Scholarships for Political Science Students

The Gift of Education

After winning California's MEGA Millions jackpot lottery last year, political science alumnus **Gilbert Cisneros**, BA '94, and his wife, Jacki, are giving back with a \$1 million gift to establish a need-based scholarship endowment for Columbian College undergraduate students, and an additional \$100,000 to GW's Yellow Ribbon Program in support of veteran education.

"We are delighted that Gilbert has decided to give back to his alma mater through the Cisneros Scholarship Fund," said Columbian College Dean **Peg Barratt**. "He and Jacki have translated their good fortune into a generous gift that will help generations of students to achieve their academic dreams. On behalf of those who will benefit, I applaud their thoughtful philanthropy."

In creating the scholarship endowment, the Cisneros' specified that preference be given to students majoring in political science who have a demonstrated interest in Hispanic history and culture. Their goal: to give students who are in financial need the same educational opportunities that they enjoyed.

Gilbert Cisneros, BA '94, and his wife Jacki Cisneros

"This is something that I always dreamed of being able to do if I got the chance," said Cisneros, who also serves on the Dean's National Council for the Arts and Sciences. "It's great to be able to give some students... the chance to study politics in the heart of the nation's capital."

"My husband is Hispanic and I'm half-Hispanic, so we wanted to help create more opportunities for those students," added Jacki Cisneros. "We had always talked about the stuff that we would do if we ever could, and it seems fitting to give back now that we're able to. For us, it's about being able to make a real difference."

The couple's additional \$100,000 gift to the Yellow Ribbon Program was inspired by Gilbert Cisneros' military service. He received a scholarship to GW through Navy ROTC and served in the U.S. Navy for 10 years as a supply corp officer.

The couple will continue to support educational initiatives through the Gilbert and Jacki Cisneros Foundation. The new foundation seeks to improve the chances of students attending college by reaching out to them at the middle-school level.

"These gifts are just part of an ongoing process," Gilbert Cisneros said. "We've had this great gift bestowed upon us and we feel blessed to be able to turn around and help others. Education can be a life-changing experience that no one should miss."



STILL CRAZY (FOR GW AND EACH OTHER) AFTER ALL THESE YEARS

For the Nadlers, It's All about Giving Back

the National Christmas Tree. Forty years later, the GW grads—long married to one another—were back on campus. Since graduating from Columbian College in 1974, Jerry and Judy Nadler have carved out successful careers, raised a family, and become active donors and volunteers at their alma mater. Earlier this year, the California residents returned to revisit the site of their first date, lunch with Columbian College Dean Peg Barratt, and talk about what makes them such strong advocates of the GW experience.

"It feels like we're coming home," said Jerry at the time of the visit. "We can't remember what we had for breakfast, but we remember vividly the things that what we did in college." On campus, Jerry Nadler and the former Judy Shasky worked together on GW's *Cherry Tree* yearbook. Jerry served as co-chair of the Columbian College Faculty-Student Council, created the Resident Hall Association, pushed a referendum to reinstate student government, and sat on the committee to design the Charles E. Smith Center.

"There's not much difference between college politics and real politics," said Jerry, now a superior court judge in Santa Clara. "Those four years in student politics really helped me cut my teeth on how the process works. The heated debate with faculty and students dealing with nepotism and cronyism . . . it all was a great experience for later in life."

Judy joined the Kappa Alpha Theta sorority and created a program that paired student mentors with new students from or near their hometowns. The mentors showed students around campus, much like the present day Colonial Inauguration experience. Off-campus, Judy took advantage of GW's connections with D.C. institutions. A journalism and public policy student, she interned on Capitol Hill, at National Geographic, and with consumer advocate Ralph Nader and Chairman of the House Ways and Means Committee Al Ullman (D-OR).

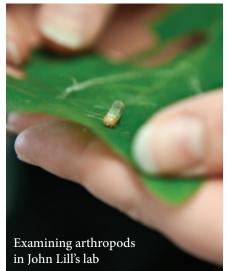
"When I graduated, I had a resume," she said. That resume helped her as a student at Harvard's John F. Kennedy School of Government and again when she kicked off a successful career as a journalist. In recent years, she served as mayor of Santa Clara and is now a senior fellow in government ethics at Santa Clara University.

Through it all, the Nadlers have remained committed to Columbian College and GW. They participate in alumni events and help recruit West Coast students to attend their alma mater. And they contribute to the university's Annual Fund and the Ron Howard Fund to support students and programs.

"GW is, and will always be, a very special place in our hearts and minds," said Jerry. "Our education and internships have shaped our careers."

"If you want to sit around in your dorm, I suggest you go to another university," added Judy. "Anything you want to do you can do here, from politics and journalism to the arts and health. It truly is a complete education."

alumni and friends





Alumnus' Philanthropy Looks to

New Generation of Scientists

Harlan Trust's Initial
\$1.35 Million Gift
Enhances Biology
Programs

Activity on university campuses usually slows a bit during the lazy days of summer. That was not the case in GW's Bell Hall where, during the record heat wave, you would have found senior biology majors **Stephanie Spivack** and **Kimia Ramezani** peering through a microscope while injecting flies with bacteria; junior **Kevin Doré** reaching into an aquarium of spiny sea urchins for his research on serotonin receptors; and PhD students **Jesus Ballesteros**, **Thiago Moreira**, and **Ligia Benavides** describing new species of spiders and constructing evolutionary trees.

They were part of a group of biology students on summer research stipends thanks to the Wilbur (Bill) V. Harlan Scholarship Trust, which was established in 2009 through a \$9 million bequest from his estate. Harlan, who died in 2006, received a bachelor's degree in botany from GW in 1935 and briefly served as a lab instructor in the department. (Botany is now part of the Department of Biological Sciences.) The Harlan Trust provided an initial \$1.35 million gift last fall to support the construction of a state-of-the-art greenhouse in the new Science and Engineering Hall (*see story, page 4*) and fund merit-based scholarships for biology students. The summer stipends are also funded through the trust.

"These students are the next generation of scientists," said **Diana Lipscomb**, chair of the department and the Robert L. Weintraub Professor of Biological Sciences. "The research experience gives our undergraduate and graduate

"BILL HARLAN WAS AN ACCOMPLISHED MAN WHO NEVER FORGOT HIS YEARS AT GW."

DIANA LIPSCOMB
PROFESSOR OF BIOLOGICAL SCIENCES

students a connection to how new knowledge and theories are created, and projects often result in published articles by students in scientific journals or presentations at major scientific meetings."

Working with faculty advisers, students conducted research on topics ranging from the molecular biology of diabetes to the ecological interaction between plants and the insects that feed and live on them.

Junior Ariel Stein, for example, worked with Louis Weintraub Associate Professor of Biology Guillermo Orti on the evolution of catfish in fresh and salt waters, comparing DNA strands of Australian samples. She delved into the Smithsonian Natural History Museum's fish collection—which boasts more than 19,000 specimens—and spent many of her summer days inside the museum's warehouse extracting samples from catfish indigenous to different waters around the globe.

"Catfish are extremely diverse morphologically and molecularly," said Stein. "Through our research, we hope to understand more about their lineage."

In D.C.'s Rock Creek Park, **Michelle Sliwinski**, a junior majoring in biology and minoring in political science, collected white oak leaf samples while researching the effects of forest fragmentation size on the diversity of leaf-tying caterpillar species and the greater arthropod community. Back on campus, in Associate Professor of Biology **John Lill's** lab, Sliwinski raised caterpillars and moths to study their behavior in a controlled setting. She shared lab space and worked in tandem with two PhD students: **Elisha Sigmon**, who researched the interactions of insect communities living on plants, and **Mariana Abarca Zama**, who explored the impact of global warming on the life cycle of butterflies and moths.

Other summer projects included junior Jeremy Carroll's examination of honey bee health as it relates to toxic agents; senior biology major Sarah Palsen's examination of how cells heal wounds; and research by graduate students Karen Poole and Jordan Chapman who work with Associate Professor of Biology Catherine Forster on ornithopod dinosaur's functional anatomy and feeding biology.

"The Harlan students certainly added to the vibrancy of the research environment in the Biology Department this summer," said **Robert Donaldson**, undergraduate advisor and professor of biology. "Because of their in-depth experience with the techniques, concepts, and field research,

many of them will continue to work on their projects in upcoming semesters."

As to Bill Harlan, he began a career teaching English in Kabul, Afghanistan, in 1938 at the advice of his former botany professor. During World War II, he served as an instructor and a medical officer in Asia. He later became an agricultural specialist with the U.S. Department of Agriculture, which provided him the opportunity to reside in Bolivia, Ecuador, Turkey, and Honduras. After retiring, he continued his travels and lived in Europe for nearly 10 years. In 2001, he wrote *Looking Back at My Life*, a memoir of his remarkable life.

Partnered with his commitment to give and his life-long interest in science, Harlan's strong belief in the power of education motivated his bequest to fund scholarships.

"Bill Harlan was an accomplished man who never forgot his years at GW," said Lipscomb. "As a department, we are so grateful for his foresight in ensuring today's students also get immersed in biological research and have the opportunity to explore the natural world using cutting-edge scientific methods."



Briefs



A GIFT OF HISTORIC SIGNIFICANCE

lbert H. Small has donated to the university his unparalleled collection of memorabilia documenting the rich history of Washington, D.C. The Washingtoniana Collection —which includes maps, letters, rare books, drawings, prints, and photographs—will be permanently displayed in the 156-year-old Woodhull House adjacent to the to-beconstructed GW Museum on the Foggy Bottom Campus. An additional \$5 million gift from Small will support the renovation of the Woodhull House and construction of the new museum. In addition to the general public, faculty and students involved in the study of history, geography, and American studies will particularly benefit from this remarkable collection of artifacts.

ALUMNI RECOGNIZED FOR OUTSTANDING ACHIEVEMENT

he Alumni Achievement Award is the highest form of recognition given by the university and the GW Alumni Association to alumni on an annual basis. Recipients are recognized for their lasting impact on society though outstanding professional, voluntary, or philanthropic accomplishments. Among the five recipients chosen this year from a field of more than 50 nominees, three received degrees from Columbian College. They are:

 Sherri Rose, BS '05, NSF mathematical sciences postdoctoral research fellow and author (recipient of the Recent Alumni Achievement Award);

- Leonard Wartofsky, BS '59, MS '61, MD '64, MPH '95, chairman of the Department of Medicine at the Washington Hospital Center; and
- Mary Margaret Whipple, MA '69, Virginia state senator, 31st District.

The other 2011 recipients are **Roslyn Brock**, MS '89, chairman of the National Board of Directors for the NAACP; and **Bruce Sewell**, JD '86, senior vice president, general counsel, and secretary of Apple, Inc.



DOCTOROW'S VISIT BRINGS LITERATURE TO LIFE

ewish Literature Live, a unique course that brings prominent Jewish American authors to the classroom to interact with students, snagged another award-winning writer to lead a class discussion: Pulitzer Prize finalist E.L. Doctorow. Established in 2009 through the generosity

of English alumnus **David Bruce Smith**, BA '79, Jewish
Literature Live also hosted
visits by literary critic Adam
Kirsch and novelist Steve Stern,
among others. "One of the
beauties of the course is that
each author's visit brings an
entirely new experience to
everyone involved," said
Professor of English Faye
Moskowitz, MA '79, a
prominent author in her
own right.

ENDOWED SCHOLARSHIP HONORS BELOVED CHEMISTRY PROFESSOR

n endowed scholarship named in memory of the late David Glover Whitea beloved professor and graduate student advisor in the Department of Chemistry from 1953 to 1994—has been established by the estate of his wife, Majorie W. White, who died in 2010. The bequest, which exceeds \$725,000, will support graduate chemistry students in recognition of David White's dedication to his students. "Our department is quite honored by this gift in memory of our esteemed colleague," said Michael King, chair of the Department of Chemistry. "David was a caring teacher and strong

advocate for our graduate program. Given the care and diligence that he expended advising and administering to the needs of our graduate students, it is most appropriate that he be remembered with this legacy."

BEQUEST TO ADVANCE WOMEN'S STUDIES

lara Schiffer, MA '39, a tireless advocate for women's rights who passed away in April 2009 at the age of 97, left a \$100,000 bequest to Columbian College's Women's Studies Program to create The Clara Schiffer Project on Elder Women and Health Care Policy. The gift will support a visiting scholar and a Clara Schiffer Fellow each year for three years.

"Her generosity will make it possible for our students and scholars to continue making a difference in the lives of women and girls," said **Daniel Moshenberg**, director of the Women's Studies Program and associate professor of English. "That was Clara's daily ambition and it is a part of her legacy. She was a woman of unwavering determination and compassion in the area of social and legal rights for women—a true change maker."

ALUMNUS HONORS FATHER WITH CONCERT SERIES

nspired by his father's love of music, Peter Yeskel, BA '71, an emeritus member of Columbian College's National Council for Arts and Sciences, has established a fund to support a concert series hosted by the Department of Music. Stanley Yeskel, who died in 2002, enjoyed playing the piano; however, he never had the opportunity to pursue music professionally. "It would make my father smile if he thought he was helping kids do what he was unable to do," said Peter Yeskel. The first Stanley Yeskel Memorial Concert performance took place this fall when Lithuanian pianist leva Jokubaviciute came to GW to perform—playing on a new Steinway piano given to the university by an anonymous donor. Another concert will be held this spring when violinist Miranda Cuckson comes to perform in Jack Morton Auditorium.





FELLOWSHIP MEMORIALIZES PIONEER IN SPEECH TECHNOLOGY

arriet Green Kopp (1917-2007) was a pioneer in the development of visible speech technology to assist deaf individuals with their communications skills. In honor of Kopp's memory, her niece, Kathryn Green, BA '77—a member of Columbian College's National Council for Media and Public Affairs —has established the Harriet Green Kopp Graduate Fellowship in Speech and Hearing Sciences through a generous gift. The fellowship supports an annual award in the Department of Speech and Hearing Sciences for graduate students planning to work with deaf and hard-of-hearing clients.

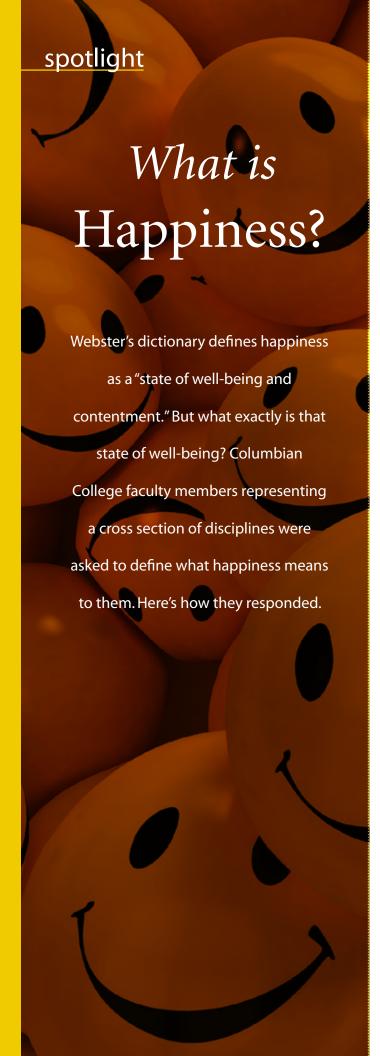
ALUMNI MEET \$100,000 DONOR CHALLENGE

The closing days of 2010 brought great news with regard to alumni giving. Thanks to the generosity of more than 9,000 alumni during the

calendar year, the university surpassed its end-of-the-year alumni donor challenge and received a \$100,000 matching gift from an anonymous alumnus. The donation was designated to support the Power & Promise Fund, a university-wide fundraising initiative to provide financial aid for undergraduate and graduate students. The successful challenge illustrated the collective power of gifts, no matter the size, in making a difference in the lives of students.

FIVE COLUMBIAN COLLEGE ALUMNI JOIN BOARD

ive Columbian College alumni—Vikram Bakhru,
BA '01; Jacqueline Hackett,
BA '08, MPP '10; Joshua
Hiscock, BA '03; Hsiao Liu,
BA '98; and Lloyd Winans, BA '83—have been named to the
GW Alumni Association Board of Directors. The board works collaboratively with the Office of Alumni Relations to engage fellow alumni and create a culture of support through service and philanthropy.





"Happiness is an energizing state of well-being that empowers a person to undertake good works in the world. For me, happiness stems from enjoying a close, loving relationship with my children, other loved ones, friends, students and colleagues, and making useful contributions to them and to our broader community. My hope is that happiness is contagious and that the composite of our useful contributions enriches the lives of people in communities across the world."

Kathryn Newcomer Director, The Trachtenberg School of Public Policy and Public Administration



"Happiness is the absence of regret, acceptance of how matters are, finding that the things you have to do are the things you'd want to be doing anyway. Good family, good food, a Scrabble board, a soccer ball, making music or mathematics with friends."

Daniel Ullman

Professor of Mathematics

Associate Dean for

Undergraduate Studies



"A critical component of happiness is a strong sense of fairness, justice, and equitable access to whatever amenitiestangible or intangible, psychological or concrete that are generally available in a community. In the book The Spirit Level, the authors examine various measures of well-being (e.g. mental and physical health, educational performance, crime rates) in the U.S. and in other developed western nations. They found that income level does not impact these measures but inequality is a major predictor. That is, it is not the absolute level of money and other resources that determine well-being; rather, it is unequal distribution of them. Given these dynamics, the increasingly imbalanced distribution of income and wealth over the past 30 years among industrialized nations suggests that levels of happiness have not improved much, if at all. And, the increasingly acrimonious nature of our politics may be symptomatic of rising discontent." Gregory Squires Professor of Sociology and of

Gregory Squires
Professor of Sociology and of
Public Policy and Public
Administration



"In many of the world's religious traditions, happiness is focused less on how one feels and more on how one acts and perceives the world. Typically, the first step toward happiness is the recognition that perceptions do not represent ultimate reality. The second step comes from living in accordance with the true reality that one has discovered (or that has been revealed). In the western religious traditions of Judaism, Christianity, and Islam, this means living according to the will of a just and merciful deity rather than according to societal practices or one's own desires. For example, the earliest Christian writings describe those who are happy as those who are merciful, who make peace, who are pure of heart, and who stand up for justice.

These traditions—whether we are religious or not—teach us that the mania of everyday life does not necessarily represent the entirety of our reality. We should periodically step back, reflect on our true values and those things that really matter to us, and live accordingly. Viewed in this way, happiness is not a warm and fuzzy feeling but instead a way of living one's life."

Paul Duff Professor of Religion



"Happiness is the ability to self-actualize, to move forward without fear. The first day of every class I teach, I ask my students to visualize their greatest dreams. I then go on to say that no dream becomes a reality without first letting go of fear-the fear of familial and societal judgment, the fear of failure, the fear of loss, the fear of the unknown. To me, happiness is that joyous leap of faith that propels us beyond doubt in order to live out our desires."

Dana Tai Soon Burgess Chair, Department of Theatre and Dance



"Happiness is sitting at the kitchen table with my wife, reflecting on a day of hard work, saying goofy things, leaving cares behind for the evening, cracking open a good bottle of wine, and deciding which episode of NCIS we'll watch. I'll refrain from defining it; I'd rather just embrace it." Christopher Cahill

Professor of Chemistry



"Being a student of 18th-century literature, I thought immediately of Samuel Johnson's Rasselas, in which the prince leaves his pampered and stultifying life in the Happy Valley to search the world for true happiness. Everywhere he goes, his initial conviction that he has at last found the secret becomes another disillusionment. The party people in Cairo are masking mindlessness with performative cheer; the rich landowner says his appearance of happiness is delusive, for he lives in fear of jealous competitors; the happy hermit suddenly resolves to return to society; neither the married nor the single are happy because 'marriage has many pains, but celibacy has no pleasures.' Eventually, the prince and his party return to Abissinia, determined to make their own happiness. So perhaps that's the answer: happiness is what you make for yourself and give to others, being neither situational nor a given, neither an entitlement nor a permanence."

Tara Wallace Professor of English Associate Dean for Graduate Studies



"In many ways, this is a strange time to be ruminating about *happiness* because of what's happening in the world around us: global economic upheaval, soaring unemployment, famine, war, and civil unrest among an underclass that feels systemically dispossessed. But, then again, perhaps this is the perfect time to engage in a conversation about redefining happiness altogether.

In her 2011 Commencement address at Rutgers University, Nobel Prize Laureate Toni Morrison challenged young people to reshape their dreams of individual happiness into visions of collective well-being: 'I know that happiness . . . informs your choice of companions, the profession you will enter, but I urge you: please don't settle for happiness. It's not good enough. . ..[for] personal success devoid of meaningfulness, free of steady commitment to social justicethat is more than a barren life, it is a trivial one. It's looking good instead of doing good.'

Like Morrison, I suggest happiness become a synonym for a commitment to the work of justice. It is that work that makes all other sources of happiness—love, children, a good book, dancing, a walk in the woods just as the autumn leaves are peaking—sources that are both ordinary and extraordinary, that much richer."

Jennifer James Director, Africana Studies Program

spotlight



"Happiness is having work to do that I enjoy and that brings value to other people's lives. That and having the love of family and friends makes me happy.

Also, as an avid horseback rider, I believe Winston Churchill said it best: 'There's something about the outside of a horse that is good for the inside of a man.'"

Randall Packer

Professor of Biology

Associate Dean for Special Projects



"This is an inquiry into the very nature of human reality because one must have experienced happiness in order to be able to define it. However, as Plato noted, to believe one is happy is not the same as actually being happy. Appearances are often belied by reality. Over the centuries, the question of happiness has spawned much debate among philosophers. For example, is happiness a qualitative or quantitative phenomenon or perhaps some mixture of the two? While early utilitarians, such as Jeremy Bentham, argued that "units of happiness" could be ascribed to different types of activities that result in pleasure or pain (more pleasure = more happiness, more pain = more unhappiness), his successor, John Stuart Mill, insisted that happiness requires qualitative analysis, for 'it is better to be a human being dissatisfied than a pig satisfied.' Mill suggested that Socrates' lifelong search for truth and knowledge, even if ultimately unfulfilled, yields a genuine, lasting form of happiness that can't be compared to the more fleeting, sensory happiness of the pig (or person) who has just enjoyed a good meal. In my opinion, the qualitative vs. quantitative debate is a lot like the nature vs. nurture discussion, with the best answer acknowledging the importance of both factors.

Hence, the type of happiness one is experiencing matters, but so does the amount of happiness one attains in life. The most fortunate of individuals are those who achieve happiness in the many different facets of their lives: through caring relationships with family, friends, and the larger community, through pursuit of the most lofty as well as the most mundane of daily activities, through achievement of both short-term and long-term personal and professional goals, and through the knowledge one acquires of the meaning of life along the way.

Gail Weiss

Chair, Department of Philosophy



"There can be no doubt, *happiness is* floating in the ocean."

Ivy Ken Associate Professor of Sociology



"Many things might make me happy—an encounter with a beautiful painting or precious object, a belly laugh courtesy of Tina Fey, my first kiss in 6th grade, my daughter's smile,

seeing an old friend for the first time in many years—but all in all, I've found lasting happiness to be a rather elusive state. Life today is too often marked by death, disappointment, and uncertainty. I see myself as a positive, optimistic person but to me, *happiness is* something so precious and so infrequent that I cannot quantify it in a few words. However, I do savor the rare occasions when I truly experience it."

Kym Rice Director, Museum Studies Graduate Program



COLUMBIAN COLLEGE T-SHIRTS ARE ALSO NOW AVAILABLE!



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OF THE GEORGE WASHINGTON
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miss out on all the great programs
and benefits that GW and Columbian
College offer, including:

- News and special announcements from the Columbian College and your department
- Invitations to Columbian College and university-wide events like professorial lectures, GW Culture Buffs, and networking nights
- Details on new and existing benefits available to GW alumni, including the Alumni Course Audit Program and Alumni Travel Program with GW and Columbian College faculty

Visit alumni.gwu.edu for more information on all of our alumni programs and events and be sure to update your contact information at alumni.gwu.edu/update.

Dear Columbian College Alumni, Parents, Friends, Faculty, and Staff:

 $As^{the\ new\ chair}$ of Columbian College's National Council for As Arts and Sciences, I am honored to recognize the philanthropy of our College community.

There are countless ways your gifts, both small and large, are making an impact on every facet of the university experience. The donor-assisted Dean's Fund, for example, supports special faculty projects, graduate capstone courses, freshmen Dean's Seminars, and undergraduate research fellowships. Gifts to endowment ensure faculty excellence, student scholarships, and program enhancement. And many of our new initiatives, such as Planet Forward and the GW Capitol Archaeological Institute, are in existence today because of donor support.

It is, therefore, with much appreciation that I acknowledge each of the individuals and organizations listed in this Honor Roll of Donors, which recognizes those who have supported Columbian College during the GW fiscal year of July 1, 2010, to June 30, 2011. Your commitment to the advancement of the College will make a difference for generations to come.

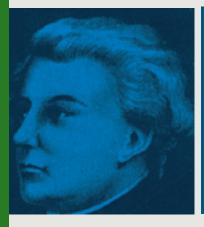
Sincerely,

Pamela Lawrence, BA '76

Senior Vice President, North Shore Medical Center

Columbian College Honor Roll of Donors

FISCAL YEAR 2011 (JULY 1, 2010–JUNE 30, 2011)



L'ENFANT SOCIETY

The L'Enfant Society is named for the architect of the city of Washington, Pierre-Charles L'Enfant, whose vision guided its growth. The most prestigious of GW's gift societies, the L'Enfant Society recognizes donors whose generosity and foresight have a transformational and enduring impact on GW. Membership is extended to individuals, corporations, and foundations with annual or cumulative giving totals of \$5,000,000 or more. The following L'Enfant Society members are donors to the Columbian College of Arts and Sciences.

Gail and Philip Amsterdam+
J. B. & Maurice C. Shapiro Charitable Trust
Charles E. Smith Family Foundation+

Robert H. Smith Family Foundation+
David Bruce Smith+
Robert H. Smith*+

1821 BENEFACTORS

Established in 2004, this society was named in honor of the year the university was founded and embodies both the spirit of GW and the spirit of private philanthropy.

Membership is extended to individuals, corporations and foundations with annual or cumulative giving of \$1,000,000 or more. The following 1821 Benefactors members are donors to the Columbian College of Arts and Sciences.

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Wilbur V. Harlan
Scholarship Trust

GEORGE WASHINGTON SOCIETY

The George Washington Society was named to honor the forward-thinking spirit of the university's namesake, whose vision has guided GW's growth.

Membership in the George Washington Society is extended to alumni and friends whose annual or cumulative giving totals \$500,000 to \$999,999.

Grandfathered members with lifetime giving over \$100,000 are included. The following George Washington Society members are donors to the Columbian College of Arts and Sciences.

Carlos P. Aguinaga Anonymous Ansar Batool and Munr Kazmir David R. Berz, Esq., and Sherry K. Berz Anne E. Brown Philip A. Brown, Esq., and Donna Brown+ Mortimer and Ruth Caplin+ Nancy G. Daunton+ Bert Deixder and Leslie Swain+ Melissa Fairgrieve Carol B. Fischer Julius Fleischman
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THE TEMPIETTO CIRCLE OF THE HERITAGE SOCIETY

The Tempietto Circle of the Heritage Society, named for the tempietto ("little temple") that stands as a campus landmark in Kogan Plaza, recognizes those individuals who have made a planned gift of \$500,000 or more to the university. The following Tempietto Circle members are donors to the Columbian College of Arts and Sciences.

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Nancy G. Daunton+
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Natalie R. Friend
Judy and Henry Geller+
Mindy D. Goldsborough
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Janet Lambert+

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Elyse B. Lehman+
Elizabeth St. J. Loker and
Donald Rice+
John D. McGurl, M.D.
Beverly and
Randall Packer+

Josephine R. and Richard H. Schlagel William Warren+

THE HERITAGE SOCIETY

The Heritage Society recognizes individuals who have made documented planned gifts to the university. These gift plans, which include annuities, trusts, and bequests, establish a permanent legacy for each of our donors. The following Heritage Society members are donors to the Columbian College of Arts and Sciences.

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Richard and Helen Yin

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Luther Rice raised the necessary funding and lobbied President James Monroe and Congress to make George Washington's vision of a university in the heart of our nation's capital a reality. Now, nearly 200 years later, Luther Rice Society members are continuing the legacy and advancing The George Washington University and the Columbian College as a premier place of learning and a distinguished community of global leaders.

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1972

Adrienne N. Armstrong Jeffrey Bain+ Warren A. Baker Howard D. Berger+ Barry L. Bernstein+ Michael P. Bloom Leslie B. Burka

Sharon D. Callagy **Edward Chaszar** Elaine L. Dickinson David G. Evelyn Sallie H. Flavin Ann-Marie M. Fleming Paul G. Gavejian Margery E. Goldberg Charles R. Hurt+ Maria A. Jones+ Harold D. Kahn Raymond Kassab Douglas F. Klick Sandra C. Kolb Constance T. Laws Bai T. Le Robert Lee Stuart W. Lesses Lorraine L. Longo Frances Markunas E. David Marwick Dehra R McDonald+ Alexandra H. McElwaine Barbara N. Morgan Margaret Morrison Claire G. Moses Joseph W. Mullin Marcy R. Nadel+ Gail Orgelfinger+ Ellyn C. Phillips+ Andrew G. Pollet Arpi B. Sahr+ Nancy Q. Saul Frederick J. Scheuren+ Lee C. Schneyer Don E. Siegal+ Marie-Claire Steinberg Doreen Sterling Mabel W. Thornton+ Marie-Cecile O. Tidwell Rebecca Van Buren Deborah K. Watkins+ Michael J. Waxman+ Susan Wax-McClive Walter L. Williams Gerald J. Yuknavage John J. Zubritsky

1973

Bruce J. Adams Barbara S. Anderson, Esq. Char Beales+ Dorothy D. Beauregard Mary L. Bishop Jackson C. Boswell Ann Brandwein+ Sherahe Brown-Fitzpatrick E. Jean Capitano-O'Reilly John M. Cavenagh Jane M. Christie+ Margaret C. Clarino+ John R. Colby Mariann P. Crane Salvatore J. Cumella, M.D.+ John B. Day+ Bert H. Deixler, Esq.+ Marjorie K. Fuhrmann Robert J. Gaines, Esq. Ellen B. Godsall Roger L. Goldblatt Thomas M.Hall, M.D.+ William T. Harper+ Daniel D. Heath+ Deirdre P. Holleman Marie I. Holmes Andrea F. Jackson

Mary Z. Johnson, M.D. Debra B. Jones Richard S. Kagan+ Mona W. Kanin Myron J. Katzoff Ronna S. Kava Sheri J. Lagin, M.D. Steven A. Levine+ Linda S. Lovell James R. Maar+ Richard Marmaro, Esq.+ Anthony F. Mauro, Jr. Lindsav R. McClelland Victoria E. Metz+ William D. Nelsen Ronald A. Nicholson+ Susan E. Novik Annette C. Osso Elizabeth M. Oxendine Robert A. Poogach, Esg. Diane G. Sapienza John R Sawicki+ Gerald Schneider Mark A. Schwartz David B. Shapiro Beverly T. Spadotto Brooke C. Stoddard Marybeth S. Stoddard William O. Turner, Jr. Patricia Wakefield Judith R. Wasarhaley Cynthia R. Weitz Helen R. West Eric Wilmeth Roger C. Woods Arthur C. Wulwick Ellen M. Zane+

1974

Heidi M. Alpert

Fredrick B. Barder Gloria C. Becker Karen J. Berman Carol Y. Berns, Esq. Jackson C. Boswell Karen E. Brock Glenda C. Buff Dorothy A. Canter J. J. Carter, M.D. Myron B. Chace Marian R. Davidson-Amodeo Catherine L. Donich Richard L. Freedman Steven D. Frenkil, Esq.+ Paul L. Frieden, Esq.+ Bruce L. Gabel Linda M. Gantt Marcia A. Glauberman+ Robert F. Green Ginger Greenstein Jane E. Hindenlang Carol A. Hodes Geraldine S. Jackson Jay E. Kivitz, Esq. Alan S. Klavans+ Roger H. Leemis, Esq. Heidi A. Lewis, Esq. Susan G. Lichtenfeld, Esq. Joel A. Lipkin+ Kathleen E. Maley+ Alexandra H. McElwaine Robert A. Michaels Nachama S. Moskowitz+ Jerome S. Nadler Judith S. Nadler Mary J. Normandy

Lenore Pearlman Eddie L. Perkins Val J. Prevedini David A. Robinson, Esq.+ Thomas R. Robinson Sheldon D. Rudin Pamela L. Russ Jeffrey L. Schwartz Carol A. Seals Stanley F. Seligman Caroline L. Simon Cathy S. Singer Ira J. Singer Susan S. Smirnoff+ Lala F. Snead Regina R. Thomas Lawrence Thurston Connie L. Vaughan Geoffrey H. Vincent+ Clarence P. Walters+ Gerald E. Webb Ellen P. Welsh+ Rita C. Williams Allison J. Wolowitz+ Steven Wolowitz, Esq.+ Stephen S. Woods

1975 Terence C. Baer Hilarie F. Bass, Esq. Jeffrey P. Berns Robert P. Biggers, Jr+ James A. Bridenstine Michael F. Burror Telesphore L. Charland+ Harvey S. Clapp Alan S. Cohen Martin B. Cohen Steven R. Corwin Larry R. Cunningham Barbara C.L. Dantzig+ Gretchen Delong Margaret S. Devenney Norman R. Elrod Ann C. Erteschik Nathan Erteschik, M.D. Larry E. Evans Barry S. Feigenbaum+ H. Peet Foster Mary A. Frey+ Carol L. Gabel Daniel H. Gallagher Mary H. Grant Kim Holmes Mary Houlihan Monica M. Huddleston A. Curtis Huffman, Jr.+ Elizabeth D.M. Kiernan Barbara Y. King Robert Lee Paula G. Lettice Donald E. Lucas Donald P Milhurn John V. Moeser* Irene C. Mosher Lawrence R. Mumford Clare C. Murphy Frederick J. Murphy John D. Nelson Carolyn A. Nevins

Wendy L. Packman, Esq.

James M. Ramlow Deborah Ratner Salzberg Sanae I. Reeves Shannon L. Rice Beverly E. Roca Nancy Q. Saul Mark E. Schleifstein William H. Schrag, Esq. William H. Seals Pamela B. Smith Gael D. Summer Jai E. Swyter+ Scott E. Thompson+ Ellen D. Tillman Andrew B. Trachtenberg Ann I. Wild

1976

Neil E. Aresty, Esq. John F. Barry Gilbert C. Binninger+ Howard G. Borgstrom Elizabeth D. Brigham Andrea W. Brown Patrice C. Brown Anna M. Bryant Cary B. Cheifetz Larry H. Chesin Roy S. Clarke, Jr.+ James C. Cleveland William T. Cobb+ Robert L. Cohen Stanley A. Cohen Thomas K. Collins Charles J. Corcoran Charles P. DeWitt+ Michael P. Dolan, M.D. Susan S. Flanigan Mark S. Frankel Leonard A. Freedman Loren F. Ghiglione Richard M. Goldfarb Richard W. Goldschmidt Thomas M. Goutman+ Michael M. Gross, M.D. Julia L. Haifley Claudia W. Herrold Joe L. Howell, III Arthur J. Johnson Kenneth J. Kalscheur Jan G. Kaplan Myron I. Katzoff Pamela L. Lawrence+ Marian A. Lee Barbara S. Levine Paula K. Levine+ John A. Mancus Le-Nhung McLeland Susan C. Michal Lisa D. Moore Meda B. Moore Mark D. Okusa Beverly Perry, Esq. David A. Raffel Sandra M.

Robertson-Hilton+

Paul S. Rossi

James M. Russel

Samuel Schwartz

Lori S. Seader

Sarah S. Shaffer

Mark L. Zusy

Susan Abrahams Stephen J. Acree Sandra H. Alston Paula W. Argosh Joel Aroaeti Peg E. Barratt **Rosemary Beavers** Byrna A. Bornstein Helene G. Brecher Diana A. Carsey

Gregory B. Simpkins Clarice R. Smith Cynthia M. Smith Angela M. Soto-Hamlin Freda C. Steinberger Virginia H. Thelin Connie L. Vaughan Bernice K. Weiss Rernard I Welch Anne S. Wood

Lois F. Alperstein+

Sandra H. Alston Anita L. Auerbach Lolita M. Bebris Steven R. Bloom Rosemary W. Bordley Lorraine Brown Irene Butcher Benjamin F. Calvo, M.D. **Dale Connelly** Jean T. DeBell-O'Neal Tere DeMoss Jeffrey S. Distenfeld+ Barbara P. Dudlev Susan C. Flashman Richard M. Flynn+ Dennis M. Gehley Terry L. Gingell Kathryn Green+ Nancy J. Lippman Halis+ Guy S. Hoo+ Elizabeth C. Koprowski Carol L. Kregloh+ Amy E. Kurland Marilyn R. London Martha T. Mazzarella Renee M. Meyer+ Margaret Morrison Jeannette Murphy Carl B. Neff+ Gloria B. Pendleton Ann Perch+ Charles E. Perrotta George S. Pever+ David M. Post Joyce C. Pugh Mitchell N. Ross, M.D.+ Sally A. Saddler Lola E. Seidl Gary D. Shaffer+ Jay A. Siegel Jane T. Smith Samuel Smith, M.D.+ Andrew J. Svedlow Peter L. Tancredi Glenna J.W. Thurmes William G.L. Turner+ Steven H. Waitzman Margit A. Williams+ Allan J. Zaic* Greg R. Zarelli

1978

Wayne Countryman John F. Dudley Miu Y. Eng Horace E. Ervin Joyce M. Farling James D. Fisher+ Richard J. Frisch John N. Fugelso Susan S. Geyer Felicia L. Goins Roberta W. Greenberg Michael M. Gross, M.D. Gerald R. Hankins Richard P. Harland+ Roger A. Heldman Henry F. Hobek Milo F. Hunter Barbara P. Isaacs Miriam A. Kazanjian+ Mitchell A. Luxenberg George L. Martin Frank J. Massaro+ Thomas J. McIntyre, Jr., Esq. Garrett R. Moore Henrietta I. Morse Claire G. Moses Gregory V. Nelson+ Mary J. Normandy Clay C. Purdy, III Thomas P. Rametta George D. Santopietro Sarah S. Shaffer Leon R. Shein Cathy S. Singer Deborah Stern, Esq. Fredric I. Storch+ Anthony I. Straus Marc M. Sussman David F. Teicher Michael F. Thompson Candace M. Volz Marsha J. Walker

William B. Cherkasky

Victor F Church

Dana P. Clerkin

1979

Kimberly Wayland

Miriam N. Wiener

Carolyn H. Zuttel

Elizabeth C. Arnold Linda C. Austin Joseph S. Bartusis+ Elizabeth L. Bergin Carole D. Blankman-Ginsburg Thomas E. Brinkman, Jr. Anna M. Bryant Anthony M. Chaffier Daniel M. Cortes Lawrence E. Culleen, Esq. David L. Elkind Howard A. Frank Howard S Furman+ Teresita Gonzalez Stuart D. Gosswein Cheryl Gunn Dana A. Hall+ Kathleen V. Kellev John G. Kowalczuk Aaron M. Lowe Betina M. Margolis Chandley M. McDonald Faye S. Moskowitz+ Terry U. Mossop Adam Nassar

Gordon G. Novinsky+

Jane M. O'Hara Stephen G. Oprendek, III+ Anthony K. Pordes+ Patricia F. Raffel Sanae I. Reeves Claire E. Rusowicz Jacqueline M. Samuel Abbe Z. Sands Karen A. Segal Tomas J. Silber Clarice R. Smith David Bruce Smith+ Sharlan R. Starr Carole A. Stover+ John G. Sussek, III+ Philip G. Terrie+ William T. Theros Robert G. Trumbull, III Paula R. Valente Lisa R. Van Wagner Timothy S. Walker Marilyn B. Wassmann Arnold L. Weber Steven J. Weisel Daniel H. Weiss Lynette D. Wigbels+ Ann L. Wild

1980

Raymond J. Ahearn

Neil E. Aresty, Esq. Allan D. Baken William W. Barns, Jr.+ Robert A. Blanev+ Deborah E. Bodlander Jill S. Braden+ Byron K. Callan, III Laura K. Cooper Paul F. Dempsey Bryan S. Drouin Janet S. Drouin Camille R. Fenton John M. Fenton Ferdinand H. Frassinelli, II Mary F. Goldwag Roberta W. Greenberg Bonita B. Griser Spedden A. Hause, III Cathy L. Helm K. Andrew Huba Jack K. Hume Nancy N. Hunt Frederick M. Joyce Steven Z. Kahn Terry E. Kaytor Jeane P. Kight Katherine A. Kilduff+ Kenneth B. Leonard+ Luna L. Levinson+ Sasia Lucas Margarita B. Marin-Dale, Esq. Anne K. McGuirk Marna L. McLendon Carlos I. Medeiros+ Maria E. Miah Debra D. Morris Howard A. Morrison+ Susan C. Newell Jorge V. Ordenes George A. Plesko+ Jean L. Preer 1982 Lisa M. Racioppi+ Jack T. Reidhill Robert A. Relick

Rebecca Rene

Lori S. Seader

Blair W. Smith+ James E. Soos, Jr. Richard J. Steigman Nancy E. Tate John P. Taylor+ Voula K. Tsoutsouras Ellen V. Weingarten Meredith A. Weiser Sandra J. Weiss, Esq. Anntoinette D. White-Richardson Angelo Wider

1981

Anthony M. Alexis

Helen C. Aster

Stephen A. Bai

Mary F. Bayliss

Dean G. Belmont, Esq.

Michael D. Billiel, Esq.+

Joseph B. Bluemel

Margaret E. Bruhn

Anna M. Bryant

Melvin Brock

Wendy Cobb-Krinitsky Peter L. Collins+ Bonita V. Crawford Kevin T. Crilly Samuel S. Deitrick Cathryn S. Dippo Deborah H. Doolittle Steven Einheber+ Norman R. Elrod Lawrence B. Fertel Richard B. Goldstein+ Carroll N. Guin Alan L. Halvorson David D. Hanig Eric C. Johnson Ronald W. Johnson D. Samantha Johnston Patricia M. Kavanaugh Howard D. Kunik Maria L. Longo-Swiek, Ph.D. Betsy J. Malpass+ Frank G. Marcovitz E. David Marwick Karen I. McKenney Wendy J. Merrill Peter J. Morin Nancy N. Odegaard Marilyn S. Paul George R. Pleat Donna S. Ronsaville David M. Santucci Hassan Sedaghat James R. Shine Madeleine R. Shirley Robert Sroka **Doreen Sterling** Jonathan M. Sternlieb, M.D. Cornelia J. Strawser Trung H. Trang George T. Urch Lorraine A. Voles Mary Anne Warner Peggy Y. Whitaker Carol C. Wilkinson Thomas M. Young

David Allison Anne F. Baum+ Martin L. Baum+ Andrew P. Baxley, Esq. Patricia S. Brev

Steven Ellison, Esq. Sarah Elpern John T. Gaffney, Esq.+ Teresita Gonzalez Mary H. Grant Shoshana M. Grove Charles M. Hanson Richard J. Hinkemeyer+ Barbara J. Hopkins+ Marjorie S. Inparaj Barbara P. Isaacs Thomas E. Knightly Janet D. Lyman Elizabeth A. Marini M. Dennis Marvich+ Christine A. Matthews-Cutler Marie H. McGlone Patricia A. Medeiros+ Kathryn J. Mohrman Amy A. Monahan Ronald F. O'Day Anne F. Peret Catherine C. Perge Elizabeth T. Porcell+ Janet V. Powers Dale A. Pupillo Kathryn C. Ray Richard H. Russell Thomas M. Rvan Jeffrey A. Salino Noelle B. Schoellkopf Terry L. Segal Andrew B. Serling Cindv A. Stiles Mario J. Strafaci William O. Turner, Jr. Lily V. Uy Jose M. Villagra Douglas J. Weckstein Kevin A. Werner, Esq.+ Kenneth M. Winnea

Felice S. Ciccione+

Marcy S. Wolpe+

Deborah L. Albert Elizabeth B. Applebaum Debra J. Ashton Loren L. Booda Jacqueline L. Byrd Caren L. Caton Frances A. Clarke Richard D. Cohen, Esq. Lammot D. Copeland, III Elizabeth Craig+ Luis W. Diaz Nancy S. Doane Mark D. Dollins+ Sarah Elpern Barry G. Epstein Robert L. Fragola+ Wallace B. Gernt, Jr. Jennifer J. Googins Michael C. Gregoire Alan T. Grening Stephanie A. Heacox Paul A. Hojnacki Nancy J. lacomini Mary A. Jenkins+ Marjorie J. Kahn Alan S. Kline Barbara A. Long+ Donald E. Lucas Julie M. Mangis Stephen L. Mangum Annette M.R. Marcil

Andrew M. Mekelburg Andrew J. Meranda Charles A. Miller, III Mary E. Mogee **Anthony Narcisso** Debbie F. New Dennis J. Nutt Thu-Hang H. Ogburn Christina D. Parra John F. Ramirez+ Pamela P Roach Hassan Sedaghat Cornelia J. Strawser Wesley R. Thomas Elizabeth C. Trang Deborah L. Trent Robert G. Trumbull, III Carrie E. Turrell Callahan Nina A. Weisbroth Richard A. Weitzner, Esq. Karen B. Wiener Catherine S. Willmore Diane M. Wilshere Philip W. Wirtz

1984 Lisa K. Arbelaez Frank I. Aucella Virginia M. Austin Daniel Barkan Anthony G. Barrett Cheryl Beil+ Jennifer Belcher+ Melvin Brock David E. Brunori, Esq. Tod W. Burke Jacqueline L. Byrd Sayeeda A. Chaudhry Carol T. Cox Oscar A. David, Esq.+ Richard M. Flynn+ William J. Fogarty, Jr. Margaret G. Funkhouser+ Fengying M. Hsu, M.D. Nancy R. Iris Michele E. Kahn Randall E. Kaye, M.D. Lucinda A. Leach Elisabeth P. Liebow Jean L. Linton+ Leslie B. Lord James L. Mallove Julie M. Mangis Stephen L. Mangum Melissa H. Maxman, Esq.+ Justin X. McAvoy Amy G. McDonald John D. McGurl, M.D. David M. Moore, Esq. Kirsten L. Olsen Susan M. Poniatowski Robert J. Rendine, Jr.+ Douglas A. Roberts Theodore H. Rosen Lynda O. Shuman Bruce A. Silver Bory Steinberg Anne L. Stevens+ Leonard A. Tabacchi, Jr

1985

Lilv V. Uv

Alan I. Zucker

Sidney W. Abel+ Mary J. Baedecker+ James M. Blumenfeld Jeffrey P. Borden Constance M. Brown Mary W. Carrabba+ Kwai-Cheung Chan May-King Connolly Gregory A. DeLozier Elizabeth B. Derbyshire Mary A. Eaddy Marilyn F. Fedelchak-Harley Sieglinde K. Fuller Audrey Gardner-Wright Johanna P. Glass+ David D. Haniq Susan C. Heald Wayne E. Johnson Andrea W. Kuhn Michael J. La Place, Jr.+ Judy P. Mannes Joanne B. Mazarella Cathleen K. McCabe Lynn M. Pentecost Margo A. Reeves-Lewis Michelle L. Rice Jeanette S. Ridge Douglas A. Roberts Marc P. Schappell Alan Sokol Beth C. Stern Lawrence Thurston Nancy W. Tuccillo John F. Van Patten Elissa G. Wernick+

1986 Ameer Al-Bayati Natalie W. Barkan Spencer Becton Todd A. Birkenruth Charlotte G. Boston Heide K. Clark John H. Gwynn Clare A. Heberg M. Irshadullah Linda G. Kuzmack Lee A. Lobuts-Layden Chrysanthos A. Miliaras Paul W. Oshel Richard Rofe Donna S. Ronsaville Sharyn H. Rosenblum Cornelia M. Rutherford David R. Schinzel+ Sharon E. Sitrin-Moore Christopher A. Smith Bryan L. Spangelo Carrie E. Turrell Callahan Nina A. Weisbroth Jolie R. Worobow

Kevin A. Wood

1987

Frank I. Aucella Richard K. Biddle+ Sara S. Bradshaw+ Mary C. Davis Patricia R. Evans Sally A. Fitzgerald Richard M. Flynn+ Robert P. Forbes Anthony J. Hill+ Sylvia Hordosch Beniamin B. Klubes, Esq.+ Steven Komarow Kenneth R. Knouse, Jr.

Beth S. Lewyckyj Monica L. Lombardi Brian A. Malone Charles L. Marshall Carol Matsuuchi Karen M. Meisner Lori M. Moussapour Cynthia A. Nelson Jennifer A. Piemme Michele L. Poynton-Marsh Pasquale J. Rocco+ David E. Russell Hope P. Sanker Scott L. Smith Kathleen Steeves J. David Sulser Lloyd M. Thayer Lawrence Thurston Kenneth E. Troxell, Jr. Rebecca A. Turner Helen Cerra Ulan William L. Vantine Muthu K. Vellayan

1988

Paul J. Andrews Alan F. Boehm William D. Briggs Teresa W. Byler Brett A. Garber Marla B. Gross Elizabeth R. Hatcher Aimee M. Jackowski Thomas P. Keck Marjorie C. Kelaher Susan L. Klaus+ Patricia V. Lindley+ Martha A. Maust Lorraine McCall Christine M. Nardi Joyce L. Owens+ David S. Powars George E. Reed Brett R. Roach Karen Rotgin-Bialek Naomi C. Shapiro Daniel F. Sheehan Barbara G. Shipes+ Cathryn F. Steel Robert G. Trumbull, III Heather A. Tzanninis Sarah E Wassum Glenn P. Wicks, Esq. Leslie A. Wollack

1989

Tracy T. Abriola+ Susan R. Aldrich Kathleen D. Brady William D. Briggs Molly K. Brown Heide K. Clark Karen L. Crenshaw Hugh J. Deblij Edward J. Fiorentino Lynda A. Gallagher Joseph L. Greenlee Reginald C. Grier Patricia A. Hammick Joseph A. Hawkins+ Beverly F. Heimberg+ Anita M. Hibler Dorsett W. Jordan Sheree M. Leonard Luna L. Levinson+

Richard G. Martinko David J. Mayer Anne K. McGuirk Patrick P. O'Carroll, Jr. Ellen L. Parkhurst Joseph J. Pfanzelter Sangeeta Prasad Carol R. Sacks+ James D. Sadowski Arlyn S. Schlosberg Sandra M. Singer Ronnie G. Smith Gregory C. Spengler+ Bryan N. Tramont+ Dana F. Volman+ Karin S. Wendzel

1990

Kathleen D. Brady

Angelita M. Colon-Francia

Joseph A. Conroy Matthew M. Crouch Lauren S. Danner+ Deanna D. Dopslaf Daina S. Eglitis Jaren G. Horsley William R. Joseph Myra F. Joy+ Grace E. Katz Robert K. Kearney William J. Murphy William F. Rosenberger Marc P. Schappell Hassan Sedaghat Diane Shaw Christine L. Taraska Jennifer L. Wagner Courtenay B. Wallach Frank M. Wroblewski+ Elizabeth Z. Zack Richard J. Zack

1991

Thomas C. Adams, III

David A. Albert

David T. Aldrich Roya L. Bauman Mark A. Borer Paul D. Bourquin Christine A. Coleman Thomas A. Coyne Elena G. De Eder Steven A. Farber Steven V. Gilbert Kim S. Gramlich-Heller Gregory C. Heller Julie A. Jampolis Vicky L. Jefferis Jill P. Madenberg Leigh A. Newman Joyce M. Northwood Deirdre O'Leary Susan V. Pannell Edward M. Robinson Michael S. Rosenberg, Esq. Kevin C. Ruffner+ Heather Y.B. Schultz Ronald L. Sharps Jorge A. Shepherd Paul K. Sternal+ James E. Stevens Tammy L. Stocking Bradford S. Wetstone

1992

Leslie B. Burka Gail E. Collins John A. Creech+ Anthony L. DeVico Andrew L. Dixon, III Kurt A. Engleka Daniel H. Friedman George V. Hellman Kenneth J. lan Nancy A. Israel Ellen A. Bodalski Kaplan Andrew P. Keaveney Kraig M. Kennedy+ Beth C. Kimmerling+ Erica J. Krantz Shirley J. Lytle Marisa J. Richmond Vincent G. Rocco William F. Rosenberger Daryl T. Stuart+ Melissa S. Toms Eugene J. Toni Carolyn J. Winje

1993

Julie M. Altman-Liddle

Jerry L. Archer

Sandra D. Arnell

Marc B. Bailkin

Katherine E. Beery Constance A. Carrino Kendra A. Cipollini Thora S. Colot John Fhrman Amanda P. Feinsod+ Michael R. Feinsod+ Matthew G. Fetchko Jason C. Filardi Jeffrey D. Grant Jordan C. Graubard Christine O. Hamp+ Barbara A. Harrelson Stuart L. Harshbarger+ Renee L. Hicks Diane S. Laviolette Beth S. Lewyckyj Adam H. Marks William J. Maurer Ann M. McLeod Lyn A. Messner Carol A. Olson Genyong Peng+ Mary B. Poole Peter A. Ratkevich Jennifer P. Rocco Miriam D. Rosenthal Linda T. Ruckel Melissa J. Schuberg Dana R. Schwartz-Bash John D. Sherwood Michael A. Tyler+ Leanne P. Vaeth Lawrence H. Watson, III Elisabeth J. Wood Kim B. Worrell

1994 Roya L. Bauman Holly T. Brigham Gretchen M.R. Bulova Gilbert Cisneros, Jr.+ Kim M Deane Brinille E. Ellis+ Diana L. Freas-Lutz Bruce J. Gruenewald

Margaret D. Hayes Mickey J. Hayward+ Michael I. Krauthamer Eugene Kupchella Karen L. Lamb Wayne A. Morrissey Candis M. Orvis Jason R. Osborn+ Denise E. Pankow Frika A Peltz Devon L. Pyle Muriel Z. Ray+ Jennifer A. Rothman James A. Sartucci Yoku Q. Shaw-Taylor Charles E. Silva Cindy R. Vande Stouwe+ Therese A. Svat Amy L. Taylor Barbara A. White Thomas W. Yanni

Stuart L. Harshbarger+

1995

Monique M. Antoine

Patricia L. Arrington Grant D. Ashley Amy M. Bebchick Julie M. Brinker David E. Brunori, Esq. Mary W. Carrabba+ Rachelle A. Dubow Lisa A. Hoston Ryan D. Israel+ James S. Jewell Janeen M. Latini Elizabeth L. Lawson Leonard D. Lazarus+ Michael N. Levy+ Richard G. Long Heather M. Norris Brett J. Rodda+ Beverly C. Rodgerson Jeanne M. Rose Shannon C. Sampson John D. Sherwood Kelly D. Smith Keri L. Trolson+ Arthur F. Wick Niroshan M. Wijesooriya Cathlene D. Williams Kirsten L. Yauch-Hess

1996

Eleanor P. Aab Kelly C. Ames William B. Andrews Howard G. Bernett Susan L. Boucher-Foxon Cheryl D. Cobb+ David M. Cochran, Jr. Lee W. Deutsch Scott T. Farl Peter D. Edelson Christopher T. Edwards+ Meredith G. Erickson Kristen B. Floom Nancy M. Foster Timothy R. Henkle Marcella B. Jacobs Elizabeth C. Matto+ Richard C. Munn Genyong Peng+ Tatyana S. Schriempf

Angela M. Thornton Elizabeth M. Tupper Gary S. Weisman Heather M. Young+ Thomas E. Zutic

1997

David J. Algranati Leigh Z. Callander Marisa F. Capone Kedrick B. Carr+ Mitchell Casar Julie E. Contreras+ Elaine M. Douglas Adrienne L. Gizicki Lee C. Heiman lennifer F Hembree Karen M. Hibbitt+ Kimberly L. Hill+ Seth D. Kaplan Nick Kistenmacher Margaret L. Knowles Courtney N. Mikoryak Samantha J. Ozarin Melinda J. Pollack Shervonne G. Powell Jennifer L. Rellis Cynthia M. Roldan, M.D. Benjamin C. Rosenzweig Christopher R. Shafer Laura A. Springer

1998

Allison R. Barenbaum Jenny E. Beniamin Steven H. Bernauer David L Cohn Bryan R. Daves David H. Ellenbogen Sieglinde K. Fuller Kedar Gangopadhyay+ Tamara L. Gravsav Robert E. Hertzfeldt Hillary E. Hess Laura C. Hooper Tracey S. Horwich+ Chia-Hsin Hu William F. Hunt Christina N. Juliano John W. Mishler Noreen S. Mivake Stacv R. Miller Moock Megan E. Mooney Demetra S. Nightingale Yoku Q. Shaw-Taylor Reynolds R. Skaggs Kevin W. Smith Ivy M. Stewart Mariusz A. Sumlinski Kerry M. Washington Alesia M. Young

1999

Amy M. Bebchick Tracy J. BeMent Laura L. Bobeczko+ Marco Cercone+ Catherine W. Cooper Meredith G. Dubner Karen M. Fincutter Zakhia X. Grant Jason S. Haber Christopher S. Hamner Ross B. Harrison Andrew B. Hoffman

Laura M. Spina

Donald P Jacobs Kenneth A. Johnson Caiyi Lang Yan Liu Rayna B. Luchs-Marz Rebecca R. Osborn+ Patrick M. Preston Elizabeth M. Sagat Jonathan T. Skrmetti Becky S. Sloviter Ainsley S. TeGrotenhuis Peter N.M. Troedsson Darrell R.C. Villaruz Michele B. Wahba Peter R. Wahba, M.D. Julie J. Wilson Joseph J. Yamamoto

2000

Amal S. Amin Crystal O. Backus Jacob A. Balter+ James W. Bowen Thomas F. Brady Jeffrey C. Brown Angela M. Burrell Colleen F. Carignan Mary E. Cummins Tejwant S. Datta Danielle F. Friedman Courtney C. Pace Halvorsen Donald E. Jaccard Richard I Kelly Jennifer B. Lerner John M. McGlasson, III John W. Mishler Jamie R. Mogil James J. Quinlan Wendy L. Schultz Julie L. Schumaker+ Christina H. Taylor+ Katherine L. Vollen Aditi Walia Linda W. Wild

2001

Anthony J. Accinno Vincent J. Badolato Marcus R. Brown James L. Cantor Martin L. Connolly Daniel H. Else, III Marta E. Losonczy-Marshall Kimberly J. McGraw David G. Pauly Allyson Purpura Darren A. Ressler Christopher S. Shaw Benjamin M. Simon+ John E. Uggen Michael C. Zito

2002

Jennifer L. Aronson Stephanie L. Baxt Michael Y. Bennett Jason B. Blank Wendy B. Bronfein Frances B. Brookner Jessica S. Cohen

Elena G. De Eder Daniel W. Ericson, Esq. Richard T. Ernsberger Debra B. Hager Julie A. Harnik Laura C. Hooper Ayanna D. Jackson-Fowler Kristen M. Kaczynski David Kanevsky Matthew E. Kernkraut Jung-Ah Kim Sarah F. Kohari Brandon M. Konda Jason P. Miller Kara D Miller Benjamin Z. Landman Nicole M. Letelier Michael L. Lupo Christopher D. Maine Katherine M. McGoldrick Arash Naderi Catherine T. Ngo Jeffrey T. Petizon Stephen W. Press, Jr. Maria R. Rublee Michael D. Sieburg Sara E. Stroman Jack C. Thompson

2003

Damon L. Burman Joanna L. Collins Ashley D. Crawford Dilyan I. Dryanovski Zeb E. Eckert Kate A. Evangelista Carly S. Filgueira Emily A. Filler Andrew D. Goldberg, M.D. Amy L. Hall Margaret E. Hoyt Chia-Hsin Hu Alfia A. Khaibullina Stacy B. Leff John M. McGlasson, III Ann E. Mercogliano John C. Mooney Colleen S. Morith Kevin A. O'Reilly Francesco G. Paganini Tara D. Rosenblum Joshua S. Rothstein Krishna V. Ruano Theodore Z. Segal Matthew W. Tisdale Pamela R. Townsend Brandy D. Vause+ Lisa M. Williams

2004

Roger K. Alexander Kevin T. Barnett Sasha Baumrind Melanie S. Bernstein Sabrina G. Bertucci Emily M. Blair Kara A. Boone Sonva G. Brzozowski Amy M. Bucciferro Elizabeth A. Coelho

Besse J. Dailer Laura E. DeLucia Dale W. Dowling Amy H. Freireich Matthew L. Frisbee Michael M. Goldberg Cassandra A. Good, PhD Katie L. Greene+ Elizabeth S. Harrison Sheila K. Hennessey Anuj K. Kashyap Erica M. Rosenthal Kraus Mary P. Marca Brianne S. Miers Alessia M. Miller Eric M. Nakano Melissa S. Nyman Anya M. Olsen+ Toshiya Ozaki+ Sally A. Parkhurst Robert W. Paxton Sean M. Perkins Julia L. Rafal Matthew H. Reeves Maria R. Rublee Sylvia K. Siegel Katherine A. Sleasman Jason R. Staiano+ Heather F. Stein Michael P. Stinziano Mariusz A. Sumlinski Kristina Vajcnerova

2005

Kimberly J. Vitelli

Rima L. Adler Lauren M. Alperstein Elizabeth K. Bear **Justin Bevers** Dana S. Brody Barry Cardin Sarah B. Chase Beniamin M. Daniels Alicia M. Dillingham John A. Donaldson Laurie M. Ebertowski Seth B. Egert Christa Fornarotto Trevor F. Gibson Cassandra A. Good, PhD Kristen L. Gyulafia Richard E. Hekemian Monica T. Holland Matthew F. Honigman+ Jamila E. Jarmon Oriana M. Korin Emily C. Kowalski Jill H. Kunkes Dan LeClair Andrew C. Ledbetter Shaun E. Lenet Caroline C. McGee Samantha A. McGovern Kelly D. McLaughlin Rebecca A. Meyer Megan E. O'Rourke Colleen D. Paletta Christopher R. Percopo Richard A. Pugh David M. Robinson Sherri Rose Lauren A. Schleyer-Hinchey Katherine F. Smiles Paul R. Stavast Deborah O. Tisdale

Jennifer L. Tommervik

Monique A. Tronchin Yao P. Tyus Gina Wasserman Vanessa M. Weishrod Amanda K. Wright

Christine Y. Albert

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In Remembrance

We note with regret the passing of the following members of the Columbian College community:

Distinguished and Emeritus Professor of Physics Herman Hedberg Hobbs, BS '53, MA '55, spent more than three decades at GW teaching quantum physics, solid-state physics, and astronomy. He received the 1986 Columbian College Award for Excellence in Teaching, and two service awards and four certificates of appreciation from the Alumni Association. The former physics chair served on numerous university councils and committees. His research interests were in the area of metal-whisker crystal growth.

Eva Jospe, professor in the Department of Religion for nearly three decades, died in January in Jerusalem at the age of 97. An esteemed colleague and effective and beloved teacher with a warm, caring approach to her students, Jospe was renowned for her work as an editor and translator of the works of Martin Buber, Franz Rosenzweig, and Hermann Cohen.

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Thelma Z. Lavine, the Elton Professor of Philosophy from the mid-1960s to 1985, is remembered for the excitement

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she brought to the classroom—always dramatic in manner and always patient and generous with her students. Described as "an evangelist for philosophy" in a Washington Post profile, Lavine's best known work, "From Socrates to Sarte," began as a 30-part series of her lectures initially broadcast on Maryland Public Television and later shown on PBS stations across the country.

Fervent supporter of literature and the arts, and a lawyer by profession, **Ronald E. Pump**, BA '64, was a founding member and then valued emeritus member of Columbian College's National Council for Arts and Sciences. His philanthropy included a significant gift to establish The Ronald E. Pump Endowed Scholarship Fund to support Columbian College students in need of financial assistance.

Raymond E. Thomas, BA '55, MA '57, MPHIL '71, professor emeritus of statistics, joined the faculty full-time in 1957 after receiving his master's in statistics. From 1964 to 1974, Thomas served as director of the GW Academic Computer Center. He later returned to teaching statistics and computer science before retiring in 1991. An avid tennis player, he spent some of his free time teaching the game at GW.



"WILL THERE BE POETS TOMORROW TO SOOTHE THE MINDS, ARTISTS WHOSE CANVASSES CAPTURE THE BEAUTY AND NUANCE OF THE HUMAN SPIRIT, OR NOVELISTS WHO ENRICH AND EXCITE OUR IMAGINATION?"

RON PUMP ALUMNUS AND PHILANTHROPIST

Associate Professor Emeritus of English William L. Turner was an active member of the GW community for more than four decades. He joined the English Department in 1941 and served as an assistant dean before retiring in 1976. Turner was a founding member of the GWU Faculty Club and the GWU Society of the Emeriti, and a docent at the Hillwood Museum and Washington National Cathedral.

Professor Emeritus of English

Edward R. Weismiller, a
renowned expert of John

Milton's poetry, gifted writer,
and Rhodes Scholar, came to
GW in 1968 and enjoyed a long
and distinguished career before
his retirement in 1980. His
numerous awards and accolades
include the Yale poetry prize, a
Guggenheim Fellowship, and
the 2001 Robert Fitzgerald
Prosody Award for lifetime
contribution to the study of
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