Tilghman urges graduates: Improve education system

Calling education “our most powerful engine for social mobility,” President Tilghman inspired this year’s graduates to use their knowledge to improve the country’s K-12 education system. “Today you leave this privileged place as the beneficiaries of a world-class education — one that I hope has prepared you well for whatever comes next, including the unexpected,” she said May 31 in her annual Commencement address. “Without in any way diminishing the importance of your own hard work, you are among the lucky ones.”

Drawing upon personal experiences, data and examples set by Princeton alumni, she outlined the problem and encouraged the 2,021 graduates to help close the educational achievement gap. “Almost certainly each of you encountered along the way one or more teachers who encouraged you to excel, or raised your sights, or inspired in you a passion for learning,” Tilghman said. “I am here today because Lionel Orlikow, my history teacher at Kelvin High School in Winnipeg, Manitoba, sent a lightning bolt through my mind and opened my eyes to the world beyond my middle-class neighborhood. … He inspired me to aim high and be bold.”

Students get hands-on with mural project in Trenton

“People passing by on the street would stop and say, ‘Keep it up!’ and ‘It looks great!’” said Kate O’Dea, a member of the class of 2013, describing the reaction to the students’ work at the Home Rubber Company. “It was inspiring and uplifting — and totally different from any other class.”

O’Dea and the other students were enrolled in “The Big Picture: Mural Arts in Philadelphia and Trenton,” which involved them in every aspect of planning and executing a public mural in Trenton. The completed mural was unveiled June 4, and from collecting feedback on the project at community meetings to studying how public murals can be transformative, the students got an intimate look at the many steps involved in creating public art.

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Lerner, former architecture school dean, dies at 61

Jennifer Greenstein Altman

RALPH LERNER, a longtime faculty member and former dean of the Irwin S. Chanin School of Architecture, died of brain cancer May 7 in Princeton. He was 61.

Lerner joined the University faculty in 1984 and transferred to emeritus status in 2008. He was dean of the School of Architecture from 1989 until 2002.

During his tenure as dean, Lerner recruited significant design faculty members, strengthened the Ph.D. program in the history and theory of architecture, and introduced land-scape studies into the curriculum.

“Ralph Lerner was a great dean, totally committed to the School of Architecture,” said Mario Gandelsonas, the Class of 1913 Lecturer in Architecture. “During the best moments of his tenure — guided by his ambitious, strategic ideas — he created a unique place with a focus on the continuing development of the architectural discipline. He was not just an excellent administrator. He was an excellent critic with a unique eye for the detection of talent in both students and teachers. He was a good friend — caring, loyal, supportive and a fun travel companion who will definitely be missed.”

Kevin Lippert, the publisher of the Princeton Architectural Press and a 1983 graduate of the School of Architecture, said, “Ralph very much put Princeton at the center of the architectural map, both through the faculty and students he attracted, the programs he established and publications he sponsored, as well as by the sheer force of his personality.”

Lerner came to Princeton as a professor and became a full professor in 1987. In 1994 he was named the George Dutton ’27 Professor of Architecture. In 2008, after retiring from Princeton, he became dean of the faculty of architecture at the University of Hong Kong, a position he left in April for health reasons.

In 1984, Lerner established Ralph Lerner Architect PC, which completed award-winning projects in the United States and abroad. The firm’s most recent work includes co-designing the Louise Nevelson Plaza in Manhattan and designing the lower school building at the Princeton Charter School. The firm’s work included urban design, historic preservation, exhibitions and furniture. Born in 1949 in New York, Lerner earned his bachelor’s degree from The Cooper Union for the Advancement of Science and Art and a master’s degree in architecture from Harvard University. Prior to joining the Princeton faculty, he taught at the University of Virginia, Harvard and the Polytechnic of Central London.

Lerner won numerous international design commendations, most notably five Progressive Architecture awards, including a First Award for the Indira Gandhi National Centre for the Arts in New Delhi in 1987, and three Architectural Design awards. Lerner’s work has been exhibited at the National Building Museum, the Institute of Contemporary Art in London and New York’s Museum of Modern Art.

In addition to contributing to numerous publications, Lerner was a frequent lecturer, moderator, adviser and juror at universities as well as professional architectural design commissions.

He is survived by his wife, Lisa Fischetti; a son, Sigmund; a daughter, Esther; a sister, Judith Lerner Brice; and two brothers, Alan and Marc.

Memorial contributions may be made in Lerner’s name to The Cooper Union Irwin S. Chanin School of Architecture and the Graduate School of Design at Harvard. For more information, email <cvilder@cooper.edu> and <lerner-fund@gsd.harvard.edu>.

Spotlight

Name: Ushma Patel
Position: Social sciences writer in the Office of Communications. Serving as a liaison to the social sciences academic units, Assisting offices with communications strategy, such as media relations, publicity and messaging, as well as public and websites. Writing about faculty, students and their research in the social sciences for the Princeton website and Princeton University Bulletin.

Quote: “I’m enjoying the challenge of being in a newly created position. Going from being a publications editor to a social sciences writer has allowed me to meet more people across campus, learn more about the incredible accomplishments of students and faculty in disciplines I find fascinating, and collaborate more closely with faculty and staff on communicating these efforts both inside and outside of the University.”

Eight chosen for endowed professorships

Eight faculty members have been named to endowed professorships, effective July 1, 2011. They are:

• Andrew Appel, the Eugene Higgins Professor of Computer Science.
• Sanjeev Arora, the Charles Forrester Professor in Computer Science.
• Sheldon Garon, the Nissan Professor in Japanese Studies.
• Claire Gmachl, the Eugene Higgins Professor of Electrical Engineering.
• Sergiu Klainerman, the Eugene Higgins Professor of Mathematics.
• David MacMillan, the James S. Markle Distiguished University Professor of Chemistry.
• Daniel Marlow, the Evans Crawford 1991 Professor of Physics.
• Richard Miles, the Robert Porter Patterson Professor of Mechanical and Aerospace Engineering.

Employee obituaries

Current employees:

• Antonio Calle, 45 (2000-2011, Spanish and Portuguese languages and cultures); Linda Watts, 56 (1972-2011, asset administration).

Retired employees:


Deadline

This is the final issue of the 2010-11 academic year. The deadline for the first Bulletin of 2011-12 is Friday, Sept. 9.

A complete publication schedule can be found at <www.princeton.edu/bulletin>. Call (609) 258-3601 with questions.

To submit events for consideration for “Nassau notes,” go to <www.princeton.edu/main/news/share/submittents/>.
Board approves 19 new faculty appointments

The Board of Trustees has approved the appointments of 19 new faculty members, including three full professors and 16 assistant professors.

Professor

In economics, Mikhail Golosov will join the Princeton faculty, effective July 1, 2011. A specialist in macroeconomics, public finance and political economy, Golosov has published articles in leading journals on taxation, monetary policy and financial intermediation.

Golosov will come to Princeton from Yale University, where he has been a professor since 2009. He previously served as a faculty member at the Massachusetts Institute of Technology and has held visiting scholar appointments at various federal reserve banks. He also was an associate analyst at the Federal Reserve Bank of Minneapolis and an economist at the International Monetary Fund. A graduate of Belarus State Economic University, he received a master's degree from the University of British Columbia and a Ph.D. from the University of Minnesota.

In mathematics, Peter Ozsváth, who holds a Ph.D. from Princeton and who taught at the University as an assistant professor from 1998 to 2002, will rejoin the Princeton faculty, effective Sept. 1, 2011. His field of specialization is topology.

Ozsváth has been a faculty member at MIT since 2010 and also has served at the University of California-Berkeley and Humboldt State University, a master's degree from Lawrence University. He received his bachelor's degree from the University of British Columbia and a master's degree from Stanford University.

Also in mathematics, Shou-Wu Zhang, who was an assistant professor at Princeton from 1994 to 1996 and an instructor for two years before that, will rejoin the Princeton faculty, effective Sept. 1, 2011. He specializes in number theory and arithmetic algebraic geometry.

Zhang will come to Princeton from Columbia, where he has been a professor since 1998. He has been a member of the Institute for Advanced Study and was a Guggenheim Foundation Fellow, a Clay Foundation Prize Fellow and a Sloan Research Fellow. He received a bachelor's degree from Zhejiang University in China, a master's degree from the Chinese Academy of Science and a Ph.D. from Columbia.

Assistant professor

The assistant professors have three-year terms from their date of appointment.

In astrophysical sciences, Gáspár Bokos will begin at Princeton on Sept. 1, 2011. A specialist in extrasolar planets and instrumentation, he is currently a postdoctoral fellow at the Harvard-Smithsonian Center for Astrophysics. He holds a master's degree and a Ph.D. from Eötvös Loránd University in Budapest, Hungary.

In classics and Hellenic studies, Emmanuel Bourboulakis will start his term on Sept. 1, 2011. A scholar of Byzantine literature, he is currently a research fellow at Albert-Ludwigs Universität in Freiburg, Germany. A graduate of McGill University, he received a master's degree from the University of Western Ontario and a Ph.D. from Harvard University.

In computer science, Mark Braverman will start at Princeton on Sept. 1, 2011. A specialist in theoretical computer science, he is currently an assistant professor at the University of Toronto, where he earned his Ph.D. His undergraduate degree is from the Israel Institute of Technology.

In operations research and financial engineering, Sébastien Bubeck will start his term on Sept. 1, 2011. A specialist in mathematics, he is currently a postdoctoral fellow at the Centre de Recherche Mathématique in Montréal, Canada. He received his master's degree from the Ecole Normale Supérieure in Cachan, France, and his Ph.D. from the University of Lille, France.

In politics, David Carter will start at Princeton on July 1, 2011. A political scientist, he is currently an assistant professor at Pennsylvania State University. He received his undergraduate degree from Lawrence University, and his Ph.D. from the University of Rochester.

In molecular biology, Danielle Donovan will join Princeton's faculty on Sept. 1, 2011. A specialist in developmental biology, she is currently a postdoctoral fellow at Rockefeller University. She earned her bachelor's degree from Harvard University, a master's degree from the University of British Columbia and a Ph.D. from the University of Cambridge.

In history, James Dun will start his appointment on July 1, 2011. A scholar of the American military economy, he has been a lecturer at the University since 2004 after receiving his Ph.D. from Princeton. His undergraduate degree is from Amherst College.

In astrophysical sciences, Jenny Greene will begin her term on Sept. 1, 2011. Specializing in extrasolar astronomy and observation, she is currently an assistant professor at the University of Texas-Austin, and was previously a postdoctoral fellow at Princeton. She received her undergraduate degree from Yale and her Ph.D. from Harvard.

In art, Asian studies, Pieter Keulemans will join Princeton's faculty on July 1, 2011. He studies Chinese literature and is currently a postdoctoral fellow at Yale. He earned his bachelor's degree from Leiden University in the Netherlands and his Ph.D. from the University of Chicago.

In chemistry, Robert Knowles will start his term on July 1, 2011. A researcher in experimental organic chemistry, he is currently a postdoctoral fellow at Harvard. He earned his bachelor's degree from the College of William and Mary and his Ph.D. from the California Institute of Technology.

In molecular biology, Alexei Kerenykh will start at Princeton on July 1, 2011. A specialist in structural biology, he is currently a postdoctoral fellow at the University of California.
T
eleven faculty members were transferred to emeritus status in recent action by the Board of Trustees. They are: James Boon, professor of anthropology; Garry Brown, the Roger Porter, Jr., Professor of Mechanical and Aerospace Engineering; Peter Brown, professor of applied plasma physics; Donald Davidson, professor of philosophy; Ronald Davidson, professor of astro-physical sciences; James Gunn, the Eugene Higgins Professor of Astronomy; Lincoln Hollister, professor of geosciences; Henry Hon, professor of ecology and evolutionary biology; Simon Kochen, professor of mathematic- ics; Burton Malkiel, the Chemical Bank Chair Professor of Economics; Riccardo Piglia, the Walter S. Carpenter Professor of Language, Literature and Civilization of Rome; Kenneth Stolzgitz, the Eugene Higgins Professor of Computer Science; and Lyon White III, professor of politics and international affairs.

All are effective July 1, 2011, except for the transfers for Burton Malkiel and Piglia, which are effective Sept. 1, 2011.

Boon, a specialist in classical archaeology and Balinese culture, graduated from Princeton in 1968 with a degree in Renaissance literature and the humanities, and a then-new certificate in Asian studies.

His undergraduate studies of symbolic and comparative anthropol-ogy, and Southeast Asia, among other topics, helped guide his future academic work. He earned his doctorate in social anthropology from the University of Chicago.

Boon's research and teaching bridge comparative and applied anthropology; colonial ethnicity; literary analysis; approaches to kinship, ritual, myth and media; and the history of ideas. His books include “From Symbolism to Structuralism: Levi-Strauss and Claude Lévi-Strauss” and “The Anthropological Romance of Bali: 1597-1752: Dynamic Perspec- tives on Religion.” His works have been translated into 24 languages and have sold more than 1 million copies worldwide.


Garry Brown

Garry Brown came to Princeton in 1959 as chair of the Department of Mechanical and Aerospace Engineering, a position he held until 1998. In that role Brown was instrumental in deepening the department's commitment to materials sciences and to establishing new combustion labora- tory facilities.

Brown is best known for his work in combustion, particularly in supersonic wind-tunnel technology. He also has made significant contributions as a consultant to the U.S. space and aerospace industry, including important work on the failure of the solid rocket motor for the Saturn I launch vehicle, as well as work on the AIM-9X, Tactical Tomahawk and Standard Missile-3 missile systems.

A graduate of the University of Adelaide in his native Australia, Brown was a Rhodes Scholar and earned his Ph.D. at the University of Oxford. Before coming to Princeton he taught at the University of California and the University of Maryland and he served as principal representative and departmental representative and departmental representative for Princeton alumni, sum- marizing and graduate courses. His varied interests carried into his teaching of numerous undergraduate and graduate and post-doctoral courses at Princeton since 1968, focusing his efforts in the fields of applied plasma physics and the Department of Energy's Princeton Plasma Phys- ics Laboratory (PPPL), a position he held for 33 years.

As PPPL director, Davidson oversaw the groundbreak- ing achievements of the Tokamak Fusion Test Reactor, which in 1994 yielded an unprecedented 10.7 megawatt fusion power output for one second, enough to power momentarily 2,000 to 3,000 homes.

A graduate of McMaster University, Davidson earned his Ph.D. in astrophysics from the University of Cambridge in 1966. Before joining the Princeton faculty, he was a researcher at the University of California-Berkeley and a faculty member at the University of Maryland and the Massachusetts Institute of Technology. Davidson also served as the director of the Physics Department and the Department of Physics.

Davidson's honors include the DOE Distinguished Student Award, the Kail Foundation Award for Excellence in Plasma Physics Research and the American Physical Society's James Clerk Maxwell Prize in Plasma Physics, the highest honor in plasma physics.

Gunn has had a major impact on theory, observation and instrumenta- tion in the field of astronomy, helping to establish the cur- rent understanding of how galaxies form as well as the properties of intergalactic space. In addition to Gunn's notable achievements was the conception, building and scientific leadership of the Sloan Digital Sky Survey, a revolutionary effort that produced the deepest, most compre- hensive map of the heavens ever made. This project, which began making observations in 1998, has obtained the images of more than 10 million astronomical objects and has led to the discovery of almost a dozen previously unknown companion galaxies to the Milky Way. Gunn's work has also been recognized with the National Medal of Science, the nation's highest scientific honor; the Crafoord Prize, a major award in the field of astronomy; a MacArthur Foundation “genius” grant; and the Gold Medal of the Royal Astronomical Society.

Gunn is currently working as a senior space scientist at NASA's Jet Propulsion Laboratory, Gunn served on the Prince- ton faculty from 1968 to 1991, leaving for the California Institute of Technology. He returned to Princeton in 1990. A graduate of Rice University, he holds a Ph.D. from Caltech.

Hollister has been a faculty member at Princeton since 1968, focusing his research and teaching on the question: How are mountains and continental crust made? He has held graduate and graduate courses in subjects such as crystal chemistry, metamor- phic petrology, fields of igneous rock and the evolution of the continental crust. In the 1960s Hol- liester participated in a major seismic survey of Alaska, which led to the development in 1968 of a project called ACCRET, a multi-institution, interdisciplinary initiative to study the Coast Mountains of southeast Alaska and British Columbia. The project's flagship experiment was a large-scale seismic ship in the inland waterways to provide an unprecedented image of the 50-kilometer-thick Early Earth crust and mantle for an area straddling the Alaska-British Columbia border. Hollister's research also has included studies of the origin of the Himala- yas in Bithynia and of the moon rocks returned by the Apollo astronauts.

Hollister is a fellow of the Miner- alogical Society of America and the Geological Society of America. A graduate of Harvard University, he earned a Ph.D. from the California Institute of Technology and taught at the Uni- versity of California-Los Angeles before coming to Princeton.

Horn first came to Princeton in 1966 amid a wave of new interest in evolution and ecology in the then-Department of Biology. He earned his bachelor's degree at Harvard Univer- sity and his Ph.D. at the University of Washington.

Horn's long-lasting interest in the growth of trees, how they got their shape and their branching patterns led to his book "The Adaptive Geometry of Trees." His work has also focused on wind dispersal of seeds, and social behavior of butterflies, birds and bees. His varied interests carried into his teaching of numerous undergraduate and graduate courses at Princeton. His work has been adapted as films. At Princeton Piglia regularly taught a popular course on Argentine writer Jorge Luis Borges. In other seminars and courses, Piglia has brought avant-garde writers including Ma- donio Fernández, Juan José Saer and Rodolfo Walsh. Piglia has also taught classes dealing with literature and politics.

Kochan's contributions in areas of mathematical logic, model theory, number theory and quantum mechan- ics are well known to the field and to many who are not professional mathematicians. A graduate of McGill University, he held a Visiting Assistant Professorship at Princeton in 1959, then joined the faculty at Cornell University before returning to Prince- ton as a professor in 1967.

Perhaps Kochan's most well-known distinction among the mathematics commu- nity is his “Yi-Fee Algorithm.” Kochan has later been revisited in collaboration with Prince- ton colleague John Conway. The theory is based on the idea that there will be free will, then elementary particles, such as atoms and electrons, possess free will as well.

Kochan chaired Princeton's Depart- ment of Mathematics from 1990 to 1993, and after that he served as departmental representative and associate chair with general responsi- bility for the department's undergraduate program in mathematics. His accolades for his mathematical work include the Freudenthal Medal from the American Mathemat- ical Society. "Kochan was responsible for a verita- ble revolution in the field of investment management with "A Random Walk Down Wall Street, which was first published in 1973. With more than 1.5 million copies sold and translations in nine languages, it is one of the most influential books in the field of investment management."

Malkiel has taught numerous undergraduate and graduate courses at Princeton in macroeconomics, corporate finance and investment markets, as well as a graduate course in money and banking. His research primar- ily focused on the pricing of financial assets, and he has published in a num- ber of important academic, monetary and political rearrangements and emerging economies.

Malkiel earned his bachelor's degree and master's in business administra- tion from Harvard University. He joined the Princeton faculty in 1964, the same year he received his Ph.D. from the University. From 1973 to 1977 he served as Princeton's Council of Economic Advisers. He spent 1981 to 1988 as dean of the Yale University School of Management, then returned to Princeton, where he has twice chaired the Department of Economics and the Financial Research Center, a forerunner of today's Bend- hheim Center for Finance.

Piglia joined the Princeton faculty in 2001, arriving from the University of Buenos Aires in his native Argen- tine. He received his doctorate from the National University of La Plata, Piglia is well- known author of novels, short stories and essays. His work often tackles the meaning of the social and political processes. Several of his works have been adapted as films. At Princeton Piglia regularly taught a popular course on Argentine writer Jorge Luis Borges. In other seminars and courses, Piglia has brought avant-garde writers including Ma- donio Fernández, Juan José Saer and Rodolfo Walsh. Piglia has also taught classes dealing with literature and politics.

Continued on page 11

12 faculty members transfer to emeritus status

Nick DULIO
What new initiatives have you been focusing on since assuming the leadership of PPPL?

What are your priorities and vision for PPPL?

What kind of fusion research programs are being pursued in other countries?

What is commercially viable fusion energy truly achievable?

Is it reasonable to believe that fusion reactors will someday exist?

Why should the United States maintain its funding of the fusion program?

What are your priorities and vision for PPPL?

The vision for the lab is that it be at the world forefront of fusion research, in basic plasma physics and in many applications of plasma science. We aim to aggressively enhance the knowledge base to deliver fusion to the world as quickly as possible. We also wish to expand our activities across the broad frontier of plasma science and technology.
Eight new trustees named, Hall to chair executive committee

P rinceton has named eight new members to its Board of Trustees, and Kathryn Hall will assume leadership of the board as of the execution of its annual meeting.

The new trustees are: A. Scott Berg and Meg Whitman, who were elected by the board of trustees for 10 years as charter trustees; Carl Ferenbach III, Charles Gibson and Philip Hammarskjold, who were elected by the board to serve for four years as term trustees; Pyper Davis and Min Zhu, who were elected by the alumni to serve for two years as alumni trustees; and Akum-Antaghe, who was elected by the Princeton University Investment Partners, a private equity firm. He also was a senior English. He served as a head writing graduate this year with a degree in research on effective and sustainable summer. The Andlinger Center was of New York provided project man- tal systems. The facility was designed administrative computing capacity, as also will support The two-story building will serve as current projects.

C onstruction of Princeton University’s new High-Performance Computing Research Center is expected to near completion this summer, while work on the Andlinger Center for Energy and the Environment is scheduled to begin. Several other construction and renovation projects that will continue on campus this summer.

Anne St. Mauro, assistant vice president for Facilities, Construction and Campus Planning, said: "The demand for campus energy and electrical services is growing, and this is a great project to support that demand."

Several projects are expected to complete work on campus this summer, including the building of a new science research facility at the Forrestal Campus.

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Summer news on the Web

While the Bulletin does not publish during the summer months, the University home page at <www.princeton.edu> will continue to be updated with news and features stories about people and programs at Princeton.

Listings of public events during the summer also may be found in the “Featured Events” section of the Princeton home page at <www.princeton.edu> and on the online Public Events Calendar at <www.princeton.edu/events>.

Richardson hosts summer performances

Princeton Summer Chamber Concerts will present the following performances at 8 p.m. in Richardson Auditorium of Alexander Hall:

• Tuesday, June 21: Weiss-Kaplan-Newman Piano Trio
• Wednesday, July 6: Dolce Suono Ensemble
• Thursday, July 14: Voxare Quartet
• Tuesday, July 26: Linden Quartet

Free tickets may be picked up at the Richardson Auditorium ticket office beginning at 6:30 p.m. on the evening of each performance.

Frist presents summer series

The Frist Campus Center will present its Summer Program Series, featuring concerts and other activities, on the following Wednesdays at 4:30 p.m. on its South Patio:

• June 15 — Concert: Yosi (children’s music)
• June 22 — Jazz band pot decorating
• June 29 — Concert: Nelly’s Echo (reggae/soul/blues)
• July 6 — Ice cream sundae bar
• July 13 — Concert: Alex & Janel (acoustic/Americana/folk)
• July 20 — Tote bag and hat painting
• July 27 — Concert: Key Wilde & Mr. Clark (children’s music)

All events are free and open to the public. Refunds will be served. In case of inclement weather, activities will move indoors to the Frist Food Gallery on the A level.

Online: More information at <www.princeton.edu/frist>

Carillonneurs to perform at Cleveland Tower on Sundays

The University’s 19th annual Summer Carillon Series, featuring carillonneurs from around the United States and abroad, will be held at 1 p.m. each Sunday from June 26 through Sept. 4 at Cleveland Tower on the Graduate College campus.

The concerts are performed on the University’s renowned Class of 1892 Bells, the fifth-largest carillon in the country and one of the top 10 in size worldwide.

The following are details on the dates and performers:

• June 26: Robin Austin, Princeton
• July 3: Geert d’Hollander, Antwerp, Belgium
• July 7: Karel Keldermans, Springfield, Ill.
• July 10: Amy Johansen, Woodford, Australia
• July 14: Lee Cobb, Clearwater, Fla.
• July 21: Ed Nassor, Washington, D.C.
• July 24: Lisa Lanier, Blue Bell, Pa.
• July 31: Tsuru Takan and Ksia Piastowska (duet), Dusseldorf, Germany
• Aug. 7: Carol Jickling Lens, Denver
• Aug. 14: James Fackenthal, Chicago
• Aug. 21: Amy Johansen, Woodford, Australia
• Aug. 28: James Fackenthal, Chicago
• Sept. 4: Doug Gevert, Valley Forge, Pa.

For more information, contact Penni Rose at <prose@princeton.edu>.

Online: More information at <www.princetonartmuseum.org>
Commencement

Continued from page 1

But, she said, there are too many students today who will never encour-

gage their own “Mr. Orlikow.” She noted that 25 percent of students in this
country drop out or fail to complete high school on time — resulting ina

graduation rate that places the United States 20th among the 34 members

of the Organization for Economic Co-

operation and Development (OECD).

In addition, American students perform at or below average among

OECD countries in reading, math-

ematics and science.

“What is downright distressing is the fact that a student’s chances of being in
the bottom quartile and never finish-
ing high school are almost entirely
determined by his or her family cir-

stances,” Tilghman said. “Just consider the fact that the best predictor of SAT score is family income.”

Tilghman referenced a recent op-ed in The Daily Princetonian student
newspaper by U.S. Secretary of Education Arne Duncan, who wrote on paper this past week: “We call unequal access to students to an excel-

lent education the civil rights issue of our time, and he is right,” she said.

Beyond helping to achieve social jus-

tice, providing a quality education also could help to shore up the U.S. economy, she said, increasing both upward

mobility for individuals and global economic competitiveness for the country.

The advent of the knowledge economy has inextricably linked America’s future economic competitiveness in the world to the creativity and nimbleness of its workforce,” Tilghman said.

He appeared to the graduates, Tilghman offered up several Prince-

tonians as leaders in the “education revolution” that is gaining momentum across America. In fact, she credited

low-income students and now is a

champion for public education as a congressman from Colorado.

While not all graduates may accom-

plish these successes, most will be

citizens of places “that will depend on

their public schools for their future

prosperity, and all of you will be able to find ways to devote some of your

time and talents to raising both their

sights and their levels of achievement,” Tilghman said. “Your pledge today
to demand that those schools serve all their students well, not just the lucky

ones like you, could make all the dif-

ference in the world. The stakes have

ever been higher, nor the moment more

urgent, for millions of young

Americans and the nation as a whole.”

She concluded her talk with her

traditional send-off — this time includ-
ing a tribute to her former teacher:

“So as you walk, skip or run to the

FitzRandolph Gates today, as edu-

cated citizens of this and many other

nations, I hope you will carry forward

the spirit of Princeton and all that it

stands for. You are Princeton’s stu-

dents, it did not necessarily mean

that each of you carries today.”

As does each year, Princeton

honored excellence in teaching at the

Commencement ceremony. Four

Princeton faculty members received

President’s Awards for Distinguished

Teaching (see story on page 10), and

four outstanding secondary school

teachers from across New Jersey also

were recognized for their work.

Other honors for students were

presented over the last few days of the academic year. Six graduate

students were honored for excellence

in teaching during the Association of

Princeton Graduate Alumni’s Trib-

ute to Teaching Reception May 28.

Advanced degree candidates par-

ticipated in the hooding ceremony

at Princeton Stadium on May 30.

Also on May 30, seniors were

recognized at Class Day ceremonies,

where the keynote speaker was actress

Brooke Shields, a 1987 Princeton

alumna. In her address, she com-

bined memories from her four years on campus with advice about how the

class of 2011 might put their Princeton experience to use in their professional

and personal lives. “This university does not just teach you about subjects, it

teaches you how to have independent thought, it teaches you how to take
direction and give it, how to engage in heated debate,” she said. “Without that,
fearlessness and growth that culminated in my degree, I would have never

survived my industry. … I would never have been able to adapt or

reinvent: from movies, to television, to stage, to author, to mom. I’ve been

lucky, but only because I worked hard and I had the same strong foundation

that each of you carries today.”

By the numbers

The University awarded degrees to

1,202 undergraduates in the class of

2011, four from other classes and 815

graduate students at its 264th Com-

mencement. It also conferred honorary

doctoral degrees upon six individu-

als for their contributions to sports,

education and the arts: Henry “Hank”

Aaron, baseball Hall-of-Famer; Geo-

rgey Malkiel, a renowned businessman

and Pulitzer-Prize-winning author;

Shi delivered a salutatory poem in

Latin, one of her key areas of study.

The Princeton tradition dates to an

time when the entire ceremony was

conducted in Latin. The Latin Saluta-

tory, Princeton’s oldest student honor,

began as a serious, formal address, but
today it often contains humorous

tributes, recollections and a farewell to

Princeton campus life.

“Se the generations advance

onward,” Shi said. “Marching once

and only once, then, friends, and all
together, we sing, ’Hurrah, Victory!’

exulting, and twice again say, ’Hur-

rah, Victory!’ and will lift to heaven’s

lofty arch the noble name of Princeton,

keeping each other close to our hearts,

ever forthright. Blessed friends, I shall

say ’Hail, not Farewell!’ and this too:

‘With unyielding loyalty, love each other

always.’”

honorary degree recipients pictured with President Tilghman (fourth from left) were (from left): Judith Jamison, Susan Desmond-Hellmann, Robert Rawson Jr., Geoffrey Canada and Henry “Hank” Aaron

At the Baccalaureate service the day

before, New York City Mayor Michael Bloomberg, a renowned businessman

and philanthropist, whose daughter

Emma is a 2001 Princeton gradu-

cate, spoke. He urged the graduates
to find time to give back to others: “It’s

the glue that binds us together as Americans — and the fact that your

generation is more active in service than

any before it is an incredibly hopeful

and encouraging sign for the future.”

The Princeton University awards to

the class of 2011 included:

• 635 bachelor of arts or science

• 163 high

• 245 honors

graduate students receiving degrees included:

• 38 doctor of philosophy

• 302 master of arts

• 21 master of engineering

• 73 master in public affairs

• 19 master in finance

• 18 master of science in engineering

• 16 master of business administration

• 5 master of fine arts

• 5 master of fine arts

• 1 master of arts in Near Eastern studies

Commencement

June 13, 2011

Honorary degree recipients pictured with President Tilghman (fourth from left) were (from left): Judith Jamison, Susan Desmond-Hellmann, Robert Rawson Jr., Geoffrey Canada, Charles Gillispie and Henry “Hank” Aaron

Social media coverage of graduation events can be found on Princeton’s Facebook-page at <www.facebook.com/PrincetonUn>.
LEFT: Brooke Shields, an actress, author and advocate, delivers the Class Day keynote address wearing the class jacket of her 1987 Princeton graduating class — and orange-and-black sunglasses.

LEFT: Joyful students celebrate at Class Day, a lighthearted event at which Princeton students are honored for their accomplishments.

LEFT: President Tilghman joins New York City Mayor Michael Bloomberg in the Baccalaureate procession.

LEFT: Brooke Shields, an actress, author and advocate, delivers the Class Day keynote address wearing the class jacket of her 1987 Princeton graduating class — and orange-and-black sunglasses.

LEFT: Irfan Kherani (middle) collects his diploma at the Wilson College residential college diploma distribution after Commencement, along with father, Nizar, and mother, Nasim.

RIGHT: Graduating students happily exit FitzRandolph Gate following the Commencement ceremony.

LEFT: Degree candidates from the Graduate School pause to memorialize the moment during the Commencement ceremony.
Four faculty members recognized for outstanding teaching

Faculty members recognized with President’s Awards for Distinguished Teaching by President Tilmann (center) were (from left): Daniel Oppenheimer, Alexander Nehamas, the Edmund N. Carpenter II Class of 1942, and Anne Case.

Professor in the Humanities and professor of philosophy and comparative literature; and Daniel Oppenheimer, associate professor of psychology and public affairs.

The awards were established in 1991 through gifts by Princeton alumni Lloyd Cotsen of the class of 1950 and John Sherrerd of the class of 1952 to recognize excellence in undergraduate and graduate teaching by Princeton faculty members. Each winner receives a cash prize of $5,000, and his or her department receives $3,000 for the purchase of new books.

A committee of faculty, under- graduate students, graduate students, and academic administrators selected the winners from nominations by current students, faculty colleagues and alumni.

Case, who earned a master’s in public affairs from the Woodrow Wilson School of Public and International Affairs in 1983 and a Ph.D. in economics from Princeton in 1988, has been a member of the University faculty since 1991. Her scholarly interests are economic development, primarily in South Africa, and health issues in developed and developing countries. Her teaching style is recognized for its ability to bridge economic theory to students at the undergraduate level in the Department of Economics.

In the classroom, Case brings intellectual and imaginative teaching to life in unprecedented ways, reminded us of the bigger world beyond the confines of the Princeton University. Another graduate student in economics added, “She is a teacher who can transform any dry, theoretical lesson into accessible and exciting material, full of unanswered questions for us to explore together with her. She turns each lecture into an exciting discussion in which even the shy students like me feel stimulated to participate.”

In nominating Case, it was noted that Case is both tireless and selfless in supporting the development of her advisees and other students. For example, she established a research lunch for faculty and graduate students who work in development and health, at which students present works in progress. In addition, two colleagues recalled, “Several summers ago, Anne arranged a research colloquium for approximately eight Ph.D. students at a remote field site in South Africa. There they learned about the research going on at the site and interacted with South African researchers and graduate students. We know that Anne used her own unrestricted funds to cover a substantial portion of this colloquium — funds she could have used for her own work.”

As an adviser, Case is known for motivating students to pursue challenging questions and to think creatively about how to develop their own research ideas. “Teaching economics demands a delicate balance between instilling confidence in a student’s abilities while still making sure they are uncomfortable enough to push themselves as hard as is required,” Anne explained at this skill, a former advisee wrote. Another former graduate student recalled, “When I would come to her office with a crazy idea, possibly promising but perhaps almost impossible to actually pursue, she’d join my excitement and say something like, ‘Yeah, go for it. Now just do it.’ And I, eventually out of excuses, just did it.”

Known as a Princeton faculty member since 1992, he is a historian and legal scholar who also directs the interdisciplinary Program in American Studies. His breadth of interests, collaborative mindset and infectious enthusiasm for learning have inspired, says one current student in economics, “Professor Case’s passion for South Africa surfaced in nearly every lecture through anecdotes or rigorous academic discussions. Her enthusiasm and unquenchable thirst to understand the problems besetting South African households infused life into dry or seemingly intangible economic theory. . . . Professor Case’s excitement over the latest release of a comprehensive demography survey from KwaZulu-Natal, or lingering questions as to how and why family composition was dramatically changing over time, reminded us of the bigger world beyond the confines of the classroom.”

One of the problems these problems really offer an answer about legal history in any way, but they are meant to demonstrate how legal historians ask questions, what sources look like and how we struggle over and through them. Above all, they are meant to show that law is messy (not tidy, as the students hopes).” He engages students in these issues with a “no bells and whistles” approach that emphasizes critical thought, and “gradually they begin to trust Professor Hartog and to see themselves emerging as bigger thinkers.”

Hartog is a diligent critic of his students’ work, vigorously editing their prose and challenging their arguments to make them more efficient and persuasive writers. He puts similar effort into finding time to engage one-on-one with students. One undergraduate student wrote that students may often “assume that a good teacher is the equivalent of a brilliant or charismatic lecturer, when in fact the most valuable kind of teaching (and learning) often takes place outside the classroom or lecture hall — during office hours, through email exchanges, from timely and insightful feedback on assignments, through frequent, focused and illuminated conversations. Although Dirk’s lectures are on par with the best I’ve experienced in the history department, he is also a master at this other kind of teaching.”

This approach also has won Hartog praise from graduate students. “Perhaps the most important quality among those that make Dirk a great, great teacher is that, as best as I can describe it, he has mastered the art of being a teacher–friend,” wrote a former graduate student. “Becoming Dirk’s student means right away entering into a conversation in which, somehow, Dirk manages to be a mentor, a guide, and a resource, while at the same time making one feel like a colleague — a colleague-in-the-making, to be sure, but a colleague nonetheless.”

Nehamas, who earned his Ph.D. from Princeton in 1971, has taught at the University since 1990. Renowned as a scholar with a wide range of interests across the humanities, Nehamas is an internationally recognized expert on German philosopher Friedrich Nietzsche. He is best known among undergraduates for his course on Western philosophy, which is the most popular in the philosophy department. Students also have cited his undergraduate courses on literature and philosophy as some of the best they have taken at Princeton.

While praising the memorable quality of his lectures, undergraduates cited Nehamas as a caring, spirited mentor who devotes considerable effort to advising their independent work and guiding them into their formal settings. A former student wrote that Nehamas “embodies the idea of a teacher who can transform not only lectures but also takes the time to enjoy a friendly conversation with his students. He is a humanist in the most admirable sense of that word: someone who believes in education as the highest ideal.” Another student, “Seth Nehamas is unfailingly kind, frequently witty, an admirable learning and teaching partner deeply interested in his students. He represents the highest standards of excellence in teaching and in cultivating individual relationships with his pupils.”

This esteem is shared by Nehamas’ graduate students, who have given high marks to his courses on moral psychology, 19th-century German philosophy and the philosophy of art. He also is a respected adviser whose dedication to mentoring continues to inspire former graduate students who are now professors themselves.

“Alexander is among the three or four most extraordinary teachers in my life,” wrote one former graduate student. “His combination of intellectual strength and engaging, clear, careful, thoughtful, critical feedback to students distinguishes him from every other teacher I’ve met. Many professors and colleagues. He makes a decisive impact on the lives of a huge number of students. Indeed, in making my own choices as a teacher, I continually return to him as a model and ask myself how Alexander would manage things.”

Colleagues marvel at Nehamas’ expansive research and teaching interests. In addition to his dual appointments in philosophy and comparative literature, he has served as chair of Princeton’s Council of the Humanities, founding director of the Stone Center for the Study of Liberal Institutions and the Program in Hel- lenic Studies. “What he has given in the classroom is prodigious,” wrote one colleague, adding that “wherever there are students of extraordinary learning and/or imagination and/or originality, they turn out to have found their way to Alexander, whether studying in the history department, in political science, or in the philosophy department, as the simply finding confirmation of what it means to be a humanist of the greatest rigor and breadth.”

Oppenheimer, who has taught at Princeton since 2004, studies logic and decision science in a variety of contexts, from education to charitable giving to the stock market. Oppenheimer’s pursuit of his eclectic collection of research interests is fueled by the intellectual and creative stimul- ulation he receives from his students. Among leading his popular “Introduction to Psychology” course, advising under- graduate and graduate students, and serving as faculty fellow to the Princeton men’s and women’s varsity volleyball teams.

In taking on teaching duties for “Introduction to Psychology,” Oppenheimer has earned the respect of his colleagues and the rapt attention of his students by developing a curriculum Continued on page 11
Board approves promotions for 24 faculty

T
he Board of Trustees has approved the promotions of 24 faculty members, all effective July 1, 2011, except where noted. The faculty members and their departments, by the academic rank to which they are being promoted, are:

- Professor — Moss Charikar, computer science; Mung Chiang, electrical engineering; Martin Gilson, politics, Yiqiang Ju, mechanical and aerospace engineering; Scott Lynch, sociology; Denise Manginell, environmental engineering and public and international affairs; Jan-Werner Muller, politics; Catherine Murphy, environmental engineering and public and international affairs; Frans Pretorius, physics; Joshua Rabinowitz, chemistry and the Lewis-Sigler Institute for Integrative Genomics; Jesse Reiser, architecture; Mona Singh, computer science and the Lewis-Sigler Institute for Integrative Genomics; Thomas Tredici, French and Italian; and Stacy Wolf, theater in the Lewis Center for the Arts.

Associate professor (with continuing tenure) — Rachael Delue, art and architecture; Angel Harris, sociology and African American studies; Desmond Hogg, philosophy; Sergei Oushakine, Slavic languages and literatures; Kristopher Ramsay, politics; and Michael Reynolds, Near Eastern studies.

Assistant professor — John Baldwin, molecular biology; John Goldberg, computer science and the Lewis-Sigler Institute for Integrative Genomics; and Negar Kord and public affairs, effective Feb. 1, 2011; Gustav Holzegel, mathematics; and Micah Warnick, political science, for terms of three and a half years; the other appointments are for three years.

Employee retirements

Effective May 1: in information technology, associate chief information officer for operations and planning Nancy Costa, after 13 years; in Near Eastern studies, department manager Kathleen O’Neill, after 17 years; in the plasma physics lab, mechanic Lawrence Rich, after 11 years.

Effective June 1: in the plasma physics lab, general mechanics/maintenance staff member Larry Jones, after 37 years; in information technology, manager of telecommunications support and administration Bonnie Monahan, after 20 years.

Effective July 1: in public safety, campus access officer Willie Figgins, after 35 years; in Building Services, janitor Carl Goodale Jr., after 16 years; in the library, librarian supervisor/automation unit Gomul Yurdakul, after 16 years.

Faculty members submit resignations

T
he following faculty members have submitted their resignations:

Effective July 1, 2011: Saeed Tavazele, professor of molecular biology and the Lewis-Sigler Institute for Integrative Genomics, to accept a position at Columbia University.

Effective Sept. 1, 2011: Dmitry Belevy, associate professor of mathematics, to accept a position at McGill University.

Effective May 1, 2012: Alexander Hirsch, assistant professor of computer science, to accept a position at City College of New York; Michael Hochman, assistant professor of mathematics, to accept a position at Hebrew University of Jerusalem; and Sergey Norin, assistant professor of mathematics, to accept a position at Princeton University.

Trustees

Continued from page 6

investment officer of Hall Capital Partners LLC, a San Francisco-based investment management firm that she founded in 1994. She earned an A.B. in economics from Princeton in 1980. Hall, who will be the first woman to serve as chair of the executive committee, was elected a charter trustee in 2007 and currently is the PRINO board chair, a role she will relinquish in July. She previously served as a University term trustee from 2002 to 2006.

Joining Hall as new members of the board’s leadership are Benjamin Henry, who will become vice chair, and Robert Merley, who will become clerk. Henry, who graduated from Princeton in 1969 with an A.B. from the Wilson School, was one of Princeton’s first yellowjackets, a student group that serves as president of the Alumni Association. Merley, who earned his A.B. in political science and economics from Princeton in 1979, is co-chair of “Aspire: A Plan for Princeton,” the University’s five-year campaign to raise $1.25 billion.

Emeriti

Continued from page 4

In 2002 Piglia founded the Princeton Documentary Film Festival in collaboration with filmmaker Andréï di Tella. He has also been instrumental in bringing to campus notable artists and writers such as pianist Gerardo di Tella. He has also been instrumental in bringing to campus notable artists and writers such as pianist Gerardo di Tella. He has also been instrumental in bringing to campus notable artists and writers such as pianist Gerardo di Tella. He has also been instrumental in bringing to campus notable artists and writers such as pianist Gerardo di Tella.

Steglich received bachelor’s and doctoral degrees from New York University, and in 1963 moved directly into a position as an assistant professor of electrical engineering at Princeton. He in 1985 he became one of the initial faculty of Princeton’s newly formed Department of Computer Science and has taught an extensive variety of courses.

Teaching

Continued from page 10

that incorporates amusing yet inspiring lectures with engaging laboratory sessions. He totes bags of M&Ms to classroom demonstrations, and even students who volunteer to be part of the Opp lab. But he said to keep a good sense of humor while making him relatable despite his genius.

and the two-volume work “Unstately Power.”

A graduate of Williams College, White earned his Ph.D. from the University of California-Berkeley, where he taught for a year before joining Princeton’s Woodrow Wilson School, Department of Politics and Program in East Asian Studies. In 1973 he also is an associated professor of Princeton’s Department of East Asian Studies.

White has taught numerous Wilson School policy task forces and policy coordination courses. He is a former head of the Wilson School’s undergraduate and master of public affairs programs, as well as a former director of graduate studies in the Department of Politics. He is a lifetime member of the Association for Chinese Political Studies, the American Political Science Association and the Association for Asian Studies.
The expansive mural at the Home Rubber Company facility covers more than 7,000 square feet of wall space.

Continued from page 1

The mural project in Trenton is a collaboration among many partners. The University’s Center for African American Studies, Lewis Center and Pace Center for Civic Engagement worked with the city of Trenton and several community groups to launch the Trenton Mural Arts Project, a volunteer-based organization that hopes to establish a vibrant mural arts program in the city. The mural at the Home Rubber Company is the project’s first undertaking. The organizers hope the mural will be a source of inspiration and pride for residents, as well as an example of community collaboration.

The project was initiated two years ago by the Atelier program, which wanted to do a mural project with students. The Arts and Social Justice Initiative at Princeton’s Center for African American Studies. The initiative forges community partnerships in Trenton and the surrounding areas to broaden and enhance scholarship about how the arts have an impact on social justice issues and community collaboration. The two academic programs began working together on the project with the Pace Center, which offers students opportunities to engage in public service and helped facilitate public outreach for the mural project.

Golden immersed her students in the study of public art and in the many steps involved in creating the mural in Trenton, which was created by artist Phillip Adams, who collaborated with students on the project. "The class studied the history of mural art, formal issues of design and function, how the mural process has been a powerful tool for social change, and how identity, perception and power shift when communities are part of creating and writing their own histories through public art. Guest artists visited the class to talk about mural design, and the students traveled to Philadelphia to see some of the program’s murals there.

Critical to the course was the students’ attendance at four community meetings to discuss ideas for the mural with residents and get their feedback. Golden always solicits extensive community input on a public mural project, she said. "A mural is always about building a collaboration between the artist and the community,” Golden said. Attend ing the meetings gave the students “a sense of what community-based public art means to a community,” she said. For Sarah Williams, a member of the class of 2011, the meetings were a highlight of the course. "I was really interested in meeting the people the mural was for,” she said, adding that spending time with a 7-year-old boy at one of the community meetings “put a face to the process.”

The mural’s design — described by its creator, Adams, as "Past Present Future” — emerged from the meetings. The design includes historic images, a salute to Trenton’s industrial origins and an image of water as a representation of the future.

At the Community Paint Day in April, Princeton students joined more than 100 members of the community to roll up their sleeves and paint parts of the mural. The students spent several additional days painting at the site. For Robert Lambeth, a member of the class of 2014, the class was a chance to explore his interest in urban and public art. "It was impressive to see the process of art bringing people together," he said.

For O’Dea, who is majoring in the Woodrow Wilson School of Public and International Affairs, the mural project has been a valuable way to combine her love of art with her interest in education policy. "I’m thinking about policies to improve the urban educational system, and this project convinced me of how impactful art could be in the process. There is so much potential,” said O’Dea, who has worked as a summer intern at an inner-city school in Philadelphia.

Students design their own murals

For their final assignment, the students answered the question, “If you had the opportunity, what mural would you create and what would its impact be?” Each student — or in some cases a group of students — developed a detailed plan for their own mural by picking a location, interviewing people who spend time at the site and executing a design. They also created 5-foot-by-5-foot images of one section of their mural design, which were exhibited at the Friend Center on the Princeton campus in early May.

O’Dea’s design, which she planned for an exterior wall of the Young Scholars Charter School in Philadelphia where she has interned, has the word “scholar” prominently displayed with definitions of the word, along with colorful images of students dancing, creating art and studying. “I interviewed students at the school, and they were so descriptive in explaining to the community what scholarly means,” she said. "The kids were excited about it.”

The mural designed by Williams, along with members of the class of 2012, was planned for a lounge on the second floor of Terrace Club, an independent eating club for Princeton students. Knoepflmacher said the group solicited ideas from the club’s members for the design. "In class we had been talking about generating ideas from the community, rather than imposing your ideas,” Knoepflmacher said. "For me, that was the biggest takeaway from the class. As an artist, I’m used to making an image for myself. But here, I’m using my skills to make the community wants. You almost take the role of an observer,” a prospect that resonated with what he is studying as an anthropology major, he said.

Terrace members asked for a mural that would incorporate the club’s slogan, “Food=Love,” while celebrating members of Terrace and its sous chef of 20 years, Gladys Marin. The mural “is eclectic and humorous” — like the club’s members, Knoepflmacher said. It has been hung on Terrace’s second floor. As the vibrant blues and yellows of the Trenton mural attract the eyes of passers-by, the project serves for the students in the class, as a highlight of their Princeton experience.

“I am thrilled to have had the opportunity to contribute to the project, which I believe will enhance the Trenton community,” O’Dea said. "Working on the mural design gave me a new level of appreciation for both the challenges and the potential of the city of Trenton, and offered me an invaluable perspective — one that would be difficult to get in a classroom alone.”