Rouse charts uneven progress toward King’s goal of economic justice

Michael Hotchkiss

At Princeton University’s annual Martin Luther King Jr. Day celebration Jan. 19, Cecilia Rouse, dean of the Woodrow Wilson School of Public and International Affairs, spoke to University and community members gathered at Richardson Auditorium in Alexander Hall for musical performances, remarks by several speakers on King’s legacy and the presentation of the University’s Freshman seminar homes in on university life, from novels to movies. The reading list was bookended by date — 1920 and 2013 — by two novels with a Princeton connection, “This Side of Paradise” by F. Scott Fitzgerald of the Class of 1917, and “The Accursed” by Joyce Carol Oates, the Roger S. Berlind ’52 Professor of English.

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Freshman seminar homes in on university experience through film and fiction

Karin Dienst

Princeton’s newest undergraduates set out on a path of inquiry and discovery last fall through the University’s freshman seminar program. Freshman seminars enable students to build strong relationships with faculty members and classmates in a close-knit intellectual setting. Many students cite the freshman seminar as one of the highlights of their time at Princeton.

Each seminar is held in one of the six residential colleges, and all are open to students from all of the residential colleges. Class discussions often continue in informal settings on and off campus, through meals, guest lectures, field trips and other activities.

In their first semester as Princeton students, 13 freshmen asked a range of questions in class directly relevant to their new situation: What is the purpose of college? How should they approach their time at Princeton? What are the keys to success? Failure in new ventures?

To spark the conversation, the students explored a diverse set of texts about university life, from novels to essays to movies. The reading list was bookended by date — 1920 and 1968.

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What’s inside?

Financial aid budget grows 7.4 percent 3
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Class examines success, failure in new ventures 8
Josef Manuel Barroso, former president of the European Commission, has been appointed the Frederick H. Schultz Class of 1951 Visiting Professor of International and Public Policy, and a policy fellow of the Liechtenstein Institute on Self-Determination (LISD) at Princeton. This appointment in the Woodrow Wilson School of Public and International Affairs began in February.

Barroso will teach at the Wilson School, work with faculty, and deliver public talks. He will also undertake special work within LISD on the European Union (EU) in international affairs, particularly in its relations with Russia, the United States and China.

"Mr. Barroso presented a talk at the Wilson School two years ago that was very well received by the students and faculty," said Cecilia Rouse, dean of the Wilson School. "I am thrilled that he will be here again interacting with students and faculty," said Cecilia Rouse, dean of the Wilson School two years ago that was very well received by the students and faculty.

Barroso, former prime minister of Portugal, was president of the European Commission, and executive body of the EU, from 2004 to 2014. Barroso joined the Social Democratic Party (PSD) in Lisbon in 1973, and was named party president in 1999 and was re-elected three times. He also served as vice president of the European Parliament, and as Portugal’s state secretary for foreign affairs and cooperation, he played a key role as co-chair of the Biscay Accords, which laid out a transition to multi-party democracy in Angola and supported the independence for foreign affairs, he was a driving force in the self-determination process in East Timor (Timor-Leste).

"He was a founding chairman of the Biscay Accords, which laid out a transition to multi-party democracy in Angola and supported the independence for foreign affairs, he was a driving force in the self-determination process in East Timor (Timor-Leste)."

In late 2012, Vrachnos became the inaugural Bridge Year Program working group.

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"She knows Princeton well both as a member of Princeton's Class of 1967, and as chair of the Administrative Strategic Planning Team, her thorough understanding of the University, and her proven talent as an administrator and a writer make her spectacularly well qualified for this important commitment. She will hit the ground running."
Princeton University trustees Jan. 31 approved the University’s operating budget for 2015-16, which includes a 7.4 percent increase to $140.2 million in the undergraduate financial aid budget for next year.

The University’s pioneering financial aid program provides the assistance necessary to make sure that any student who is admitted and needs financial aid can attend. The aid comes in the form of grants, which do not need to be repaid. Approximately 60 percent of all undergraduate students receive aid, and the average grant is more than $40,000 per year. Because no student is required to take out loans, Princeton’s aid program allows its students to graduate debt free.

“Lower net cost,” Princetion University trustees Jan. 31 approved the University’s operating budget for 2015-16, which includes a 7.4 percent increase to $140.2 million in the undergraduate financial aid budget for next year.

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"Our increased financial aid budget will maintain Princeton's commitment to full access for any student who is admitted, regardless of ability to pay and without the need for loans," Provost David S. Lee said. "Typically, students from families with the U.S. median household income of $84,000 pay no tuition and their average grant also covers room, board and other expenses. Most students from all families with incomes up to $140,000 pay no tuition, and for an average family with income around $160,000, grants will cover roughly 90 percent of tuition."

Lower net cost

Lee noted that Princeton's scholarship spending has offset price increases for 16 of the last 15 years and its average annual fee package increase has been among the lowest in the nation for the past 18 years. "As a result, when adjusted for inflation, the average net tuition, room and board for Princeton students on aid today — $13,072 — is 31 percent lower than it was in 2001," Lee said.

Princeton's commitment to access is also reflected in more than doubling the percentage of students receiving Pell grants, to 18 percent for the freshman Class of 2013, up from 7.2 percent for the freshman Class of 2008. Lee said. The budget includes a 3.9 percent increase in undergraduate tuition to $43,450. Even with the increase, Princeton’s total fee package, including tuition, room and board, is likely to be the lowest in its peer group. For the 2015-16 year, Princeton’s full package of $57,610 will be about $630 below the lowest current year (2014-15) fee package of its closest competitors.

The increase in the financial aid budget will fully cover the increase in charges for any students receiving financial aid. Students receiving any level of aid will automatically receive an increase in aid to cover their full financial need. The projected average grant for an undergraduate student in financial aid in next year’s freshman class is $46,350.

Solid financial footing

President Christopher L. Eisgruber presented the budget proposal to the trustees during a meeting Jan. 31. The proposal was based on the recommendations of the the Priorities Committee of the Council of the Princeton University Community, which is made up of faculty, students and staff, and chaired by the provost.

Lee said that while the University is on solid financial footing, it is important to use resources efficiently to fund the University's priorities.

The approved budget includes funding for:

- Additional resources for the McGraw Center for Teaching and Learning and the Freshman Scholars Institute, which supports first-generation and low-income students.
- Resources to implement Princeton University Art Museum plans to provide universal access to digital images and scholarly documentation of its collection.
- Support to assist faculty members and researchers in utilizing the University's significant investment in high-performance computing infrastructure.
- Plans by the Office of Career Services to enhance the diversity of career opportunities available to students, especially in entrepreneurship, non-profits, arts and government.
- Staff to support graduate students and outreach and engagement efforts for Graduate School alumni.

Cost-saving initiatives

Lee said that the University's committee on Strengthening University Management and Resources (SUMAR) has tracked more than 65 projects with a total potential savings of approximately $17.5 million during the last five years. The committee was established as part of the University's enhanced central cost-saving initiatives during the last economic recession as a means to enhance management and continue to identify and implement cost efficiencies. SUMAR's current priorities include emergency preparedness projects, reforming the employee compensation process, upgrading the University's financial systems, and controlling health care costs.

The Priorities Committee report is available for download in PDF format as well as from the Office of the Provost.

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More news on the Web

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

- Vice President for Campus Life Cynthia Cherney will leave Princeton in mid-August to become president and chief executive officer of the International Leadership Association.
- Yu Deng, Evan Hepler-Smith, Catherine Reilly and Kimberly Shepard have been named co-winners of the Porter Ogden Jacobsus Fellowship, Princeton's top honor for graduate students. The fellowships support the final year of study at Princeton and are awarded to students whose work has exhibited the highest scholarly excellence.
- Princeton seniors Yessica Martinez and Jake Robertson have been named co-winners of the University's 2015 Moses Taylor Pyne Honor Prize, the highest general distinction conferred on an undergraduate.
- Princeton graduate alumna Lisa Jackson, vice president of environmental initiatives at Apple Inc. and former administrator of the U.S. Environmental Protection Agency, has been selected as the speaker for the University's 2015 Baccalaureate ceremony. Film director, screenwriter and producer Christopher Nolan has been selected to deliver the keynote address at the University's Class Day ceremony on Monday, June 1, 2015.
- New Princeton research suggests that termite mounds can help prevent the spread of deserts into semi-arid ecosystems and agricultural lands. The results not only suggest that termite mounds could make these areas more resilient to climate change than previously thought, but could also inspire a change in how scientists determine the possible effects of climate change on ecosystems.
- Princeton researchers have built a rice grain-sized microwave laser, or "maser," powered by single electrons that demonstrates the fundamental interactions between light and moving electrons. It is a major step toward building quantum-computing systems out of semiconductor materials.
- The stereotype that women lack natural "brilliance" could explain their under-representation in academia, according to new research based at Princeton.
- A definitive geological timeline from Princeton researchers shows that a series of massive volcanic explosions 66 million years ago played a role in the extinction event that claimed Earth's non-avian dinosaurs, and challenges the dominant theory that a meteorite impact was the sole cause of the extinction.
- As part of a project demonstrating new 3-D printing techniques, Princeton researchers have embedded tiny light-emitting diodes into a standard contact lens, allowing the device to project beams of colored light.
- Princeton researchers have uncovered a previously unknown, and possibly significant, granite deposit near Lake George, New York, that could be one of the largest deposits of granite in the world.
Diversity initiatives include faculty hiring commitment, graduate recruiting programs

Usha Patel

A commitment to help fund the hiring of new faculty members to increase faculty diversity is one of many initiatives Princeton University has undertaken in response to the 2013 Report of the Trustee Ad Hoc Committee on Diversity. The report — which was unanimously endorsed by the Board of Trustees and President Christopher L. Eisgruber — recommended a comprehensive strategy to increase the diversity and inclusivity of the Princeton faculty, graduate student, postdoctoral and staff populations. Initiatives focused on each group are being planned or are underway.

“Since the report was released in fall 2013, we have been in a phase of design and experimentation,” Provost S. Lee said. “This has involved a number of pilot programs, staff investments and initiatives in the Graduate School, Office of the Dean of the Faculty, and Office of Human Resources. I am pleased with what we have been able to accomplish over the last 18 months, and we expect to extend these efforts in the coming years.”

Lee, whose office coordinates and approves funding for many of the initiatives, will continue to monitor the University’s progress.

Initiatives focused on faculty, academic departments

Dean of the Faculty Deborah Prentice, whose appointment as dean began July 1, has expanded the Faculty Advisory Committee on Diversity to 10 members, up from four, and the committee is pursuing a number of efforts.

In November, Prentice informed department chairs that her office would continue to fund a variety of programs that diversify the faculty, with diversity understood broadly. As departments typically share $60,000 in funding for initiatives, 15 to 20 new hires could result from this initiative.

“The Princeton University Ad Hoc Committee on Diversity highlighted the need to do better, push harder, to recruit and retain faculty members who diversify the campus community,” said Prentice, who co-chaired the ad hoc committee with Daniel Weitz, dean of the School of Engineering. “These hires for these hires still comes from the faculty, from academic departments, centers and institutes. The commitment of funding is intended to embed and support these units in their efforts to diversity.”

One of the strategies for new initiatives was that within three years, each academic department should create a multiyear strategic diversity plan to address its goals and challenges in diversifying at all levels from undergraduates to tenured professors. That planning has been folded into a broader departmental planning process that parallels the University’s strategic planning and admissions process that Eisgruber initiated in 2014. Each department is developing a comprehensive strategic plan, with some planning to take place in 2015 and 10-year outlooks. The plans must include a consideration of the opportunities and hiring directions the department will have, and how they plan to increase diversity within the department. Draft plans are due this spring, and final plans are due at the end of the academic year, she said.

The Faculty Advisory Committee on Diversity is also looking at two speaker series related to diversity. One would bring speakers to campus to discuss the subject of diversity, such as the value of diversity and challenges in pursuing it. The other program would be a “new directions” workshop series that would bring in individuals who are about to enter the assistant professor job market, exposing faculty members to new academic directions in scholarship, and as a byproduct, introducing faculty members to a more diverse array of potential job candidates than have come to campus in the past.

In addition, the committee is examining ways to expand and diversify the postdoctoral pipeline with a proposal to come later this year.

Graduate student recruiting and mentoring

The graduate student population was another major focus of the diversity report. Since his appointment in March 2014, Dean of the Graduate School Sanjeev Kulkarni has worked with the provost’s office and academic departments to help fund several pilot programs: expanded fee waivers for select applicants, a standardized test search service for departments, and recruiting and mentoring efforts in a number of departments.

“I have been heartened by the meaningful efforts of many colleagues in identifying and recruiting a more diverse graduate student body,” Kulkarni said. “As a result of our collective efforts, we have seen a sizable increase in the number of underrepresented minority applicants in the current admission cycle. At the same time, there is more we can do to create an attractive campus culture where all students feel intellectually validated, supported and engaged.”

While admission statistics will not be final until the close of the admission season this spring, the Graduate School has seen an increase of approximately 3 percent from U.S. minority applicants, a group that includes those who identify as African-American, Latino, Hispanic, American Indian/Alaska Native and/or Native Hawaiian/other Pacific Islander.

This fall, the University began offering two tools to academic departments for use during the admissions process. By expanding application fee waivers, applicants now may receive waivers based on financial hardship, participation in a number of partner programs, a faculty member or department’s request, or interactions with Graduate School staff at diversity recruiting fairs and conferences.

The Graduate School also has provided departments with access to an online database of students who have taken the GRE or, General Record Examination standardized test, within the last 18 months and have opted to be included. The database contains both academic and demographic information. It can be used by departments to encourage applications from candidates who might not have otherwise considered applying to Princeton.

A student participating in the Princeton Summer Undergraduate Research Experience (PSURE), coordinated by the Graduate School, gives a presentation about her research in psychology.

The departmental pilot programs experiment with models for recruiting a more diverse graduate student body, with methods such as increasing the pipeline of students with research experience and exposure to Princeton or creating programs that make graduate study at Princeton more inclusive. Several of the programs follow the model of the Princeton Summer Undergraduate Research Experience (PSURE), the Graduate School’s eight-week program for students who have expressed serious interest in pursuing a Ph.D., drawn from a consortium of 32 universities.

The pilot programs include the following:

• The departments of astrophysics and physics have teamed up to create the Princeton Bridge Program in Physics, which allows candidates with bachelor’s degrees to study and conduct research at Princeton for two years to prepare themselves for graduate study. The students receive financial support as would a first-year graduate student. They also receive career mentoring and work with a research group. The first participants began their studies at Princeton in fall 2013.

• The Department of Chemistry’s four-part proposal involved targeted recruitment through efforts such as campus visits and minority conferences; a summer research program for undergraduates; a summer boot camp for incoming Ph.D. students; and student societies for underrepresented minorities. The Summer Undergraduate Research Program for Diversity in Chemistry, launched in 2014, allowed undergraduates from across the country to be mentored by a faculty member and participate in laboratory research. The program will take place again this summer.

• The School of Engineering and Applied Science has created two pilot programs to strengthen the pipeline to graduate study. One is a symposium designed to offer undergraduates interested in graduate study the opportunity to explore engineering fields at Princeton. The other program is a summer research fellowship designed to offer students from the City University of New York system exposure to research, seminars on graduate study, academic skills workshops and professional development activities.

• The Department of English is planning to conduct surveys and focus groups with students and recent graduates to gather feedback on all aspects of its program, including admissions, coursework, advising, mentoring and professional development.

• The Department of Molecular Biology is continuing its highly successful summer undergraduate research program focused on molecular biology and quantitative and computational biology.

• The Department of Philosophy has established a recurring networking and mentoring workshop for female graduate students in philosophy, in partnership with Cornell University, the Marc Sanders Foundation and Rutgers University. Launched in August 2014, the three-day workshops bring together 40 female graduate students and 10 female faculty members, and the workshop’s 12 sessions are split between seven substantive philosophy discussions and five advice and mentoring panels.

Human Resources and staff initiatives

Over the last 18 months, the Office of Human Resources and administrative units also have been working to develop the diversity and inclusivity of the staff through diversity planning and re-examining recruiting and training efforts.

“The campus community is experiencing an important time in which there is a widespread, shared focus on diversity and inclusion,” said Vice President for Human Resources Lianne Sullivan-Crowley. “We are motivated by the momentum and excited by the work. We have administrative units that have completed comprehensive diversity plans that include recruiting, training, professional development, general climate and leadership, and are looking forward to even more progress in the months ahead.”

Just as academic departments were encouraged to develop their diversity plans, the diversity report recommended that each administrative unit create a diversity strategy plan.

University Services, through its Diversity Working Group, has completed its strategic diversity plan and is putting it into action. One of the plan’s key elements is an ambassador program in which a cadre of program participants are trained and participate in programs related to diversity and inclusion, both within their

Continued on page 6

Through the Summer Undergraduate Research Program in Molecular and Quantitative and Computational Biology, undergraduates select from a wide range of interdisciplinary laboratory research experiences and participate in other activities, such as this poster session.

Photo by Meredith Wright
Val Logsdon Fitch, a towering figure in physics who helped shape our understanding of the universe, was an emeritus professor and Nobel laureate, died peacefully Feb. 5 in Princeton, New Jersey. He was 85.

Known for foundational contributions to the standard model of particle physics, Fitch was remembered for his modesty and his kindness as well as for his experimental design and insight into the fundamental nature of matter.

“Val was a wonderful human being who had real impact on the field of high-energy physics as well as on science policy,” said A.J. Stewart Smith, vice president for the Princeton Plasma Physics Laboratory and Princeton’s Class of 1909 Professor of Physics. “His studies of the basic constitutents and forces among sub-atomic particles led to a discovery that even 50 years later remains one of the profound mysteries of the early universe. That is his main claim to fame.”

Fitch was awarded the Nobel Prize in physics in 1980 in recognition of his research with James Cronin of the University of Chicago. The two scientists discovered that even 50 years later remains one of the profound mysteries of the early universe. That is his main claim to fame. Their discovery, known as CPT symmetry, was the University’s only joint professorship.

In 1953, with a Ph.D. in chemistry from the University of California-Berkeley, Fitch began work at Los Alamos National Laboratory to work on the Manhattan Project where he assisted in the development of the atomic bomb. He witnessed the first detonations of the bomb in 1945 where he was responsible for triggering the weapon.

Fitch graduated as valedictorian of his class in 1948. In 1950, he and his wife moved to Gordon, Nebraska, where Fitch graduated as valedictorian of his high school in 1948.

He attended Wittenberg College and a half year at nearby Chadron State College before he was drafted and entered the U.S. Army in November 1942. After his discharge, he served in the Los Alamos National Laboratory to work on the Manhattan Project where he assisted in the development of the atomic bomb. He witnessed the first detonations of the bomb in 1945 where he was responsible for triggering the weapon.

After the war, Fitch worked for another year at Los Alamos before finishing his undergraduate degree at McGill University and then entering graduate school at the University of California, where he received his Ph.D. in physics in 1954. In research conducted with Professor Charles Valentine Boys, Fitch discovered that the nucleus of the atom was much smaller than previously thought, and he found it about half the size and twice the density.

Upon arriving at Princeton in 1954, Fitch began conducting experiments using the high-energy particle collider at Brookhaven National Laboratory. There, he met James Cronin, and later they began a collaboration that would lead to the Nobel Prize.

In addition to the Nobel Prize, Fitch’s many honors included the E.O. Lawrence Award in 1968 from the U.S. Department of Energy, the John Price Wetherill Medal of the Franklin Institute in 1976, and the National Medal of Science in 1993. He was a member of the National Academy of Sciences, the American Academy of Arts and Sciences, and the American Philosophical Society. He was a Sloan Fellow, a Fairchild Scholar at the California Institute of Technology, and a Distinguished Visiting Professor at the University of Chicago.

He is survived by his wife of 39 years, Daisy Harper Fitch, his son Alan Fitch (and Lee Hale), his niece Linda Fitch, his half-sister Judi Fitch Singleton, stepdaughters E. Mackenzi Sharp and Locke Harvey, stepson Douglas Wilkinson (and Patricia) and eight grandchildren. He is predeceased by his first wife, Elise Fitch, and his son John Fitch.

Services will be private. In lieu of flowers, the family requests that contribution in Fitch’s memory be sent to the Sierra Club and SAVVY Animal Rescue.

Robert Bruce Alexander Naumann, a professor of chemistry and physics and emeritus at Princeton University, died on Dec. 10 of Parkinson’s disease in Harrison, New Jersey. He was 85.

Born on June 7, 1929 in Dresden, Germany, Naumann was the son of Richard Bruno and Elizabeth (née) Naumann von Koenigsbrueck. He graduated from the University of California-Berkeley in 1949, conferred with Phi Beta Kappa and Sigma Xi keys, and entered Princeton’s graduate program in physical chemistry. In 1953, with a Ph.D. in chemistry from Princeton, a fresh U.S. nationalization certificate and a ham-radio license (2W4FN), Naumann chose to remain at Princeton. For 39 years, he was a University faculty, departmental professor of chemistry and physics.

At Princeton, he taught hundreds of undergraduates and graduate students. Naumann’s scientific interests, especially in nuclear chemistry and spectroscopy, yielded countless professional articles and the discovery of 21 radioactive isotopes and 12 nuclear isomers.

Naumann was well-regarded in the field of nuclear chemistry,” said Thomas Spiro, a professor of chemistry at the University of Wisconsin-Madison, who served as chair of Princeton’s chemistry department from 1979 to 1988. “Bob was very quiet and pleasant, and always had some interesting observation to share,” Spiro said.

In 1961 in the University Chapel, Naumann married Marina Turkiev, the daughter of Princeton chemistry professor John Turkievich and Ludmilla Turkievich.

Jeffrey Schwartz, a professor of chemistry at Princeton, recalled going to lunch with Naumann and other colleagues almost every day for years. “Regardless of how our conversations started, they always ended in politics,” he said. The differing opinions represented at these lunches made for wonderful discussions, Schwartz said, and Naumann was known as “the perfect gentleman.”

Naumann would leave New Jersey during the 1980s to become the first head of the new Alamos National Laboratory in New Mexico. During sabbatical-year leaves, he often conducted research in Europe, including at CERN in Geneva, the Niels Bohr Institute in Copenhagen and at the Technical University of Munich.

Twice, Naumann received the Alexander von Humboldt private U.S. Scientist Award and, in 1988, was a visiting professor of physics at the Technical University of Munich. He was a member and fellow of many U.S. scientific societies.

In 1992, Naumann retired to Norwich, Vermont, and was an adjunct professor of chemistry, physics and astronomy at Dartmouth College.

Naumann is survived by his wife, Margit; a daughter, Kristin, of Bixford, Massachusetts; and a son, Andrew, with his wife, Liz, of Vashon Island, Washington; and four grandchildren. A requiem service and celebration of his life will be held at the University Chapel. Memorial contributions would be welcomed at the Vermont Foodbank, 33 Parker Road, Barre, VT 05641, or at a charity of choice.

The following is a list of University employee retirements.

Effective Nov. 1, 2014, in engineering and construction and former operator Ronald Rickwell, after 37 years. Effective Nov. 1, 2014, in the Princeton Plasma Physics Laboratory (PPPL), mechanical technician Edward Brown, after 49 years; in the Library, Sarah Langham, after 35 years; in the Economics Department, research assistant to the director Sharon Kulk, after 23 years; in public safety, security officer Shonelle Woodard, after 21 years.

Effective July 1, 2015, in the library, librarian John Delaney, after 34 years; in the Princeton Neuroscience Institute, project coordinator Patricia Genzel, after 13 years; in Dining, cook Sally Kemegay, after 24 years; in administration, department support staff member Elaine Mastro, after 18 years; in the library, senior bibliographic specialist Lorraine Muki, after 21 years; in sponsored research accounting, accounting specialist Susan Nichols, after 18 years; in the library, managing editor Gretchen Oberfranc, after 15 years; in the library, librarian Linda Oppenheim, after 42 years; in the Library, secretary Nima Momeni, after 22 years; in the Chemistry Department, shop, crew leader John Provenzano, after 31 years.

Effective Feb. 1, in PPPL, graphic artist Gregory Czeczowski, after 40 years; in molecular biology, associate professional scientist Barbara DeVin, after 26 years; in PPPL, mechanical technician Manuel Fernandez, after 14 years; in support services, technician specialist Jesse Glover, after 39 years; in the chemistry department, shop, assistant shop supervisor Thomas Logan, after 24 years; in history, research scholar Elaine Paaso, after 18 years; in maintenance, ground operations manager for grounds and landscaping Albert Pearson, after 35 years; in cancer physics, engineer assistant to the director Vanessa Ross, after 23 years.

Effective July 1, in East Asian studies, lecturer Jyungha Chiang, after 23 years.

The following is an updated list of University employee obituaries.

Current employees


Retired employees


A requiem service and celebration of Naumann’s life will be held at the University Chapel. Memorial contributions would be welcomed at the Vermont Foodbank, 33 Parker Road, Barre, VT 05641, or at a charity of choice.
Diversity efforts

Continued from page 4

Princeton volunteers help build a pallet of food for pick-up by local food banks in the region. From left, the volunteers are Jeffrey Pethis, junior general construction services contract administrator, and Project Administrator; President Christopher L. Eisgruber; Alvin Daniel, technical support specialist in the Office of the Dean for Research; and Sosrot Tangkasik, coordinator in the New Media Center.

Princeton University celebrates the 50th anniversary of the March on Washington for Jobs and Freedom and the Martin Luther King Jr. National Day of Service with a MLK Day celebration on Jan. 18. Milton Wright, chair of Princeton's Department of African American Studies, delivered the keynote address for the 2015 Day of Service. The event also featured a celebration of the Martin Luther King Jr. Legacy Award, which recognizes efforts to continue the journey to achieve the civil rights leader’s vision (see story on page 7).

MLK Day celebration

Continued from page 1

since the launch of the Poor People’s Campaign?"

In 1966, about 15 percent of Ameri-
cans lived below the poverty line, Rouse said. Today, the percentage is about the same.

"That means that today about 45 mil-
lion people in the United States live on

less than $24,000 for a family of four," Rouse said.

For African Americans, the poverty rate is down from 42 percent in 1966 to

27 percent today. Still, that is twice the

poverty rate of whites, she said.

"So, what do we do poverty in the U.S.?' Rouse asked. "I would argue that

in some areas we have next to none. The trend

policies that are quite good and in other

areas we have next to none. The trend

in the U.S.?” Rouse asked. “I would argue

poverty rate of whites, she said.

27 percent today. Still, that is twice the

high school diploma is 88 percent today,

compared with about 50 percent in 1966, Rouse said, with the largest gains

among blacks, whose rate of completion has risen to 85 percent from 28 percent.

And today, 32 percent of adults have completed at least four years of college,

compared with 10 percent in 1966.

"Of course, while we are a long way

from ‘separate but equal,’ many blacks and Hispanics
do attend post-ter-

quality — mostly

segregated — schools and there are still disparities in secondary

school attendance," Rouse said. "The fact that discrep-

ancies remain only reinforces

the importance of reforming our

K through 12 system so that all

children have access to quality

public education, and the impor-

tance of increasing diversity in higher

education by finding a place for all qualified and motivated students regardless of their race, ethnic-

ity or economic background.”

Rouse concluded with a call to con-

continue King’s work.

“African Americans have made pro-

gress in the last half century,” she said.

“We are more educated and less poor. We have advanced civil rights and vot-

ing rights. Dr. King would be proud of the nonviolent protests that have taken place

across this country in the past few years, from the Occupy Movement for economic

justice to the more recent
data about police brutality.

“But as the deaths of Michael Brown and Eric Garner have shown, we are not

there yet. As the racial tensions on Princeton’s campus — in 2015 — have shown,

we are not there yet. When

the poverty rate in some counties in Appa-
elachia reaches as high as 56 percent, we

are not there yet. With over one-half of children attending public schools

being eligible for a free- or reduced-

price lunch, we are not there yet. When

nearly 600,000 individuals are home-

less on a single January night in the U.S., — one-quarter of whom are chil-

dren and nearly 40 percent of whom are in families — we are not there yet.

But we cannot quit now.”

In his introductory remarks, Presi-

dent Christopher L. Eisgruber said he

believed King would be proud of recent progress

in the University campus.

“Many on our campus have engaged in impassioned protests and vigour-

ous dialogue about issues of diversity and

inclusion here at Princeton and in our society at large — spurred by the deviations in

Missouri, in New York City, and elsewhere

around this country,” Eisgruber said.

“This peaceful and powerful activism of our students and others in our campus

community is a direct reflection of the legacy of Dr. King and his incompara-

ble service to society.”

This year’s event also featured the presentation of the Martin Luther

King Journey Award, which recog-

nizes efforts to continue the journey to achieve the civil rights leader’s vision

(see story on page 7).

David Campbell, a senior staff

psychologist in Counseling and Psycholog-

ical Services, received the Journey

Award for Special Achievement for

empowering students from diverse

backgrounds. Kenneth Grayson, a shop

foreman in the Electric Shop, received

the Journey Award for Lifetime Achieve-

ment for his tireless commitment to

campus life over nearly 45 years.

Another speaker at the event was

Bonnie Watson Coleman, who repre-

sents the Princeton area in the U.S.

House of Representatives. Coleman

applauded the progress highlighted in

Rouse’s speech but also cited concern

about efforts to roll back some of the

gains achieved by the Civil Rights

Movement.

The Trenton Children’s Chorus

performed in front of a large screen
displaying a photo of King to open and close the ceremony.

The University also celebrated King’s legacy with its second annual Day of Service held Thursday, Jan. 15. About 50 University volunteers lent a hand at Princeton Nursery School in Princeton, Liggett House, Princeton University Transportation, Mercer Street Friends Food Bank in Ewing and the Trenton City Museum at Ellarslie in Trenton.

The Board of Trustees has approved the following faculty moves.

Promotions

Three faculty members are being promoted:

• Fernando Coda Santos Cavalcanti Marques, the Henry Burchard Fine Professor of Mathematics, effective Feb. 1.

• Angela Creager, the Thomas M. Siebel Professor in the History of Science, Professor of History, effective July 1.

• Mihalis Dafermos, the Thomas J. Donoghue Professor of Mathematical Physics, effective July 1.

• Yelena Baraz, the Henry Burchard Fine Professor of Mathematics, effective July 1.

Endowed professorships

Six faculty members have been named to endowed professorships:

• Sosrot Tangkasik, coordinator in the New Media Center.

Website and blog offer information on new Princeton Campus Plan

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two new online resources are avail-

able for anyone looking to learn about the Princeton University campus planning effort to establish a framework to guide the evolution of the campus from 2016 through 2026, and beyond.

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(see story on page 7).

The University also celebrated King’s legacy with its second annual Day of Service held Thursday, Jan. 15. About 50 University volunteers lent a hand at Princeton Nursery School in Princeton, Liggett House, Princeton University Transportation, Mercer Street Friends Food Bank in Ewing and the Trenton City Museum at Ellarslie in Trenton.

The Trenton Children’s Chorus

performed in front of a large screen
displaying a photo of King to open and close the ceremony.

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Board approves four appointments to Princeton faculty

Aartii Gupta, in computer science, joined the faculty this winter from NEC Laboratories America, where since 1994 she has worked in a range of positions from research staff member to department head. She earned her bachelor’s degree at the Indian Institute of Technology, her master’s degree at Polytechnic Institute, and her Ph.D. at Carnegie Mellon University.

Gupta’s main research interest is formal analysis of systems, including formal methods, automatic decision procedures, software verification, and hardware verification.

Michael Levitt, in molecular biology and chemical physics, is a member of the Institute for Integrative Genomics, will join the faculty in summer 2013 from the University of California, Berkeley, where he has been a professor since 1996. His areas of focus are genomics, development, and protein structure, and his current lab studies how cell behavior is defined.

An undergraduate alumnus of Berkeley with a Ph.D. from Yale University, Levine previously was a postdoctoral fellow at Der Universität Basel and Berkeley and taught at the University of California-San Diego.

Clair Wills, in English, will join the faculty in fall 2013 as the Leonard L. Milberg ’53 Professor in Irish Letters. She has taught at Queen Mary University of London since 1993, and she previously taught at the University of Essex and was a junior research fellow at the University of Oxford. Wills earned her bachelor’s degree and doctoral degrees at Oxford.

A scholar of Irish literature and culture, Wills has written five books including “The Best Are Leaving: Emigration and Post-War Irish Culture” (2015) and “That Neutral Island: A History of Ireland During the Second World War” (2007), and co-edited “The Field Day Anthology of Irish Women’s Writing and Traditions” (2002).

Campbell, Grayson recognized with Journey Award at King Day celebration

Two Princeton staff members were honored Monday, Jan. 19, with the Martin Luther King Journey Award, which recognizes efforts to continue the journey to achieve the civil rights leader’s dream.

David Campbell, a senior staff psychologist in Counseling and Psychological Services, received the Journey Award for Special Achievement for empowering students from diverse backgrounds.

“Campbell counsels individuals and cross-cuts groups that give students from diverse backgrounds space to learn, practice, and explore issues related to culture and identity,” wrote Jennifer Jona- than Pastor, associate director of Counseling and Psychological Services (CPS), who nominated Campbell for the award.

“David has been a leader at Counsel- ing and Psychological Services around diversity and inclusion for the past 10 years,” wrote Calvin Chin, director of CPS, which is part of University Health Services, in a letter supporting Campbell’s nomination. “He infuses his clinical work with a deep appreciation of the unique challenges that face students of color, and has created safe spaces through his individual and group work for students to discuss the experience of difference and being part of marginalized communities.”

Campbell also founded and coordinates the Diversity Reading Group, a monthly meeting of CPS staff where conversation centers on diversity topics.

“I would like to recognize the Network of African-American Male Administrators and is the University Health Services rep- resentative to the Campus Life Diversity and Inclusion Committee,” wrote Pastor. “He serves as the interim director of CPS during the 2012-13 academic year.”

Campbell earned his Ph.D. from the Graduate School and University Center at City College of New York and is currently employed as a special assistant dean in Grounds and Building Maintenance.

“Campbell has continually supported and assisted all students who cross his path, and has a particular gift for connecting with young adults who might feel marginal- ized, struggle to fit in on an Ivy League campus, or have experienced oppression,” wrote Michael Ollin, associate director of the Office of Undergraduate Students. “His moral fabric, compassion and considerable clinical skills greatly benefit students with whom he works.”

Grayson, a fixture behind the counter at the Electric Shop, received the Journey Award for his service to the University community. “Kenny Grayson is a fixture behind the Electric Shop, and behind the microphone, lends his golden voice to many campus life events,” wrote Karim Said, an automotive service technician.

“Grayson has been a part of the University community for nearly 45 years,” Grayson said. “As long as I’ve known Dr. Campbell, he has continually supported and assisted all students who cross his path, and has a particular gift for connecting with young adults who might feel marginalized, struggle to fit in on an Ivy League campus, or have experienced oppression,” wrote Michael Ollin, associate director of the Office of Undergraduate Students. “His moral fabric, compassion and considerable clinical skills greatly benefit students with whom he works.”

“His best-known member of his department on campus,” wrote Corcoran. “He has gone to extraordinary lengths to make sure that every program goes smoothly.”

Thomas Corcoran, manager of mechanical, electrical and plumbing systems in Grounds and Building Maintenance, said Grayson may be the best-known member of his department on campus.

“Just walk the campus with him, and it is incredible how many people he knows and how many people know him,” Corcoran wrote. “Former University presidents stop and talk to him. Deans, department chairs and University staff all greet him with well wishes. And of course the students, both present and alumni, remember him and always say hello.”

“The measure of his impact on campus: Grayson was named an honorary member of the Class of 2002.”

In helping students from all back- grounds better understand and confront the challenges of life on this campus, and in helping his colleagues provide a more nurturing and responsive approach to supporting our students, David has enabled many Princetonians to thrive here,” President Christopher L. En- grin said. “We thank you for all you have done to assist and enrich our campus community. You have done wonderful reflection of Dr. King’s spirit.”

The awards were presented at the University’s Martin Luther King Day celebration in Richardson Auditorium in Alexander Hall. Members of the University’s Martin Luther King Day Committee and the Office of the Dean of Student Affairs presented the awards.

President Shirley Ann Jackson presented the Dr. Martin Luther King, Jr., Autobiography Award to Calvin Chin, director of Counseling and Psychological Services, who nominated Campbell for the award.

Chin said, “David is truly a first class citizen at Princeton, and it’s a joy to see my students getting to know this place, and each other, as a class of their own.”

Whit- man College, the topic of conversation was the novel “Lucky Jim” by British author Jack提供优质内容。
Start-up school: Examining success and failure in new ventures

J ohn Danner moved across the auditorium at Princeton University, tossing questions at students about a possible business startup. Like an insistent collaborator, he probed for unknown hazards. What else, he prompted, what next? What was the thing they were not thinking of? What was lurking to trip them up?

"It has to scale," said junior Rachel Leizman.

"Does it have to scale?" Danner asked, raising his hand to punctuate his question. "What about a small flower shop, what about a hedgehog?"

"Well, that's a scale," Leizman shot back, drawing a laugh from her classmates.

Danner, a veteran entrepreneur with a booming voice and an easy presence, used fast-paced dialogue and friendly banter throughout a recent session of "Introduction to Entrepreneurship"—a class taught for the first time this fall—to jolt his students into thinking in new ways about what it takes to start a venture. Proposals became epic stories; business plans were charts to guide an enterprise through hidden shoals waiting to sink an unwary new company.

"We want the students to develop their thinking and sophistication about how entrepreneurship plays out," Danner, an entrepreneurship specialist at the Keller Center, said after class. "We want them to see this as an option, whether their motivation is to launch a new technology or a new idea to change the world."

The subject of the class is "entrepreneurship writ large," said Derek Lidow, an instructor.

The course is open to students from all disciplines and allows undergraduates to work with teams of successful entrepreneurs: Danner, a business executive and senior fellow at the University of California-Berkeley; Lidow, the founder of iSupply; Christopher Kuehn, the founder of Rosetta; and Ed Zschau, a founder and executive of numerous startups including System Ed. Zschau, a founder and executive of System Ed. "The University's academic excellence and generous financial aid continue to attract outstanding students with diverse backgrounds from across the nation and around the world," Dean of Admission Janet Rapleye said. "We read and evaluate every application very carefully. We look forward to the review and expect it will be a challenging and ultimately rewarding experience to select the next freshman class."

The admission process is need-blind for both domestic and international students, and all of them may apply for financial aid.

"The University's undergraduate admission office offered admission to 767 of the early applicants in mid-December. Candidates deferred during the early action process will be reconsidered with the regular decision applicants. Applicants will be notified of admission decisions by late March. About 1,300 freshmen will enroll in the fall of 2015."

The four instructors trade off lectures focusing on various topics. Danner, for example, taught one session about business models; Lidow lectured on critical points for developing a startup enterprise into an ongoing business.

"We are trying to get at the core issues that inform students about success or failure," Lidow said. "If they only have time to take one course about entrepreneurship, then they can take this course and get a good understanding."

The idea for the course grew from lectures focusing on various topics. Danner, for example, taught one session about business models; Lidow lectured on critical points for developing a startup enterprise into an ongoing business.

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The idea for the course grew from a dinner among the instructors last year. Most entrepreneurship classes taught at Princeton target seniors, and they wondered whether it would be possible to involve students earlier. "Its objective as a survey course is to expose Princeton students, particularly sophomores, to the range of flavors and concepts of entrepreneurship early in their college careers," said Zschau, who has taught entrepreneurship at Princeton for more than 15 years.

"We all had the experience of serendipity saying 'Gosh, I wish I had taken this earlier,'" Danner said. "We wanted to see if we could reach people earlier in their undergraduate careers; if they liked it, they would be able to pursue it."

Eighty-six students signed up for the course this fall. The course number has an engineering prefix, EGR, but 66 of the students are pursuing a Bachelor of Arts. Because of its large enrollment, the course is taught in an auditorium in Jadwin Hall. In addition to standard classroom, the students keep an entrepreneurship journal to track their growing understanding of the material and possible applications to the world. Toward the end of class, the students split into groups to complete a project in which they flesh out an idea for a new venture.

"We don't require a formal business plan at this level; it's not about judging the idea the way an investor would," Danner said. "We want to see evidence that the students have developed their thinking and sophistication about how entrepreneurship plays out."

Students come to the class with a wide variety of backgrounds and interests. Some have a long interest in business and have already started ventures of their own. Others never thought of starting their own enterprise, but selected the course to see what it involved.

"I am considering entrepreneurship at some point in the future," said Allie Burton, a sophomore majoring in computer science. "I have learned a lot more about the challenges that an entrepreneur faces; dealing with the lack of money, the stress, the challenge of organizing everything."

Jessica Kariisa, a junior, said she never thought starting a business was "for me."

"I thought I might be interesting to try it out and see if it changed the way I looked at things," said Kariisa, a politics major. "It has."

Kariisa, who is president of the University’s Black Arts Company: Dance, said taking the class has given her ideas about how she might pursue her interests in performance art and education after graduation.

"I have gained a lot of self-confidence," she said. "I will definitely be more interested in the possibilities offered by entrepreneurship."

Leizman, an economics major, said she enrolled because the class will allow her to gain a broad understanding of the subject before choosing one of the more specialized, high-level entrepreneurship classes such as "High-Tech Entrepreneurship."

She said she intends to start her own business in the future and she "thought taking a survey course taught by the four professors would allow me to explore the different areas of entrepreneurship to see what I liked best."

"One of the main things I've learned is that a great idea doesn't automatically turn into a successful enterprise," she said. "There are so many different factors — from funding to operations to the leadership — that make or break a good idea."

Applications for Princeton's Class of 2019 reach record high

Princeton University has received a record 27,259 applications for admission to the Class of 2019. The number, which includes 3,850 candidates who applied last fall through single-choice early action, is now the largest applicant pool in the University's history.

Many of the applicants also applied for Princeton's generous financial aid program, which meets the full need of all admitted students and provides students who qualify for aid with grants that do not need to be repaid. Approximately 60 percent of all undergraduate students receive financial aid, and the average grant per year is more than $40,000. As a result, 75 percent of Princeton students graduate debt free.

"The University's academic excellence and generous financial aid continue to attract outstanding students across the University who are interested in startups."