Shirley M. Tilghman, president of Princeton University since 2001 and a leader in the fields of science and American higher education, will step down as Princeton’s 19th president at the end of this academic year. Tilghman informed the Board of Trustees of her decision at the board’s regular September meetings.

“Shirley Tilghman has provided exceptional leadership for Princeton over these past 11 years, building on its distinctive strengths and pioneering important new initiatives in areas ranging from neuroscience, energy research and the arts to internationalization and campus life, while also providing national leadership on a broad range of issues,” said Kathryn A. Hall, chair of the Board of Trustees. “We are deeply grateful for her service as president, and we are very pleased that she will remain a member of our faculty.”

In a letter emailed to all students, faculty, staff and alumni, Tilghman said “I believe that together we have made Princeton a stronger and more vibrant University.” There is a “natural rhythm to university presidencies,” she said, and with “major priorities accomplished or well on their way to being realized, and the [recently completed $1.88 billion Aspire fundraising] campaign successfully concluded, it is time for Princeton to turn to its 20th president to chart the path for the next decade and beyond.”

In the early years of her presidency, she said, “I learned about the many things we do exceedingly well and must preserve as our first priority, but I also identified aspects of the University where we could do better and where we needed to grow, ... I am exceedingly proud of what we have accomplished over the past 11 years. Together,” she said, we: 

Continued on page 2

Campus construction, renovation projects move forward

The start of the academic year marks milestones for campus construction projects, including the final phase of Princeton University’s solar collector field, which will produce solar power to support the University’s annual electrical needs.

Following a summer buzzing with activity, progress on new buildings and renovated facilities will continue this fall. Among the next steps for ongoing projects: Interior work will begin at the Neuroscience and Psychology buildings; the foundation will be laid for the Audlinger Center for Energy and the Environment; and demolition will commence to make way for the new Lakeside graduate community.

Updates on the following projects were provided by the Facilities Organization units, including the Department of Campus Energy and Utilities, Grounds and Building Maintenance, the Office of Design and Construction, and the Office of Real Estate Development, which oversee different projects within the University’s 10-year Campus Plan.

Solar collector field: Installation of the University’s solar collector field, comprising 16,500 photovoltaic panels across 27 acres in West Windsor, is scheduled to be completed this fall. The system will produce solar power to support the University’s annual electrical needs.

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What’s inside?

- Office serves as town-gown bridge
- Aspire campaign exceeds fundraising goal
- Bakos hunts for extrasolar planets

Continued on page 5

Rouse selected as Wilson School dean

Shirley M. Tilghman has announced that she will step down as president of the University in June. Tilghman, Princeton’s 19th president, has led the University since 2001. Above, she enters the University Chapel for the Opening Exercises ceremony in September.

Continued on page 2

Office serves as town-gown bridge
Aspire campaign exceeds fundraising goal
Bakos hunts for extrasolar planets
Rouse selected as Wilson School dean
To our readers

Beginning with this issue, the Princeton University Bulletin is moving to a bimonthly publication schedule, for a total of 7 issues from October 2012 through the 2012-13 academic year. A full publication schedule is available at www.princeton.edu/bulletin.

The reduction in publication is part of continuing sustained efforts across campus, as well as changes published weekly during the academic year. In 2009-10, the Bulletin moved to a monthly publishing schedule for the academic year, for a total of 15 issues. In 2010-11, the Bulletin shifted to a monthly publishing schedule during the academic year, for a total of 10 issues. The Bulletin includes news and feature stories, most of which are originally published on the Princeton homepage at www.princeton.edu, the primary source for news about the University. Due to the publication schedule, the Bulletin will no longer include the “Nassau Hall” events section and calendar listing.

A list of University event calendars may be viewed at www.princeton.edu/main/news/events/calendars, and campus community members may use online submission forms to suggest news stories or offer event notices for publication online at www.princeton.edu/main/news/share.

The new rate for paid subscriptions to the Bulletin is $55 for the academic year. Anyone may subscribe by sending a check payable to Princeton University to Office of Communications, 22 Chambers St., Suite 201, Princeton, NJ 08542.

Facilitating the work of members who wish to own a home delivery of the Bulletin — as well as manage their subscriptions to other campus publications — may visit the University’s online subscription management Web page at www.princeton.edu/main/link/options.

For questions about the changes, contact Managing Editor Ushma Patel at upatel@princeton.edu. For subscription questions, contact Subscription Manager Elizabeth Patten at epatten@princeton.edu.

Spotlight

Name: Jessica Dagci

Position: Special collections assistant at Marquand Library of Art and Archaeology. Managing day-to-day operations and maintaining the library’s substantial rare books collection. Hiking, training and supervising student and casual workers. Handling facility upkeep, including sophisticated access control systems and environmental systems. Helping to coordinate the work of four support staff. Ensuring continuity of service and implementation of policies, and sharing on-call duties to respond to emergencies.

Quote: “I love working with students. I just finished a masters degree in Teaching College, Columbia University; working with students made me want to continue and that pursuit with students in higher education, helping them become effective citizens. It’s great working with so many amazing students and colleagues. Working with rare books is wonderful, too. We have some really remarkable items in the collection. We have people from around the world who come to collect the collection because Marquand is one of the premier art libraries in the world.”


Submit news

The stories published in the Princeton University Bulletin are drawn from the University’s main website. To suggest news items for coverage, submit your requests to www.princeton.edu/main/news/events/calendars, and campus community members may use online submission forms to suggest news stories or offer event notices for publication online at www.princeton.edu/main/news/share.

Submit events

To submit event notices for the Featured Events calendar on the main University website, visit www.princeton.edu/main/news/events/calendars.
Cecilia Rouse named Woodrow Wilson School dean

Cecilia Rouse, a Princeton faculty member for two decades who is the Lawrence and Shirley Katzman Professor in the Economics of Education, has been selected as dean of the University’s Woodrow Wilson School of Public and International Affairs, effective Sept. 1, 2012.

Rouse, a well-known scholar of the economics of education, is the found- ing director of the Princeton Education Research Section and a member of the National Academy of Education. She is a senior editor of The Future of Children, a policy journal published by the Wilson School and the Brookings Institution, and serves on the editorial board of the American Economic Journal: Economic Policy.

From 2009 to 2011, Rouse served as a member of President Barack Obama’s Council of Economic Advisers, a three-member panel that provides the president with the school’s analysis and advice on a wide range of domestic and interna- tional economic policy issues.

“It is a great pleasure to announce the appointment of Cecilia Rouse as the dean of the Woodrow Wilson School,” said Princeton President Shirley M. Tilghman. “Her scholarly distinction in the fields of labor economics and education policy, coupled with her extensive experi- ence in Washington, epitomize the best of the school’s tradi- tion of applying rigorous social science research to inform public policy. She is also highly regarded as a dedicated teacher and mentor to her students. I look forward to working with her as she builds upon the great strengths of the school.”

Rouse said she was honored to be selected as the school’s next dean.

“I am delighted to be offered this opportunity to serve as dean of the Woodrow Wilson School, where I have very happily taught and conducted research for the past 20 years, and to build on the exceptional leadership of my predecessors,” Rouse said. “My goal will be to elevate even further the school’s stature and impact in the policy arena — it should be the go-to place for anyone interested in dynamic, insightful, timely domestic and international policy analysis and dialog, and where a diverse set of undergraduate and gradu- ate students are trained to become the policy leaders of the future.”

Rouse’s primary research interests are in labor economics with a focus on the economics of education. Rouse joined the Princeton faculty in 1992 after earning her Ph.D. in economics from Harvard University. That same year, she joined the Industrial Relations Sec- tion, and later served as director of the section, from 2006 to 2009. In 2001, she started the Education Research Section, an interdisciplinary unit within the Industrial Relations Section and the Wilson School that promotes the use of research in education decision-making.

She worked for a year in the White House at the National Economic Coun- cil from 1998 to 1999.

While most of Rouse’s scholarly work has focused on domestic policy issues, she has researched poverty in Sri Lanka and unions in South Africa. She spent the year following receipt of her under- graduate degree from Harvard studying at L’Université de Cheikh Anta Diop in Senegal.

Rouse will succeed Christina Paxson, who resigned in June after three years as dean of the Wilson School to become president of Brown University. Anne Case, the Alexander Stewart 1886 Pro- fessor of Economics and Public Affairs, served as interim dean.

Board approves seven faculty appointments

The Princeton University Board of Trustees has approved the appoint- ment of seven faculty members, including two full professors and five assistant professors. The trustees also approved the appointment of Assistant Professor of Near Eastern Studies Liora Halperin to be effective July 1, 2012, rather than Sept. 1.

Professor Amruta Bhattacharjee, in astrophys- ical sciences, joined the faculty effective Aug. 27, 2012, from the University of New Hampshire, where he had been a faculty member since 2003. He previ- ously served as a research fellow at the University of Texas-Austin and taught at Columbia University and the University of Iowa.

Bhattacharjee’s research focuses on theoretical plasma physics, and his research interests and publications cover magnetic reconnection, turbulence and singularity formation, kinetic theory, free-electron lasers and complex plas- mas. He holds a bachelor’s degree from the Indian Institute of Technology, master’s degrees from the University of Michigan, and a Ph.D. from Princeton.

Professor Patrick Kehoe, in mechanical and applied engineering, joined the faculty on Jan. 1, 2012, from the University of Cambridge, where he has taught since 2004. Previously, he was an instructor at the Massachusetts Institute of Technology.

Kehoe specializes in partial gen- eral relativity and mathematical physics. His publications include numerous papers on the formation and stability of black holes. Kehoe received his B.A. from Harvard University and his Ph.D. from Princeton.

Assistant professor Emmanuel Abe, in electrical engineer- ing and applied and computational mathematics, began his term Sept. 1, 2012. Abe specializes in information theory, and he previously was a post- doctoral fellow at Ecole polytechnique federale de Lausanne, where he received his bachelor’s and master’s degrees. He holds a Ph.D. from MIT.

Simone Giombi, in physics, joined the faculty on Sept. 1, 2012. Formerly a post- doctoral fellow at Perimeter Institute for Theoretical Physics in Ontario, Giombi’s research focuses on high energy theory. He received his B.S. from the University of Bologna and his Ph.D. from Stony Brook University. He previously was a postdoctoral fellow at Harvard.

Assistant professor Michael Mueller, in mechanical and aerospace engineering, began his term on Sept. 1, 2012. A specialist in thermal sciences, Mueller received his B.S. from the University of Texas-Austin and his Ph.D. from Stanford University.

The following appointments are for three-year terms:

• Emmanuel Abe, in electrical engineer- ing and applied and computational mathematics, began his term Sept. 1, 2012. Abe specializes in information theory, and he previously was a post- doctoral fellow at Ecole polytechnique federale de Lausanne, where he received his bachelor’s and master’s degrees. He holds a Ph.D. from MIT.

• Simone Giombi, in physics, joined the faculty on Sept. 1, 2012. Formerly a post- doctoral fellow at Perimeter Institute for Theoretical Physics in Ontario, Giombi’s research focuses on high energy theory. He received his B.S. from the University of Bologna and his Ph.D. from Stony Brook University. He previously was a postdoctoral fellow at Harvard.

• Michael Mueller, in mechanical and aerospace engineering, began his term on Sept. 1, 2012. A specialist in thermal sciences, Mueller received his B.S. from the University of Texas-Austin and his Ph.D. from Stanford University.

• Rahul Pandharipande, professor of mathematics, to accept a position at the Swiss Federal Institute of Technology, effective Sept. 1, 2012.

The following faculty members have submitted their resignations:

• Arthur Calderbank, professor of electrical engineering, mathematics and applied and computational engineering, to accept a position at Duke University, effective Sept. 1, 2011.

• Matthew Dennis, assistant professor of mathematics, to accept a position at Stanford University, effective July 1, 2012.

• Gustav Holzegel, assistant professor of mathematics, to accept a position at Imperial College London, effective Sept. 1, 2012.

• Patrick Kehoe, the Walker Professor of Economics and International Finance, to accept a position at the University of Minnesota, effective July 1, 2012.

• Rahul Pandharipande, professor of mathematics, to accept a position at the Swiss Federal Institute of Technology, effective Sept. 1, 2012.

The Board of Trustees has approved the promotions of three faculty members, all effective July 1, 2012. The faculty members and their depart- ments, by the academic rank to which they are being pro- moted, are:

Professor — Adam Elga, philosophy; Thomas Kelly, philosophy; and Dmitri Tymoczko, music.

More news on the Web

Visit the News at Princeton Web page at www.princeton.edu/main/news for recent stories, such as:

• Microorganisms that crashed to Earth embedded in the fragments of distant planets might have been the spores of life on this one, according to new research from Princeton University, the University of Arizona and the Centro de Astrobiologia in Spain.

• A groundbreaking survey of Pakistanis has found stronger support for militant groups among the middle class than the poor. The finding by a team includ- ing Princeton researchers challenges the conventional wisdom about links between economic status and views on militants that has helped shaped American foreign-aid policies since 2001.

• The Cooperative Institute for Climate Science at Princeton University recently received more than $3 million in new federal funding intended to support climate science and education.

• David Brie and Michael Freedman, two Princeton University computer sci- entists, have received the 2012 Presidential Early Career Award for Scientists and Engineers, the highest honor bestowed by the U.S. government on science and engineering professionals in the early stages of their research careers.

• International leaders in the fields of philosophy and history, public health, neuroscience and biophysics, and Eastern European history and politics will visit Princeton for terms starting in the academic years 2012-13 and 2013-14 in the University’s Global Scholars Program.

• Princeton University researchers Sanjeev Arora, Manjul Bhargava, Amit Singer and Frans Pretorius netted four of the 21 inaugural Simons Investigators awards recently presented to outstanding scientists nationwide in mathemat- ics, physics and computer science. Princeton received the most awards of any institution.

• University officials have submitted plans to the Princeton Borough Zon- ing Board of Adjustment for proposed renovations to 20 Washington Road. The academic building is slated to become the home of the Department of Economics, several international offices and the Princeton Institute for Inter- national and Regional Studies.
Community ties

This issue of the Princeton University Bulletin is being mailed to residents of the local community on behalf of the Office of Community and Regional Affairs.

Led by Kristin Appelget, director of community and regional affairs, and Karen Woodbridge, director of community relations, the office serves as a bridge between the University and the community. Staff members work with county and municipal government officials, and with a wide variety of community organizations, to enhance the quality of life throughout the Princeton region.

The office manages University/community relationships in areas involving financial contributions, land use, affordable housing, transportation, environmental impact and local economic development. Staff members also oversee a wide array of community relations initiatives, such as the Community Auditing Program and the Program in Continuing Education, the Surplus Equipment Donations Program, and the community use of University facilities. The office also assists in the coordination of the program in which Princeton University employees serve as volunteer firefighters with the Princeton Fire Department.

In addition, the office participates in the organization of numerous arts and entertainment initiatives for the campus and the community, such as Community and Staff Day at Princeton Stadium and the Communityuniversity spring festival. For more information about the Office of Community and Regional Affairs, call 609-258-3204, visit 22 Chambers St., Suite 101, or go online at www.princeton.edu/community.

Residents invited to Community and Staff Day

Local residents are invited to Community and Staff Day, the annual celebration of sports and entertainment, beginning at 10 a.m. Saturday, Nov. 3, in Jadwin Gymnasium.

The event will feature activities for all ages and interests, including a “Family Fun-Fest,” final judging of the Sustainability Superhero Trash Art contest at 11 a.m., a youth sports clinic for children ages 5 to 13 hosted by Princeton University athletes from 11:30 a.m. to 12:30 p.m., and the Princeton vs. Penn football game, which begins at 1 p.m.

Admission to the “Family Fun-Fest” and the youth sports clinic is free. Participants in the youth sports clinic will receive a complimentary ticket to the football game. Parents and guardians will be able to purchase $5 game tickets at the clinic entrance.

For more information, call 609-258-5144; for advance ticket purchases, call 609-258-4849. Additional information is available on the Princeton Athletics website at www.goprincetontigers.com and the Office of Community and Regional Affairs website at www.princeton.edu/community.

By the numbers

Dozens of Princeton University students, faculty, staff and alumni supply thousands of hours of volunteer support to the Princeton Fire Department and Princeton First Aid and Rescue Squad each year.

Princeton First Aid and Rescue Squad (PFARS):

• Of the 102 riding members of PFARS, half have University ties; 34 are current students and 17 are alumni or University employees.
• Of the 13 members on PFARS’s executive committee, six are Princeton students and three are University alumni or staff.
• Of PFARS’s top 10 ambulance call responders in 2012, six are Princeton University students.
• Of the 12 squad members who have responded to the more than 100 ambulance calls in 2012, eight are students at the University. As of Sept. 1, those eight students had gone on a combined 1,132 calls.

Source: Facilities Organization and Princeton First Aid and Rescue Squad

“Circle of Animals/Zodiac Heads,” a series of 12 monumental sculptures by the renowned Chinese artist and social activist Ai Weiwei, has been installed on Scudder Plaza in front of Robertson Hall. The bronze sculptures are about 10 feet high, and they will be on display until Aug. 1, 2013. To learn more about the exhibition and the artist, visit www.princeton.edu/aiww.
Andlinger Center for Energy and the Environment: This summer marked the completion of excavation of the site, a process that involved grading — rather than blasting — bedrock in order to reduce disruptions for occupants in nearby buildings. The three-story facility, which will be home to the Andlinger Center for Energy and the Environment, will extend one story below grade and include specialized engineering laboratories, offices, support spaces and a lecture hall. Concrete operations to lay the foundation are underway, and erection of the building’s steel frame is expected to start this winter. The 129,000-square-foot structure, to be located at the corner of Olden and Prospect streets, has been designed by Tod Williams Billie Tsien Architects of New York.

Washington Road stream: The restoration of the Washington Road stream, which flows into Lake Carnegie near Faculty Road, was completed this summer. The project aims to reduce erosion and other damage to ecosystems in the area, as well as improve the water quality of the stream and lake. The reconfiguration was engineered by Vanasse Hangen Brustlin of Water- town, Mass., and involved: widening the stream; reducing its existing slope through the use of step pools; recon- figuring the flood plain; and placing approximately 300 new trees and 2,000 plantings around the Washing- ton Road valley. The University will spend the next five years monitoring the success of improvements to the landscape over the next five years.

Firestone Library: A reconfigured lobby greeted students and faculty returning to the University as part of the second phase of the comprehen- sive, 30-year renovation of Firestone Library. X-raying of the changes, such as the temporarily relocated security desk and temporarily relocated circula- tion and reserve service counter, are interim steps toward creating a more open lobby and adding reader spaces on the first floor. The building’s main staircase will remain closed until January 2013 for permanent improve- ments to the states, including a new skylight installation. Work also will continue in a large area of the A Floor to upgrade mechanical systems, and improve much of the collection and study spaces. The library will remain open and occupied throughout the long-term project designed by Shep- ley Bulfinch architects of Boston with Frederick Fisher Partners of Los Angeles.

Bedford Field: Bedford Field recently opened as the new home of the Princeton football hockey team, following work this summer to convert the ground from grass to artificial turf. Drainage improvements also were completed as part of the project’s first phase. The final phase will begin in spring 2013 and will include a grandstand, field lighting, press box modifications and a new building, designed by Marble Fairbanks of New York, with team rooms and bathrooms. The press box and outbuilding will be shared with the tennis and women’s-lacrosse teams, which use the adjacent Class of 1952 Stadium.

Jøske Hall: The four-year phased renovation of Jadwin Hall, which houses the Department of Physics, continues this academic year with work focused on the 2nd floor and B level. By the time the project is completed in fall 2013, the entire building will be outfitted with new energy-efficient heating, ventilation and air-conditioning systems, energy- efficient lighting and building controls, new windows, and upgraded sprinkler and fire alarm systems. Offices, labora- tories, classrooms and lobby spaces also have been refreshed and updated as part of the project’s first phase.

Hoyt Laboratory: The ongoing renewal of Hoyt Lab will provide new mechan- ical, electrical and laboratory systems throughout the 34,000-square-foot structure, which is intended to extend the building’s life and make it more efficient. Interior renovations will continue this fall to create specialized laboratory and administrative spaces to accommodate biological engineer- ing research affiliated with the School of Engineering and Applied Science. Hoyt Lab has been offline since the chemistry department moved to the new Fick Chemistry Laboratory in fall 2010.

West College waterproofing: Waterproofing the West College basement was one of many university mainte- nance projects completed this summer, though working without damaging the historic building’s ivy presented a unique challenge. The project required digging a hole around the admission of Kendall quadrangle near the ivy’s base, to seal the exterior below grade. Grounds and Building Maintenance staff prepared the site by dig- ing up the roots, wrapping them in burlap and placing them in wooden boxes anchored to the building. As the waterproofing was finished in sections, the ivy was replanted.

Lakeview: The former Hibben and Magie apartments will be demolished this fall to make way for the new Lakeside housing capacity at the University, which will house up to 715 residents in 329 units. Preparations for con- struction of a parking garage and the facility’s geothermal heating and cooling system will happen at the same time. The project, which is expected to finish in summer 2014, will expand housing capacity at the site located south of Faculty Road and east of Alex- ander Street along Lake Carnegie. The project team includes the architectural firm of Studio Ma of Phoenix and Prince- ton, and developer American Communities of Austin, Texas.

Olden House: Olden House, developed by local architect and developer J. Robert Hillier of Princeton, will pro- vide 18 apartments for visiting faculty members. Following demolition this summer of two unoccupied townhomes owned by the University, construction is expected to begin this month on the 11,779-square-foot building at the corner of Olden and Willi- ams streets. It is scheduled to open in summer 2013.

People

Stuart Leland has been named Princeton University’s first director for research integrity and assurance, to which he brings 20 years of experience in laboratory research and in research com- pliances. His appointment was effective Aug. 15.

Reporting to Dean for Research A. J. Stewart Smith, Leland oversees the campus committees that help Princeton researchers ensure that their research involving human, animal and biological research is in line with various regulations, laws, policies and guide- lines. In addition, Leland will make sure that researchers are aware of and properly address any financial conflicts-of-interest in their work. He hopes to create an electronic management system to make Prince- ton’s compliance processes both more efficient and more effective at making sure that proposals have been thoroughly considered.

In Animal Resources, Leland has worked in the pharmaceutical company Merck and Co., where he was director of North American holdings of the company. He also has worked with research and veterinary investigates at Wyeth Research and Aventis Pharmaceu- ticals. He has also worked on the Animal Care Committee and the University of Pennsylvania’s Institute for Human Gene Therapy and University Labo- ratory Animal Welfare, and the University of Washington’s regional primate research center.

Leland is a board-certified labor- atory-animal veterinarian and completed his postdoctoral fellowship at Yale University. He received his doc- tor of veterinary medicine degree from Cornell University in 1988 and his bachelor’s degree in animal science from Cornell University in 1984.

Stefanie Karp, who has an extensive law enforcement background as a labor, investigative and university official, has been appointed director of operations and development for the Princeton Uni- versity Department of Public Safety.

Karp, director of operations and external affairs for the University of Penn- sylvania Division of Public Safety the past four years, began her Princeton duties Sept. 24. She is responsible for the department’s day-to-day operations and is second in command to Execu- tive Director of Public Safety Paul O’Neil.

Karp earned a bachelor of arts in political science from Pennsylvania State University, a juris doctor degree from Temple University School of Law in 1993.

With 15 years of law enforcement in Pennsylvania, she has served as a legal clerk, deputy attorney general, narcotics agent and assistant district attorney. She has also worked at Lex- isNexis, PricewaterhouseCoopers and Aon Risk Services Inc.

At the University of Pennsylvania, she was responsible for internal and external communications, strategies and managing initiatives and strategies for the university police department, communications, fire and emergency services and other areas.

Photograph by Mahlon Lovett

Workers from Play Safe Turf & Track of Ithaca, N.Y., installed artificial turf at Bedford Field this summer. The process involved sewing the turf to the ground in the sections.
The five-year Aspire campaign, which ended on June 30, exceeded its $1.88 billion — substantially more than any campaign in Princeton’s history — to support the University’s growth of teaching and research as well as its efforts to prepare students from a wide range of backgrounds for leadership in a complex world.

“The success of this collective effort to strengthen the University to better serve the nation and the world is a trib-ute to the dedication, enthusiasm and generosity of our alumni, parents and friends,” said Princeton President Shirley M. Tilghman. “In countless ways, the campaign has advanced our traditional strengths while allowing us to break new ground and prepare to achieve our highest aspirations for the years ahead.”

The campaign focused on a carefully determined set of priorities: strengthening the core Princeton experience; providing unrestricted funds through the Annual Giving program for efforts such as the University’s ground-breaking financial aid program; and enhancing the University’s efforts in engineering and the environment, the creative and performing arts, neuroscience and many other disciplines that intersect with a wide range of backgrounds for leadership.

More than 65,000 donors (undergraduate and graduate alumni, corporations and foundations, parents, and friends) — including more than 77 percent of all undergraduate alumni — contributed to the campaign to help Aspire. In June, as the campaign was coming to an end, representatives from around the world were guided under the “Aspire” banner through the efforts of volunteers. The friends contributed a total of more than $600 million, with alumni, parents and graduate alumni participation rate of $57.2 million, with an under-graduate class, graduate alumni and 25 new graduate fellowships.

Aspire since it was launched in Novem-ber 2006, the campaign has focused on a carefully determined set of priorities: strength-enment of the creative and performing arts, neuroscience and many other disciplines that intersect with a wide range of backgrounds for leadership.

Aspire’s final three years, he was succeeded by Kelly Doherty of the Class of 1983, who took over as head of the University’s Office of Alumni Affairs, with the charge of looking after the University’s alumni network and raising funds.

In engineering and a sustainable soci-ety, a $100 million gift from Gerhard R. (Gerry) Andlinger, a 1932 alumnus, established the Andlinger Center for Energy and the Environment, which focuses on sustainable energy develop-ment, conservation and environmental protection, in the School of Engineering and Applied Science. The campaign also led to the creation of a center for innovation in engineering education, which encourages interdisciplinary academic theory to practical needs in order to develop solutions to a variety of problems.

The Grand Challenges Initiative, a collaboration among the School of Engineering and Applied Science, the Woodrow Wilson School of Public and International Affairs, and the Princeton Environmental Institute, provides an opportunity for faculty and students to work together to develop sustainable energy, combat emerging infectious diseases, and overcome natural resource limitations in developing countries. And a new building — Sherrerd Hall — now serves as the home of the Department of Operations Research and Financial Engineering and the Center for Infor-mation Technology Policy.

Two major funds have been created to support groundbreaking research: a transformative technology fund, for the development of new technologies that have the potential to enable significant scientific advances; and an innovation fund for engineers who wish to pursue projects that may be outside the traditional area of expertise or are too speculative to attract conventional funding.

In neuroscience, as part of the cam-paign established three major centers of research within the Princeton Neurosci-ence Institute. Projects include the study of physiology behind human behavior and to discover information that may aid in the battle against neurological disor-ders: a center for systems neuroscience; a center for the neuroscience of mind and behavior; and a center for neural circuit dynamics. Several multimillion dollar gifts also are funding a new com-plex, currently under construction, to house the institute and the Department of Psychology.

In global citizenship, gifts are back-ing initiatives that help give students a more international and multicultural perspective and that enable the exchange of ideas across national borders; and centers that promote a better understanding of subjects that affect the creation of effective public policies. One such initiative is the Bridge Year Program, which allows small groups of incoming freshmen to defer their enrollment for a year to engage in public service while immersive effort in another country.

A global fellows program, which brings promising early-career faculty members from around the world to cam-pus, is being established, and a center for globalization and governance, which brings together students and faculty from economics, history, sociology and political science to explore the academic and policy dimensions of globalization and international governance, was endowed.

Two newly supported centers will focus on economic literacy, with the goal of giving leaders the knowledge they need to create sound public policies. A center for public policy and finance within the Woodrow Wilson School of Public and International Affairs is a hub for study across various disciplines that intersect with public policy and finance — including eco-nomics, operations research, political science, history and ethics. A center for economic policy studies brings together experts in academia, government and industry for frank discussions about critical financial issues.

The campaign also is providing sup-port for various aspects of teaching, residential life and athletics — ele-ments that make up a large part of the core Princeton experience for students. Generous support for the financial aid program allowed the University to meet the increased need for aid during the recent financial crisis. And Prin-ceton’s hallmark freshmen seminars gained additional funding. Students also will have more opportunities for community service, thanks to the campaign.

Butler College, first constructed in 1964, was rebuilt as a state-of-the-art dormitory complex composed of five new residence halls funded by gifts. Princeton’s athletics program benefited from support for renovated and new facilities, including venues for football, soccer, lacrosse and tennis. Alumni also endowed the directorship of athlet-ics and a range of other opportunities for varsity and recreational ath-letes. The campus was made safer for pedestrians by a new bridging William Street.

A final report on the Aspire cam-paign, including an honor roll of donors who gave $1 million or more in the fall. Aspire was the fourth and largest formal fundraising campaign in Princeton’s 256-year history.

Aspire campaign raises record $1.88 billion for Princeton

More Aspire news on the Web

- Princeton’s 2011-12 Annual Giving campaign raised $57.2 million – the highest total in Annual Giving history – with 60.8 percent of undergradu-ate alumni participating.
- A $5 million gift from Nancy A. Nasher and David J. Haemisegger of Dal-las, both members of Princeton University’s Class of 1976, will endow the directorship of the Princeton University Art Museum.
- A $4.5 million gift from Allen R. Adler, a member of Princeton’s Class of 1967, and his wife, Frances Beatty Adler, will endow a curatorship, lect-uresship, and a programs and exhibition fund at the Princeton University Art Museum.
- Michael Novogratz, a member of Princeton’s Class of 1987, and his wife, Suley Caevels Novogratz of the Class of 1988, have given $4 million to establish a fund to support the University’s Bridge Year Program, which enables newly admitted students to spend nine months serving a local community in another country.
- The Andrew W. Melton Foundation has awarded Princeton a $3.3 million challenge grant to support the University’s creation of the Fellows in the Creative and Performing Arts program, which will bring innovative early- to mid-career artists to campus.

Employee retirements

Effective June 1, 2012: in Building Services, lead janitor Thomas Carnamdy, after 20 years; and in PTI Support Services, administrative specialist Robert Hurd, after 10 years.

Effective July 1, 2012: in the Office of Information Technology (IT) Sup-port Services, administrative specialist Manjit Shalla, after 21 years; in athletics, assistant manager for business opera-tions, Carol McQuaid, after 38 years; and in the library, biographic specialist Alice Dickey, after 39 years; in chemistry, gradu-ate student, Dhanalakshmi Madhavan, after 12 years; in athletics, senior associate director Ingeborg Radice, after 29 years; in the library, Jane Digby, after 21 years; in athletics, depart-ment office support staff member Carol Weston, after 15 years; in PTI Support Services, administrative specialist Velvet White, after 10 years.

Effective August 2, 2012: in develop-ment capital giving, senior adviser for creative strategy Judit Friedman, after 17 years; and in administrative assistant Patricia Lents, after 15 years.

Employee obituaries

Current employees


Retired employees

Benefits plan changes coming for open enrollment

The University’s annual benefits open enrollment period will run from Monday, Oct. 15, through Friday, Nov. 16, during which time faculty and staff can make changes to their benefits plans that will become effective Jan. 1, 2013. Several important changes to benefits will be explained in greater detail in mailings to employees’ homes on or about Oct. 12. After Nov. 16, employees will be able to make changes to their benefits plans in 2013 only if they experience a qualifying status event. The Human Resources Benefits Team will be available throughout open enrollment to answer questions.

Medical plan changes

To simplify choices, the preferred provider organization (PPO) and point-of-service (POS) health plans will be consolidated into the new Princeton Health Plan (PHP). The new PHP will be offered through both Aetna and UnitedHealthcare (UHC). This change is expected to improve the overall level of medical benefits and save money for employees and the University. Employees who are currently enrolled in the PPO or POS plan and do not elect a new plan during open enrollment will be automatically enrolled in the PHP and UHC network provider, i.e., Aetna or UHC.

Both the PHP and Aetna HMO plan will offer 100 percent coverage for in-network preventive service. A 20-minute presentation about the medical plan changes and how employees can help manage related costs in available online at www.princeton.edu/hb/o.

On-campus lab services now available

Aetna and UnitedHealthcare members in the Princeton health plans may now have their lab work done on campus at McCoys Health Center at no charge. Interested employees should call University Health Services to book an appointment or check hours for a walk-in visit.

Urgent care services

Aetna and UnitedHealthcare members in the Princeton health plans may go to St. Peter’s Urgent Care Center, in-network, for non-life-threatening medical care. Examples include care for a possible sprain or broken bone or the need for stitches. The center is located at 630 Brunswick Ave., about 10 minutes north of campus on the southbound side across from the Montgomery Center.

Payment account changes

We have consolidated our payment account contribution amount that faculty and staff can elect for the Health Benefit Expense Account (HBEA) for 2013 is decreasing from $5,000 to $2,500 as required by health care reform. The contribution amount for members of the DCEA is not changing.

Benefits fairs

Benefits Fairs will be held from 10 a.m. to 2 p.m. on Wednesday, Oct. 24, in the Lyric Theater Building at the Princeton Plasma Physics Laboratory, and from 10 a.m. to 2 p.m. on Thursday, Oct. 25, in the Foot Campus Center Multipurpose Rooms. Representatives from the various health, welfare and retirement vendors will be present. Reminders and deadlines during open enrollment and throughout the year, follow us on Twitter at twitter.com/PUBenefits.

Faculty obituaries

Leland Allen, a Princeton professor emeritus remembered for his influence on Russian studies at the University and for his love of discussing his wide-ranging professional interests with colleagues and students, died last week due to the acute Glen assisted-living residence in Princeton July 15. He was 85. By his retirement from the University in 2001, Allen, who rose to the rank of professor five years after coming to Princeton in 1960, had become a preeminent and prolific both in academia and public and to the relation between atoms and molecules to attract electrons. His work provided a uniform method for estimating the electronegativity of elements using a universally available and generally intelligible data base.A llen’s aptitude in theoretical chemistry has been attributed to his background in engineering and physics, from which he employed such techniques as mechanics, electricity and magnetism, and the various mathematical methods needed to understand chemical reactions. He attended several universities, including Harvard, where he earned his Ph.D. in theoretical physics at the Massachusetts Institute of Technology in 1956.

Richard Burgi, Princeton University professor emeritus of Slavic languages and literatures, died of natural causes July 26 in Athens. Remembered for his deep understanding of Russian poetry as well as Hellenic studies, he also was known as a mentor to many students.

Allen is also well known for his work in Slavic literature and for his love of discussing his wide-ranging professional interests with colleagues and students, an approach that included his mathematical explanation of electronegativity, which relates to the ability of atoms and molecules to attract electrons. His work provided a uniform method for estimating the electronegativity of elements using a universally available and generally intelligible data base. Allen’s aptitude in theoretical chemistry has been attributed to his background in engineering and physics, from which he employed such techniques as mechanics, electricity and magnetism, and the various mathematical methods needed to understand chemical reactions. He attended several universities, including Harvard, where he earned his Ph.D. in theoretical physics at the Massachusetts Institute of Technology in 1956.

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What particular focus does your work on exoplanets have?

"Anything you can do with a small telescope is of interest to me, especially if that work can be followed up and be used to study the physics of a system. One of the best examples of this dynamic are exoplanets. When my team publishes about a planet, it comes from a collaboration between small and big telescopes. Quite often, we have a small 10-centimeter HAT telescope discover a planet candidate, and then have a 10-meter telescope confirm that it is actually a planet.

Small telescopes have a large field of view and can locate objects of interest with great efficiency. Then, large telescopes can be used for more detailed studies. There are millions of stars in the sky and many of them have planets. Some have tiny planets and others have huge planets. But only a tiny fraction of those have a transit that can be seen from Earth. Small telescopes have a lot of advantages — first and foremost, they are ideal for a large-scale, high-precision photometric survey for discovering transiting extrasolar planets. Also, it’s cheaper in terms of research dollars needed, it’s simple to deploy and to operate. I go to the sites and adjust the components myself. But, most importantly, HATNet is fully dedicated to this research. It’s observing selected areas in the sky I assign to it, nothing else.

Big telescopes are divided between several projects and researchers. The HAT telescopes have been running every night for eight years with full dedication to one subject. That’s a huge advantage of small telescopes.

What specific advantages does HATNet offer?

"One advantage of the HAT telescopes is that they are very well automated. I am here in Princeton and the telescopes are observing from various locations in the world. I can check on the telescope from my computer by logging in to computers at the telescope site and reading a number of weather-sensing devices, including Web cameras that show the instruments in real time. There is a computer in a nearby shed that is basically a well-trained observer in software."

HATNet identifies planets as they transit in front of their star — are there advantages to this technique beyond locating planets?

"When a planet passes in front of the star it causes a dip in the light curve, a variation of the brightness of the star as a function of time. From this we can infer lots of interesting things. One is to measure the size of the planet. If you see the light curve has a 1 percent dip, then you know that the surface area of the planet is 1 percent of the star, that is, the radius of the planet is 10 percent that of the star. From a transiting exoplanet system, you can understand the radius of the planet, the radius of the star, the mass of the planet, the mass of the star, the atmosphere of the planet, the temperature of the planet, how much the orbit is tilted in respect to the stellar spin — you can tell all of this because of the nature of transits."

What important information comes from identifying extrasolar planets?

"Exoplanets have a lot of surprises. For example, the exoplanet HAT-P-7 b orbits in the opposite direction of its star [known as a retrograde orbit]. We at first did not understand how this system formed, but now we have a clue that this planet did not form by providing a better understanding of planetary systems. I don’t think I have the capability to find a habitable planet with HATNet, but telescopes are increasing in size and detection methods are improving. There is a chance that scientists will detect a biosignature in the atmosphere of a nearby planet. That would be in terms of its significance greater than the Copernican Revolution [the acceptance that the sun rather than the Earth is at the center of the solar system] as proposed by Polish astronomer Nicolaus Copernicus in 1543. Imagine that someone provides scientific evidence that there is life on other planets in the universe. There are so many stars and planets, there has to be, yet, providing the scientific evidence would be a major milestone in mankind’s perception of nature."

What direction will your research take in the future?

"There are so many planets, the excitement prevents me from doing any substantial work on anything else! We are working on analyzing HAT-P-39, -40 and -41, with another five to be confirmed and published. We are 40 to 50 — it is comfortably above my age. That was one of my goals. I am 36 and now we have more planets than I have been alive. I am trying to keep the tools operational."

"But together with [Princeton astrophysical sciences] graduate student Xu Huang, we have started working on public data from Kepler [NASA’s satellite telescope] and she found a lot of transiting planet candidates that have not been found before. I am also considering widescience [NASA’s satellite telescope] and exoplanets, which have not been observed yet. I am also a co-investigator on a proposed space mission led by the Massachusetts Institute of Technology and selected for consideration by NASA in 2001, Transiting Exoplanet Survey Satellite (TESS), that will scan the entire sky. We hope it will find super Earths, habitable planets and even planets that may be habitable."

To the public, exoplanet research is often framed in terms of finding Earth-like planets and life — is this focus misleading?

"In the media, it’s all about looking for life. That is an interesting thing, of course, but we want to understand the physics of planets. All these questions also lead to a much better understanding of how frequent are habitable and inhabited planets. Life and habitability are very good questions and attract the attention of many disciplines — astronomy, biology, physics, philosophy, economics, and so on. It is the sun the physics behind it is sometimes ignored and people are blinded by looking for a habitable planet. As an insider, I say there may be a different human interest in that. It may distort the way projects are designed, missions are planned and how science is developing because everything is trying to address this question of great public interest."

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An artist’s impression of HAT-P-1b (foreground), a “hot Jupiter” 453 light years from Earth and one of the lowest density exoplanets known. A hot Jupiter planet is similar to Jupiter but orbits very close to its parent star. HAT-P-1b takes less than five Earth days to circle its sun.

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Interview conducted by Morgan Kelly