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# **Literature's Glass Ceiling**

Jennifer Weiner '91's books are read mainly by women. Does that mean they're less worthy of respect?

By Jennifer Altmann

# 28 Hearts and Minds

Herman Taylor '76 has overseen the longestrunning study of heart disease in African-Americans. Here's some of what he learned. By Katherine Hobson '94

# **PAW.PRINCETON.EDU**



# Stealing the Clapper

Alumni recall a freshman tradition in the first episode of PAW Tracks, our new podcast.



**Building Creativity** 

Gregg Lange '70 traces growth in the arts at Princeton, from the 1930s to today.



**Poetic Princeton** 

More submissions of light verse written by alumni readers.



Alumni Blogs

Browse a directory of blogs by Princetonians, organized by class year.



# **Football Preview**

Meet the players to watch and read about key games on this season's schedule.

# A Fresh Look at Grading

ast October, at an alumni dinner in Seoul, South Korea, the first question I received was about Princeton's undergraduate grading policy. I remarked that if you had told me when the policy was adopted that, nearly a decade later, I would be meeting with alumni almost 7,000 miles from campus and grading would be the first topic of discussion, I would not have believed it.

I was among the faculty members who in April 2004 voted to approve the policy, which established institution-wide expectations for percentages of grades in the A range. I believed that Princeton needed to make a strong stand against grade inflation. After taking office as provost three months later, I continued to support the policy because I felt it would help students receive clear feedback on their academic work and because I was concerned about grading disparities across departments.

I admire the efforts of my predecessor, Shirley M. Tilghman, and former Dean of the College Nancy Weiss Malkiel to tackle a challenge that had vexed leaders throughout higher education for a generation. Grades at Princeton, and elsewhere, had been rising since the early 1990s. Variations in student assessments across departments and disciplines appeared troubling. President Tilghman and Dean Malkiel rightly recognized that grade inflation was a serious issue and worked diligently with departments to address the problem in the years prior to the creation of the new grading policy.

As I considered the grading policy upon assuming the presidency last year, I reflected on two factors that I, along with others in our administration and faculty, had not anticipated. First, almost 10 years after its enactment, the policy remained a lightning rod of controversy and a considerable source of stress for many students, parents, alumni, and faculty members. And, regrettably, none of our immediate peer institutions followed our example in taking tough measures to address grade inflation. As a result, Princeton, which ought to be renowned for the unsurpassed quality of its teaching, was attracting more attention for the severity of its curve.

These unforeseen circumstances, combined with the general precept that major policies deserve periodic reexamination, led me to ask a faculty committee to review Princeton's policies regarding academic assessment and grading. I charged the committee with examining two critical questions: Did we have the right pedagogical goals in mind in establishing the grading policy? And did we take the best steps to achieve them?

The committee — ably chaired by Professor of Mechanical and Aerospace Engineering Clarence Rowley '95 and consisting of some of our finest scholars and teachers — issued its report last month. The committee confirmed that the overarching goals of the grading policy were sound. It is imperative that faculty members provide students with clear and consistent feedback on the quality of their academic work. However, in exploring the second question I posed, the committee found that the policy's emphasis on grading targets should be reconsidered. Those expectations were too often misinterpreted as quotas, which obscured the goals of the policy and created confusion and anxiety.



The goal of Princeton's grading policy is to provide students with meaningful feedback on their performance in courses and independent work.

Through its rigorous evaluation of data and thorough assessment of feedback from a wide range of Princetonians, the committee made some notable findings. Grades at Princeton actually started coming down a year before the policy was adopted and grading targets were established, due to President Tilghman and Dean Malkiel's work with our academic departments to develop more consistent grading standards in reaction to grade inflation. The committee also found no evidence that the grading policy hindered Princeton students' competitiveness in seeking postgraduate employment, fellowships, or admission to graduate or professional programs, despite considerable consternation about the policy's impact on students' futures. Perceptions of the policy, however, have been a very real source of stress for students, which concerned the committee.

The committee accordingly recommended that we eliminate numerical targets for grades and that each department develop and articulate its own set of qualitative grading standards. This approach emphasizes that clearly stated evaluative criteria and meaningful feedback, not inflexible numerical categories, are the keys to a pedagogically optimal grading system.

I strongly support the recommendations made by the committee, and I am grateful to its members for their hard work and their thoughtful evaluation of this truly vital issue. The recommendations are now in the hands of the faculty for review and approval. I fully expect that there will be vigorous debate about our approaches to assessing student work, because I know that our faculty members care deeply about the welfare and the education of our students. Even while expressing divergent views on the current grading policy, our dedicated teachers have been conscientious in following its guidelines. And I am confident that no matter what shape our grading policies take, our faculty members will continue to work diligently to uphold Princeton's mission to provide undergraduates with the finest liberal arts education in the world.

Tutoph (Erguche)

# **REFLECTING ON REUNIONS**

As I return from the 30th reunion of the Great Class of 1984 and reflect upon the highlights of the weekend, so many come to mind. One moment stands out for me, though — one that underscores the spirit of Princeton and what makes the institution and its alumni such a unique community.

Scene: 30th-reunion dance floor, Saturday night. Dancing with 50-somethings and what appears to be the entire senior class (to our collective delight). A member of a younger class dances over to me. To say that we did not care for one another's company as undergraduates would be as polite a description of our relationship as ever was offered. He leans in to me, gives me a bear hug, and shouts into my ear (because the band's version of "Livin' on a Prayer" is loud), "We weren't the best of friends as undergrads; let's be the best of friends from here on out." Smiles and high fives ... and more dancing.

Who could argue with that? We all have the privilege of sharing a remarkable and, for many of us, transformational experience. Three cheers for Old Nassau.

Stephen P. Ban '84 Glenview, III.

Among the Reunions panels last May was one with an unusual focus: "Parenting Young Adult Children With Mental Illness." Our children are not young, but the opportunity to meet with other parents coping with adult children who have one of the manifestations of mental illness was a compelling draw.

The moderator started with a powerful punch: What do you include in Class Notes about your adult child who is dealing with mental illness? Usually, we say little (or nothing) — in part, of course, because of privacy issues, but too often also because of embarrassment.

It is hard to say "my daughter is bipolar" or "my son is schizophrenic"; hard to hear other proud parents talk of their successful children and grandchildren. Yet we are truly proud of our younger son, who is on the autism spectrum but who has held a supermarket job for more than 10 years, progressing from retrieving carts to bagging groceries, and finally to working as a cashier — where he was promptly scammed by a woman who apparently targeted him.

The store was wonderful, and kept encouraging him. It took nearly two years before he regained the self-confidence to again try the cash register, but he then succeeded. Kevin is a part-time employee. Imagine our surprise — and thrill — when we learned, last December, of his success in selling turkeys to be donated to those needing food at Thanksgiving. He had sold more than any other cashier, including full-time employees, and received a \$500 award from the store.

We who parent these adult children need to share our pride in

# **FROM PAW'S PAGES: 03/20/36**

# S.P.A.W.U.S.O.N.

Editor, the Weekly

THE waving of arms during the singing of "Old Nassau" by any large group of Princetonians resembles the random waving of a crowd on a boat dock or the haphazard flapping of flippers of a school (or is it a covey?) of seals seen in a travel film. In other words, there is no cohesion or united purpose about it. There is even a certain amount of danger. . . .

Why can't we all wave together? It should be very simple and easy. As I see it, it all depends on just two things: (1) Get off to the right start; that is, with the right arm extended across to the left side. (2) Watch the leader and quickly correct yourself, if you do get off to a false start.

I would like to recommend the formation of the S.P.A.W.U.S.O.N.—the Society for the Promotion of Arm-Waving in Unison while Singing "Old Nassau." I also urge, although realizing the dangers of overemphasis, a concentrated season of spring training at Senior Singing and the commencement baseball game, so that we shall all be in good shape for the next football season.

HALLOCK S. JOHNSON '27 Upper Darby, Pa.

their successes, these milestones of a successful life.

Bruce Nickerson '59 *Harvard, Mass.* 

My family and I enjoyed ourselves at Reunions this year. However, I could not help noticing the proliferation of gasoline-powered golf carts. These vehicles emit noxious fumes and particulate matter that irritate the nose, throat, and eyes of alumni and their guests. Reunions would be much more pleasant for everyone in attendance if the University were to switch to electric-powered golf carts.

Matthew Lennig '74 Palo Alto, Calif.

Just to set the record straight: I was with Joe Schein '37 in the P-rade, and he absolutely did not slow anything down ("The Marshal Plan," July 9). He actually was walking faster than the carts were moving! His granddaughter who was with him tried to slow him down, but he was having none of that. Turns out the

# CATCHING UP @ PAW ONLINE ① ②

In the wake of Robin Williams' suicide last month, Amy Solomon '14 drew attention for her senior thesis that explored the connection between comedic genius and mental illness. Read more about Solomon's research, which included interviews with more than 30 working comics, at paw.princeton.edu.



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# Inbox

delay was a fellow in '39 who was trying not to be outdone by another classmate who was walking. Joe is my hero, as are all of the Old Guard who brave walking in the P-rade.

Dorothy R. Werner Coordinator for Class Affairs **Alumni Association Princeton University** 

# **REUNION**

From each car Individuals merge tentatively with old selves;

Once part of a whole — crafted by Proximity and common pathways, Of collective courses of action and inaction;

Fingers on a hand that gave us all a pat on the back one day, as

Set adrift by the exigencies of Commencement,

Of embarkation into the world we would inhabit.

Once upon a time each one Tried on personas and passions, Moved steadily in set formation, Watching the sages of years past Pass, costumed and bedecked Before we fell in line and crossed Through the arch into an open field — Empty, yet full of consequence.

Returning to the scene of youth Each story has weight, must be heard. Each finger must flex as of old But no longer in tandem.

Now an unruly, Clambering vine extends in sundry courses And in magnificent distinction finds its way back, going back, Tasting the connection and Then away again, returning to separate worlds.

Helen Mazarakis '84 Montclair, N.J.

### **CIVIL-RIGHTS IMAGES**

Thank you so much for "Being There" (cover story, June 4) on Matt Herron '53's photographs about civil rights in Mississippi in 1964. The pictures and the story indicate great courage on his behalf, not only for himself but to organize a group to photograph all of the terrible things that were happening in the South.

I thought the nine pages plus the cover were simply outstanding, and also horrifying reminders of what a terrible

# YOUR COMMENTS ONLINE

# Crisis-talk and the humanities



Several readers posted comments at PAW Online to philosophy professor Gideon Rosen \*92's essay in defense of the humanities in the July 9 issue.

"Timely, exacting, correct!" commented Jelena Bogdanovic

"A very perceptive and compelling essay," wrote former University president Harold T. Shapiro \*64. "I recommend it to anyone seriously

interested in the future of higher education, and the ongoing vitality of

Politics professor Alan Ryan described Rosen's use of the term "incompressible" in referring to discoveries in philosophy and elsewhere in the humanities as "just wonderful: exactly and wholly right."

"The humanities are not dying. They are being murdered by the postmodernists," wrote James R. Thompson \*65, a professor of statistics at Rice University. "During the past decades, the administration of my university and those of many other universities have been recruiting and dispensing tenure to postmodern scholars as though they were a rare valuable species on the verge of extinction. In one 10-year period we hired more in the Department of History than in the entire Division of Natural Sciences."

time it was for blacks in the Deep South.

Scott W. Reed '50

Coeur d'Alene, Idaho

Please convey to Matt Herron that his 1963 photograph, "Ladies in Church, Birmingham, 1963," was not made in the Rev. Fred Shuttlesworth's church, Bethel Baptist Church, now a National Historic Landmark.

Bethel, headquarters for the Birmingham movement under the leadership of Fred Shuttlesworth, was bombed in 1956, 1958, and 1962. Its figurative glass windows were long gone when Herron arrived in 1963 in Birmingham to photograph the aftermath of the 16th Street Baptist Church bombing of Sept. 15, 1963.

Marjorie White s'64 p'92 p'93 p'94 *Director* 

Birmingham Historical Society Birmingham, Ala.

Editor's note: Matt Herron replied that a New York Times article on Sept. 16, 1963, reported a bomb threat at the New Pilgrim Baptist Church, where the Rev. Martin Luther King and other movement leaders were conducting a meeting. "That's probably as close as we can get to a positive church identification," Herron said.

# FOR THE RECORD

"Notes on a Crisis," a feature in the July 9 issue, incorrectly reported the year of the Higgs boson discovery; it was 2012. The essay also failed to note that Benjamin Schmidt \*13 is a graduate alumnus.

# **WE'D LIKE TO HEAR FROM YOU**

Email: paw@princeton.edu
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Suite 38, Princeton, NJ 08542
PAW Online: Comment on a story
at paw.princeton.edu
Phone: 609-258-4885
Fax: 609-258-2247

Letters should not exceed 250 words and may be edited for length, accuracy, clarity, and civility. Due to space limitations, we are unable to publish all letters received in the print magazine. Letters, articles, photos, and comments submitted to PAW may be published in print, electronic, or other forms. FROM THE EDITOR

# **PAW Evolves**

Last year at this time, PAW unveiled a new look. This year we highlight our evolution.

We continue to seek the right balance between old and new, tradition and innovation. PAW's archives are filled with Princeton treasures, including letters to the editor over the past 100-plus years. Coeducation, admissions practices, sports, curriculum, and personalities: all here, discussed and dissected, harrumphed and hurrahed. Beginning with this issue, Inbox will include one letter from Princeton's past,

exactly as it originally appeared.

Princeton history makes another appearance at PAW Online, paw.princeton.edu, with a new podcast series — PAW Tracks — covering campus traditions. In the first installment, Alan Whelihan '54 and Richard Muhl '54 tell of their freshman clapper caper, in which they dressed as painters carrying a ladder, climbed



'54 freshman clapper-caper masterminds, from left: Stephano, Duemler, Cooney, Frazee, O'Neil, Herndon, Whelihan, Schneider, Mallory, Marler, and Muhl

into the cupola at Nassau Hall, and detached and swiped the clapper — one of those "things that freshmen did if they were real freshmen," Muhl said. Other episodes will deal with the Quipfire! improv group, which has produced some of Princeton's best-known comedy writers and performers; and the Intensely Vigorous Jazz Band, which provided the soundtrack for the postwar campus music scene.

In our alumni section, Princetonians, we hope to broaden the range of voices in the magazine. For several years PAW Online has compiled links to alumni blogs. One we found especially interesting is A Year in Fromage, by Kazz Regelman '89. A story about Regelman and her blog is on page 37, and we will be sharing more writing by alumni bloggers. Then, in our next issue, we will debut a feature about the day-to-day lives of alumni of all ages — not the famous graduates with long résumés you read about in *The New York Times* or even the stars of Class Notes, but the rest of us: people building families and working regular jobs, and generally finding satisfaction in that. We hope that in this feature, you'll find something of yourself.

And to expand our coverage of books by Princeton alumni and faculty members, we will send a monthly email alert with information about additional works, available to all who subscribe.

To nominate a blog for coverage in PAW, to suggest a campus tradition deserving of a podcast, or to contact us for any other reason, email paw@princeton.edu. To receive our Princeton Books alert, sign up at paw.princeton.edu. We want to hear from you. — Marilyn H. Marks \*86



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READERS RESPOND TO PAW'S LIGHT-VERSE CHALLENGE



Accompanying a profile in the June 4 issue of Melissa Balmain '87, editor of a journal of light verse, was an invitation for PAW readers to submit their own Princeton-related light verse. Here are some of the responses, including one from Balmain.

# **FATHER AND SON: CLASS SCRIBES AND JIBES**

No wonder that I feel quite wary Of any Princeton class secretary

Because, true confession, I myself am one

What's even worse? So is our one son.

He and those in the Class '07 Lucked into a slice of heaven.

Whereas back in '69 While our halcyon years were fine

Pesky parietals in those days ruled Unless the proctors could be fooled.

Single sex then ... or no sex at all Winters unending, brief spring and fall.

A car? Seven miles to retrieve it Meal choices? Take it or leave it.

But we toughed it out with great good cheer

And relished each successive year.

So young'uns: To pass your most difficult test

Repeat after me: Father knows best.

Paul G. Sittenfeld '69 Cincinnati, Ohio

Should older secretaries' words be heeded?

Is their advice either wise or needed?

Consider '69: an enduring imprint But the same class scribe 40 years? Dad, take a hint!

The Old Guard talks tough; '07 won't be baited

We've known struggle, too: Our grades deflated!

We earned our admission with intellect brimmin'

Yet we can all agree: Thank God Princeton has women!

Another example of now versus then We computered our theses. Did you use feather pen?

In short, dear elders, is there a polite way to say:

Do you really think you'd be admitted today?

So alter the expression: "Father knows best"

To something more like: "Father, give it a rest!"

P.G. Sittenfeld '07 Cincinnati, Ohio

# THE DAY I REPORTED TO PRINCETON

The day I reported to Princeton No one was there.

I checked my Navy orders

9/11/47 report to Commander NROTC The date was right, but no one did I see I walked across the campus

Saw a woman sweeping a walk

"Pardon me, ma'am, where is everyone?"

"Freshmen come tomorrow," she replied My feelings of anxiety began to subside. My campus walk was soon ended

by a road

Right or left? Right I selected. Soon realized I was on steep hill I saw water below I thought was a pond. As I got closer, saw a boathouse and a sign.

"Canoes for rent," said the sign.

I paid three bucks, paddled off, feeling fine.

Soon another boat came into view It had a small mast and sail, somewhat askew.

Recognizing the "sailor" as I pulled alongside

My shock and awe, I tried hard to hide. "Morning, Dr. Einstein, nice day for sailing."

"Or canoeing," he replied with a smile. I pulled away and turned around So that he could see I wasn't going to hound.

If a question arises about my ability

A day in such detail almost Seven decades later: Wrong question

Right question: A day such as that, who could ever forget?

Bill Cobb '51 Mahwah, N.J.

# TIGER'S TOP-SHELF MUSE

A Tiger with a paper to write Sups on wine and gin each night He carves through rum and soaks up beer 'Til heaven opens and all is clear. With reading, the paper writes itself But, we agree, experience doesn't live on a shelf

So across McCosh and under an arch He walks through February, he walks through March

He edits on bourbon, he writes on ale, He heads to the Haven to fill up his pail. A Tiger with a paper to write Reads and reads and writes at first light.

Andrew Walsh '02 Alexandria, Va.

# **ADMISSION**

I read of them often in my issues of PAW; Their records do leave me in envious awe.

The kids who apply here have records so great.

Our students display now their scholarly traits.

Alums have accomplished so very much; Wrote books, did research, have governed and such.

While other alumni show talents so vast, Mine do compare as merely half vast.

# Inbox

So this question I've pondered again and again: How in the hell did *I* ever get in? Will Satterfield '56

Little Rock, Ark.

# THAT WASN'T ME

I never stole the clapper. I didn't streak the quad. If asked to join an eating club, I would have thought it odd.

I never climbed the Henry Moore Or shook a tiger's paw, But graduation heard me roar, "Three cheers for Old Nassau!"

David Galef '81 Montclair, N.J.

### THERE ONCE WAS A ...

There once was a poet named Melissa Whose rhymes were right in your kisser I tried some of the same But my rhymes were too tame Melissa, you're a hell of a pisser

Anton Z. Capri \*67 Edmonton Alberta, Canada

There once was a poet named Melissa What a face — I wanted to kiss 'er. Though my mind is that bold My lips are too old And cold with age — alas I will miss 'er. Joe Illick '56 San Francisco, Calif.

# **ANNUAL-GIVING SONG**

(Best sung in a Joisey accent to the tune of "Old Nassau") Remove the money from your purse; From bank account, withdraw. Alums, you know there's nothing worse Than to skimp on Old Nassau. A check for Old Nassau, my friends! Make sure it's for a lot! We are looking ahead To the day you'll be dead And leave us every cent you've got. Melissa Balmain '87

Rochester, N.Y.

Disclaimer: I'm a faithful contributor to Annual Giving, but I can't resist a good spoof...



**READ MORE:** Light verse by alumni at **paw.princeton.edu** 



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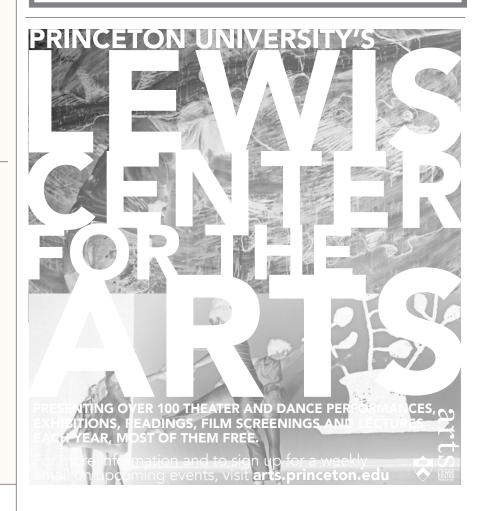
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# News from the Alumni Association

The Alumni Association of Princeton University: over 85,000 served

# **Beverly Randez '94**President, Princeton Club of San Diego





c. 1994

To learn the many ways to stay connected to Princeton, contact the Office of Alumni Affairs at 609-258-1900 or www.alumni.princeton.edu

# aluminaries

When the Princeton Tigers take the field against the University of San Diego Toreros in San Diego on September 20, the President of the Princeton Club of San Diego, Beverly Randez '94, will be in the stands and no doubt leading a mighty cheering section. After all, she was a fan of Princeton before she ever matriculated.

"Ever since I can remember, I wanted to go to Princeton. I grew up in San Antonio and had never seen the campus. But still I knew that it was the only school for me. When I got to Princeton, it exceeded all my expectations. I hardly ever went home again."

Not only did she spend a summer in Princeton as an undergraduate, Beverly frequently returned to campus after graduation while she was living and working in the New York area. And from 2003 to 2008 she was a staff member in the University's Office of Communications.

When she spent a couple years in San Francisco during the early 2000's, she joined the Princeton Club of Northern California. "I was too far away to get back to Princeton," she recalls. "Joining the club and serving as secretary was a way to stay connected to the University."

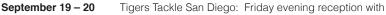
Beverly has now been in San Diego for six years. As in San Francisco, she quickly took an active role in the local Princeton club. She volunteered to become the inaugural treasurer in 2011 and began her term as president this year as well as a term on the Alumni Council's Executive Committee, where she will serve on the Committee on Regional Associations.

And now back to that football game...

"The Princeton Club of San Diego is so pleased to be joining the Princeton Football Association and Princeton Varsity Club in sponsoring a number of fun events the weekend of the game. We aspire to be gracious hosts to the reigning Ivy League champions and other visiting Princetonians!"

# **Dear Princetonians:**

Princeton alumni have many ways to gather together this fall, both on campus and across the world. We hope that many of you will come out to see friends, cheer on the Tigers, meet with President Eisgruber and learn about Princeton today:



remarks by Coach Bob Surace followed by a pre-game

tailgate and football game on Saturday

September 23 Alumni Gathering with President Eisgruber in Philadelphia

October 16 – 18 Coming Back: Reconnecting Princeton's Black Alumni,

an on-campus Princeton University Conference featuring

faculty, students and alumni

October 25 Princeton-Harvard Football Game and Tiger Tailgate

October 28 Alumni Gathering with President Eisgruber in Singapore

November 17 Alumni Gathering with President Eisgruber in Boston

**December 15** Alumni Gathering with President Eisgruber in Portland, Oregon

All best from the Princeton campus!

Margaret M. Meller

**Margaret Moore Miller '80** 

Associate Vice President for Alumni Affairs

http://alumni.princeton.edu/calendar/













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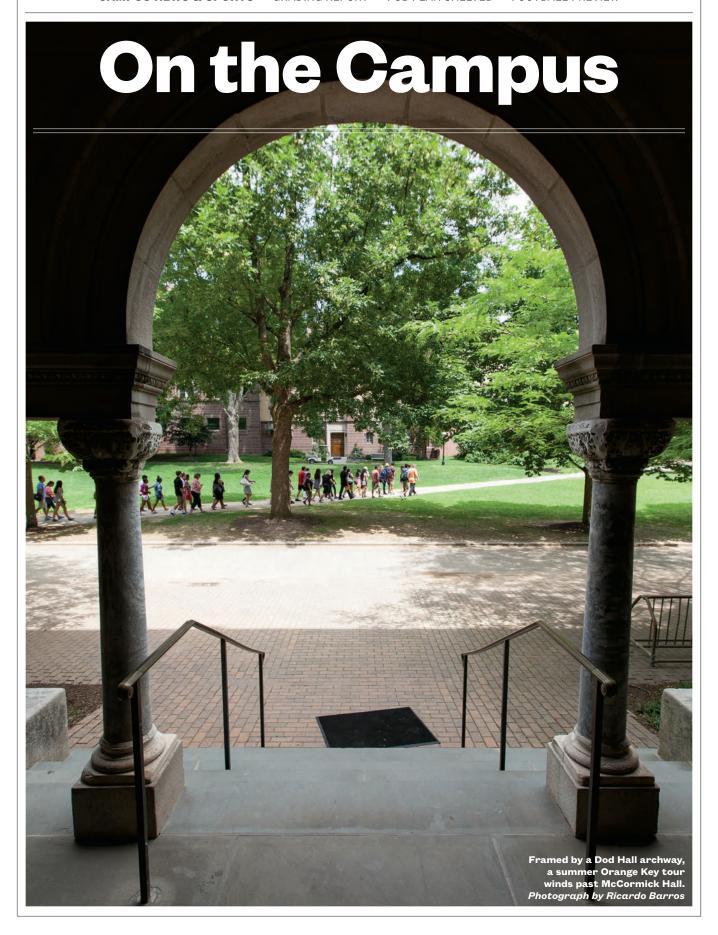


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# About-Face on Grading?

# Faculty to consider ending targets for A's, relying instead on departmental standards

rinceton soon may abandon its controversial policy aimed at curbing grade inflation, following recommendations by an ad hoc faculty committee that the University drop its numerical grading targets and focus instead on providing better feedback for students' work and establishing clearer grading standards at the departmental level.

The current guidelines, adopted in 2004, seek to limit A grades to 35 percent of undergraduate coursework. Though they are recommendations only, the targets are "too often misinterpreted as quotas" and contribute to student anxiety and a culture of competition on campus, the committee concluded in a report released in early August. The group was appointed by President Eisgruber '83 to review the policy.

Eisgruber has endorsed the committee's proposals, which likely will come before a faculty vote in October. "It's my strong feeling that we should be known for the quality of our teaching and the distinctiveness of our commitment to undergraduate education, not for the severity of our curve," he said. "The committee wisely said: If it's feedback that we care about, and differentiating between good and better and worse work, that's what we should focus on, not on numbers."

Since the policy was adopted, the percentage of A's awarded has dropped from 47 percent in 2001-04 to 41.8 percent in 2010-13. As a result, a larger share of grades shifted into the B-range, while the fraction of grades C and below held steady.

Despite student complaints that the "grade-deflation" policy puts them at a disadvantage, the committee found no evidence that it had harmed most graduates' job prospects or success in gaining admission to graduate or professional schools or winning competitive fellowships. (The exception, the committee found, was ROTC students, whose first assignments are

awarded based on GPA rankings.)

Nevertheless, the perception that A's were in short supply has turned classrooms into pressure cookers, the committee concluded.

Shawon Jackson '15, president of the Undergraduate Student Government, welcomed the proposals. "I think the shift away from quotas will have a huge impact on the student body," he said. "It will show that you don't have to fight with your peers to get an A or A-minus in a course. If you meet the standards that are established from the beginning, you'll get the grade you deserve."

"We should be known for the quality of our teaching and the distinctiveness of our commitment to undergraduate education, not for the severity of our curve."

- President Eisgruber '83

Fear of low GPAs may deter prospective students from attending Princeton, the report suggested. Coaches

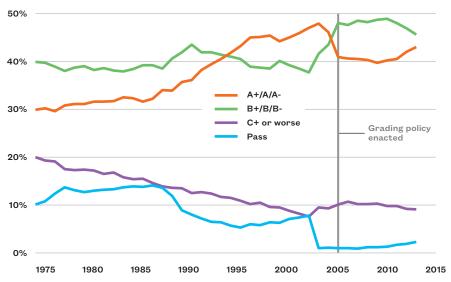
reported that perceptions of the grading policy handicapped them in recruiting student-athletes, the report said. Janet Rapelye, dean of admission, told the group that applicants and their parents fixate on the grading targets and that the grading policy was the "most-discussed topic" among prospective students at the Princeton Preview days. "The committee was surprised to learn that students at other schools (e.g. Harvard, Stanford, and Yale) use our grading policy to recruit against us," said the report.

What's more, the committee concluded, the numerical targets may have been only partially responsible for reversing a pattern of higher grading. After a period of "substantial grade inflation" from 1974 through 2003, the report noted, grades fell sharply in advance of the current policy's implementation in 2005. The fraction of A grades continued to decline a bit for a few years, then increased between 2009 and 2013 as monitoring of the policy grew more lax.

The fact that the steepest drop in grades occurred in the two years before the policy took effect suggests that sustained conversation about grading may be as effective as numerical targets in keeping rising grades in check, the report concluded. It recommended that departments develop grading rubrics — similar to those created for assessing senior theses — to give students a clearer sense of what distinguishes A-level work.

Rolling back the grading policy

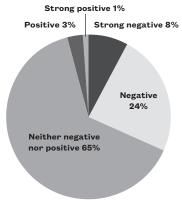
# Grade distribution at Princeton, 1974-2013



Charts: Steve Wolock/River Graphics; source: Report from the Ad Hoc Committee to Review Policies Regarding Assessment and Grading

# From top: Denise Applewhite/Office of Communications; Tim Lee/The Signal/TCNJ; Frank Woiciechowski; Brandon Holt '15

# Grading policy's effect on students' decisions to come to Princeton



would end an experiment that has been hailed in academe as both successful and courageous. When the policy was adopted, Princeton had hoped that other elite schools would follow suit. None of the Ivies did, though Wellesley College in 2004 instituted guidelines that the mean grade for 100- and 200-level classes should not exceed a B+.

An analysis of Wellesley's guidelines published in The Journal of Economic Perspectives found that, although the policy brought down grades, it also widened racial gaps in grading trends and reduced enrollments in departments most affected by the changes. "Any institution that attempts to deal with grade inflation on its own must consider the possibility of adverse consequences of this unilateral disarmament," the

Wellesley researchers warned.

Princeton's willingness to take bold actions ahead of its peers paid off in the case of its "no loan" financial-aid policy, Eisgruber said. But in terms of grading, he said, "being out there alone increased the stress around our policy."

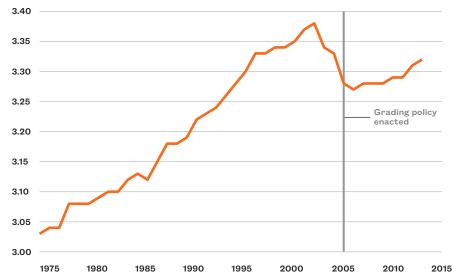
If the faculty committee had found that "there are huge pedagogical benefits to numerical targets, we would have stuck with numerical targets," he said. "But what they've said is that this may be unusual, but it's not bold in the sense of improving our education in any way."

"We continue to be bold in doing things that innovate on our campus," he said, citing the bridge-year program and the University's commitment to keep tenured faculty in the classroom.

A survey for the committee showed faculty members split on their view of the grading policy (47 percent in favor, 37 percent opposed, 16 percent neutral), with natural sciences expressing the strongest support and the humanities the widest opposition. But the survey found only minor shifts of opinion in the past decade; when asked about their position at the time it was adopted, 50 percent of faculty who were on campus in 2004 reported they had been in favor of the policy, compared with 35 percent opposed and 15 percent neutral.

The committee's recommendations are "muddled thinking," said physics professor Daniel Marlow, who said that continues on page 16

# Princeton students' average GPA, 1974-2013



# Reactions to **Grading Report**



"Although these targets were not quotas per se, the dean's office clearly intended

that department chairs implement them, not simply recommend them." - English professor Esther Schor

"I don't think we can give students high grades just to lower their stress level." — Physics professor **Daniel Marlow** 



"If all my students deserve good grades. I should be the first one to know

that, not somebody else establishing policy from beyond." — Art and archaeology professor Jerome Silbergeld



"If it's to be left to departments, I would describe that as an act of despair — in

other words, I think it's giving up." — Professor Stanley Katz, Woodrow Wilson School

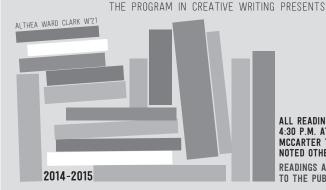


"I think the shift awav from quotas will have a huge impact on the student

body." — Shawon Jackson '15, USG president

# **WHAT'S YOUR VIEW?**

Comment at PAW Online or email paw@princeton.edu



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Aleksandar Hemon (fiction) & Dean Young (poetry)

# WEDNESDAY, DECEMBER 10

Student Readings (Chancellor Green Rotunda)

# WEDNESDAY, FEBRUARY 11

Evie Shockley (poetry) & Meg Wolitzer (fiction)

# WEDNESDAY, MARCH 11

Akhil Sharma (fiction) & A. E. Stallings (poetry)

# WEDNESDAY, APRIL 15

Rachel Kushner (fiction) & John Yau (poetry)

# WEDNESDAY, APRIL 29

(Chancellor Green Rotunda)

## (Chancellor Green Rotunda) Student Readings

TUESDAY, OCTOBER 21 Kevin Young delivers the Theodore H. Holmes '51 and Bernice Holmes Lecture (James M. Stewart '32 Theater)

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# On the Campus

continued from page 15

the targets successfully have steered Princeton away from the inflated grades seen at other universities. "Absent a numerical target, it will be hard to avoid an upward drift," he said. "I don't think we can give students high grades just to lower their stress level."

English professor Esther Schor has long opposed the policy's "one-targetfits-all" model. "Although these targets were not quotas per se, the dean's office clearly intended that department chairs implement them, not simply recommend them," she said in an email. "I feared in particular for junior faculty and graduate instructors, who were most likely to feel pressure (and be pressured) to grade according to targets rather than according to their own best judgment."

"I'll be happy to wave it goodbye," art and archaeology professor Jerome Silbergeld said of the policy. "If all my students deserve good grades, I should be the first one to know that, not somebody else establishing policy from beyond."

Professor Stanley Katz of the Woodrow Wilson School expressed mixed feelings about the committee's proposals. While he agreed that the 35 percent cap on A's was too rigid, he said that grade inflation is "educationally a bad thing" and that if the policy "is to be left to departments, I would describe that as an act of despair — in other words, I think it's giving up."

Many expect that grades will creep upward if the faculty votes to abandon the grading targets, although not everyone believes that's a problem. "I think in the current climate, where our peer institutions have grades that are so far above ours, it's fine if our grades rise a little bit," said Clarence Rowley '95, a professor of mechanical and aerospace engineering and chair of the ad hoc committee.

If grade inflation were to become a problem, Rowley said, it might be corrected by discussions between the dean of the college and department heads. "If it does start to get out of control," he said, "I think those conversations are a better way to rein things in than the numerical targets." • By Paula Wasley '97



**READ MORE:** The full report on grading at paw.princeton.edu



STUDENT DISPATCH

# 'Marathon Summer' at the eLab: **Preparing Startup Ideas for Launch**

Brian Geiger '16



Michael Pinsky '15 and Vaidhy Murti '15 first met freshman vear as they watched a Yankees game in Frist Campus Center. "We were the

only two people there, and so we started talking, we became friends, and now we're roommates who've co-founded a company together," Pinsky said.

The company is called Friendsy; with 10,000 users at seven colleges, Friendsy allows Web users to browse for potential friends and send relationship requests to their classmates. The application requires users to have an ".edu" email address — "the roots of what made Facebook successful," Pinsky said.

Pinsky, a psychology major, and Murti, a computer science major, led one of seven teams taking part in the Keller Center's eLab Summer Accelerator Program, a launch pad for student startups. "Each week was like another few miles in a marathon summer," Pinsky said of the 10-week program. Participants received housing, mentorship from industry leaders, and no-strings-attached funding.

Cornelia Huellstrunk, eLab's director, said that of the 20 student ventures in the program's three years, most are still in business. These include Duma, a Nairobi-based employment network, and Firestop, emergency-response software for firefighters.

Other ideas pursued by this year's teams: a prototype for a secure credit card, a fashion brand focused on ethical sourcing, motion-tracking technology, a nonprofit for solar-power distribution, American Sign Language-learning technology, and a nonprofit that connects critically ill children to musicians.

The climax of the 10 weeks came when students presented their ideas to venture capitalists and tech supporters in Princeton and New York. Afterward, Murti said, he and Pinsky received a call from panelist Sheryl WuDunn \*88, senior managing director at Mid-Market Securities and former New York Times journalist, who "grilled us a little bit more."

WuDunn said later that she was impressed with the student presentations, but cautioned that there is a "huge jump from having a great idea to finding a potential customer." For Friendsy, the challenge is to "scale up and get tens and tens of thousands" of users, she said.

Students didn't have to look far for inspiration. Presentations took place at the Manhattan headquarters of AppNexus, an online-advertising company co-founded by Brian O'Kelley '99; that same week, CEO O'Kelley's firm became the first New York ad-tech company with a billion-dollar valuation. •







RESHAPING THE CAMPUS

# As Buildings Rise, Another Is Gutted

Above, the University's \$330 million arts-and-transit complex began to take shape during the summer. Scheduled to open in November are the new Wawa convenience store, left foreground, and the new train station directly behind it. Extending along the two buildings is the Dinky platform. Beyond the station, foundation work has begun for a three-building complex for the Lewis Center for the Arts and the music department. McCarter Theatre is visible at top right.

Across campus, demolition work continued on the interior of the former Frick chemistry lab, at left. After extensive renovations expected to be completed in fall 2016, the building — renamed 20 Washington Road — will house the economics department and the University's international initiatives. • By W.R.O.

# **GARDEN THEATRE'S NEXT ACT**

Now showing at the **Princeton Garden** Theatre: Hollywood classics, indie and foreign films, first-run hits, and community events.

Renew Theaters, a nonprofit chosen by the University to run the Garden, began offering its eclectic programming at the historic Nassau Street movie house June 1. The University, which owns the property and last renovated the building in 2000-01, selected Renew after the previous

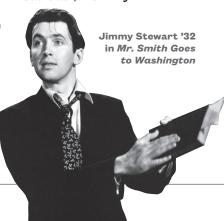
operator's lease expired.

The Garden's "blend of current, classic, and alternative programming" should appeal to both the campus community and the wider Princeton community, said Kristin Appelget, the University's director of community and regional affairs. Renew plans to work with Princeton faculty to develop programs of common interest, she said.

The two-screen theater, which opened in 1920, received new carpeting,

artwork, and lighting in its lobby during the summer. The auditoriums were cleaned, and seating upgrades are planned. In July and August, films starring Jimmy Stewart '32 figured prominently on "classics" nights.

Renew theaters are supported primarily through memberships. The Garden Theatre will offer basic annual memberships ranging from \$50 for individuals to \$75 for couples. Memberships are taxdeductible and come with reduced admission (\$6 versus \$10.50 for nonmember general-admission tickets). Sponsorship levels start at \$120. • By F.H.



From top: Beverly Schaefer; Frank Wojciechowski; Getty

# Off Tap

# University shelves plan for a campus pub, saying the right location couldn't be found

lans to bring back a campus pub have fizzled out. Discussed for years, the idea received a boost in May 2011 when a group appointed by President Shirley Tilghman to look at social and residential life endorsed the "widespread and strongly held view" in favor of reinstating a campus pub. The pub would be open to students, faculty, and staff and would model the responsible use of alcohol, the study group said. A subsequent committee recommended the pub be located in Café Viv in Frist Campus Center.

But the proposal is now off the table, according to University vice president and secretary Robert K. Durkee '69, who said there is no ideal location. The plan to use Café Viv as a home for the

pub would have continued its use as an organic-food venue during the day, and Durkee said it was "hard to see how it would achieve its goal when it would not look or feel like a pub."

Renovation cost estimates also were a factor. "The more it got discussed," Durkee said, "the more the reaction from everyone was: 'Are you sure that would help [fulfill the purpose of the pub]?' And the general sense was no."

The news was a disappointment for graduate students, who feel that there is no social hub for them on the central campus. "It would be a real shame to take that off the table," said Sean Edington, president of the Graduate Student Government. A pub would "vastly improve social options for grad students," he said. • By W.R.O.

# **IN SHORT**

**Professor IGOR KLEBANOV \*86** received the 2014 Tomassoni Prize for outstanding achievements in physics. The award cited his "central role in one of the most remarkable recent developments of theoretical physics: the duality between gravity and gauge quantum field theory."

YU YING-SHIH, professor emeritus of East Asian studies and history, is the first recipient of the Tang Prize in Sinology. The prize, which includes an award of more than \$1 million, recognizes originality of research and contributions to society. The Tang Foundation said Yu is "widely recognized as the greatest living historian of China."

PETER SCHÄFER, professor emeritus of Jewish studies, became director of Berlin's Jewish Museum Sept. 1. He succeeded W. Michael Blumenthal \*56, the museum's founding director.

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> - Dr. Steve Fabian, History and Global Studies Chair, Sophomore Grade Level Dean



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# Anschutz Distinguished Fellowship in American Studies 2015-2016



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A Fellow who elects to reside on campus will receive a salary of \$75,000, plus benefits. A Fellow who elects to commute from elsewhere will receive \$50,000, plus benefits.

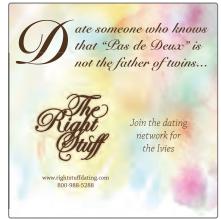
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# On the Campus

# Annual Giving: Another Record

Buoyed by the highest level of undergraduate alumni support in 45 years, the 2013-14 Annual Giving campaign brought in a record \$58.7 million. The University reported gifts from 37,464 undergraduate alumni, also a record, for a participation rate of 61.4 percent. For graduate alumni, the rate was 13.7 percent.

**Total raised** 

\$58,748,900

25th-reunion Class of 1989

\$9,013,889

Second-highest total for any class ever

50th-reunion Class of 1964

\$5,246,410

**Record-breaking classes** 

35th-reunion Class of 1979

\$4,737,679

30th-reunion Class of 1984

\$4,741,984

15th-reunion Class of 1999

\$1,202,999

5th-reunion Class of 2009

\$403,249

Graduate alumni

\$1,828,457

Princeton parents

\$3,001,033

Source: Office of Development

# **IN SHORT**

MANJUL BHARGAVA \*01, a professor at Princeton since 2003, last month received the Fields Medal, often described as the Nobel Prize of mathematics The International Mathematical Union cited his creativity and technical mastery and said he has had "a profound influence" on the field of number theory, the study of the properties of whole numbers. Barghava has won several teaching awards and leads a popular freshman seminar on "The Mathematics of Magic Tricks and Games." Among the other Fields winners this year is the award's first female recipient, Stanford professor Maryam Mirzakhani, who taught at Princeton from 2004 to 2010.

The University said it would not support student travel to Guinea, Liberia, or Sierra Leone because of the EBOLA OUTBREAK. A summer trip to Sierra Leone by the Princeton chapter of Engineers Without Borders was canceled, and some internships in that country were moved to other locations, according to Nancy Kanach, senior associate dean of the college.

As construction of the University's ARTS CENTER and transit hub continues (see page 18), opponents lost rounds in July in their attempts to halt the project. Challenges to local zoning approvals and to the removal of a portion of the Dinky track were unsuccessful.



IN MEMORIAM Art and archaeology professor emeritus SAMUEL HUNTER, who had a distinguished career in the museum world before joining the

faculty in 1969, died July 27 in Princeton. He was 91. A scholar of modern and contemporary art, Hunter built Brandeis University's art collection, was an associate curator at the Museum of Modern Art in New York, and served as a New York Times art critic and arts editor. He also was faculty curator for modern art at the Princeton University Art Museum. The author of more than 50 books, including Modern Art: Painting, Sculpture, Architecture, he retired in 1991.



IN MEMORIAM

HAROLD KUHN \*50,

professor emeritus

of mathematical

economics and a

member of the

team that advanced

game theory in the 1950s and '60s, died July 2 in New York City. He was 88. After joining the faculty, Kuhn collaborated on the emerging fields of nonlinear optimization and game theory. In 1951, with Professor Albert Tucker \*32, Kuhn described the Karush-Kuhn-Tucker conditions for nonlinear programming, now a staple of economics. In the late 1960s, Kuhn wrote a document that became the basis for "Rights, Rules, Responsibilities," the still-evolving guide on conduct applicable to the entire University community.









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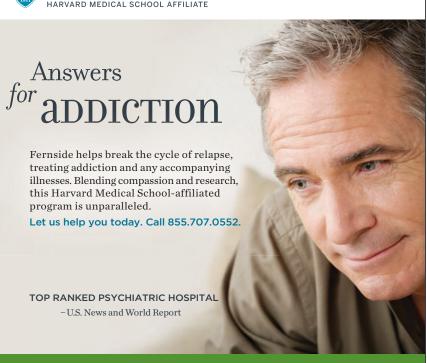
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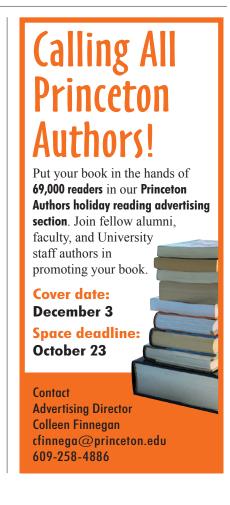




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# On the Campus

# **New Faculty**

Four full professors are joining the Princeton faculty, including Pulitzer Prize-winning author **Jhumpa Lahiri**, who will become a member of the creative writing program in July 2015. The others, who begin teaching this fall, are:

Judith Hamera, the program in dance, from Texas A&M University, where she has been a professor since 2005. She previously taught at California State University-Los Angeles. Hamera's research focus is performance studies, and she is the author of three books and co-editor of a volume in the field. The Lewis Center for the Arts said her hiring signals a deepened commitment to dance studies by adding faculty with expertise in the history, theory, and criticism of dance.

Ilyana Kuziemko, economics, from Columbia University. Kuziemko was an assistant professor at Princeton from 2007 to 2012 and took leave to serve as deputy assistant treasury secretary in 2009–10. A research fellow of the National Bureau of Economic Research, Kuziemko studies public, labor, and health economics, including redistribution of wealth, risk and health-care costs, and demand for health insurance.

Assaf Naor, mathematics, from New York University, where he has taught since 2006. He previously worked at Microsoft Research.

Naor's research focuses on analysis, probability, and quantitative geometry and their applications to combinatorics, mathematical physics, and theoretical computer science. He won the Blavatnik Award of the New York Academy of Sciences for young scientists in 2012 and the Bôcher Memorial Prize for an outstanding paper in analysis in 2011.

**Lahiri** is a writer in residence at John Cabot University in Rome; she has held the same position at Vassar College and Baruch College. Her 1999 collection of short stories, *Interpreter of Maladies*, won the Pulitzer Prize, and her 2013 novel *The Lowland* was a National Book Award finalist.

About 40 assistant professors also are joining the faculty. ♦

FOOTBALL

# The Mighty Quinn

# Epperly'15's versatility, decision-making drive an extraordinary offense

ast year, quarterback Quinn Epperly '15's statistics were nothing short of eye-popping. En route to being named the Ivy League Offensive Player of the Year, he tied a program record with 25 passing touchdowns and nearly matched another with 18 rushing scores. A deeper look at the 2013 season shows those stats did not lie — Epperly truly was the key to Princeton's offensive prowess.

Only one team in the Football Championship Subdivision (FCS) averaged more points per game in 2013 than the Tigers' 43.7; even after adjusting for the fast pace of its no-huddle offense (which leads to more possessions for each team), Princeton was

ranked highly in yards per play, the Tigers were just slightly above average in that category. Instead, their offense was exceptional because it excelled at avoiding turnovers and scoring when it reached the red zone, the final 20 yards before the goal line. Epperly was crucial in

11th in points per

drive. But while every

other top-scoring team also

both of those categories. Epperly solidified his reputation as an accurate thrower when he completed an NCAArecord 29 consecutive passes against Cornell last November. By that point, the southpaw was deep into a nearly mistake-free season: Only three of his 306 attempts were intercepted,

was as secure in Epperly's hands as it was in the air; Princeton's leading rusher lost just one fumble all year.) The Tigers committed the nation's fourth-fewest turnovers per play, allowing them to

rate among FCS quarterbacks. (The ball

sustain long drives.

Of course, long drives don't always lead to points. In 2011, when Epperly was a sparingly used rookie, the Tigers learned that lesson the hard way. They converted just one-third of their redzone possessions into touchdowns, tied for worst in the nation. But Princeton was almost automatic in the final fifth of the field last season, scoring a touchdown 76 percent of the time — eighth-best nationally and a big factor in its two-year rise from 1-9 to 8-2.

Not coincidentally, that was where Princeton relied most heavily on Epperly, a prototypical goal-line quarterback with the size to power through linemen and the touch to throw into tight spaces. Inside the red zone, 64 percent of the Tigers' plays involved him as a passer or rusher — compared to 43 percent in all other situations — and 81 percent of their red-zone touchdowns were thrown or scored by Epperly.

With much of last year's core returning, Princeton's strategy will likely be familiar — move the chains and avoid mistakes. If Epperly repeats his passing consistency and red-zone efficiency as a senior, the Tigers' offense again should be one of the nation's best. • By Kevin Whitaker '13

> **Drive finisher:** Quinn Epperly '15 rushed or passed on ...

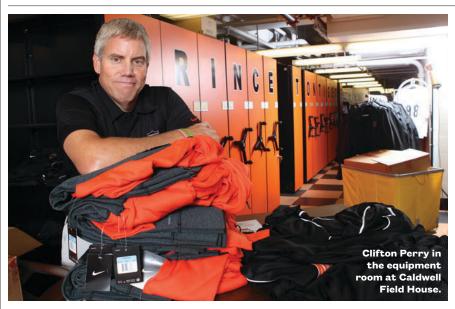
of touchdowns inside the red zone

of plays inside the red zone

of plays outside the red zone

**READ MORE** about about the 2014 Tigers and view the football schedule at paw.princeton.edu

the lowest



# **Dressed for Success: A Nod to the Staffers Who Give Tigers Their Stripes**

Brett Tomlinson



"You might have noticed last year that we had a lot of guys with shoulder pads popping out of their jerseys," Clifton

Perry, the University's head equipment manager, told me during a visit to Caldwell Field House last month.

I hadn't noticed, or at least it didn't seem unusual. But for Perry, this was a problem that needed attention.

The football team's distinctive jerseys, featuring four stripes on each sleeve, included a mesh-fabric V-neck, and in hand-to-hand scuffles at the line of scrimmage, the opening often stretched enough to let the top shoulder pad flip through. Perry would have preferred a tighter jersey with contoured sleeves, but those sleeves only had room for two stripes. So this year, he got creative, designing a two-stripe jersey, to keep the pads in place, and a striped undershirt that extends below the jersey's sleeve, to preserve the style that the Tigers have worn since the 1890s. The team will debut the new look in its home opener against Davidson Sept. 27.

The width of a jersey's neck and the difference between two stripes and four might seem like minor details, but they

matter in Perry's world, the underground network of locker rooms and tunnels where he and his staff furnish uniforms and practice gear for more than 1,000 Tiger athletes and coaches. Nestled among neatly stacked orange shoeboxes and industrial-sized washers and dryers, Perry manages orders for each team and signs for a seemingly endless stream of deliveries. (The local UPS driver has Perry's cell number programmed into his phone.) Princeton has a contract with Nike to supply most of its athletic gear, which arrives blank — no logos, except for the ubiquitous swoosh — and is shipped out for customization by printing and embroidery companies.

For Perry, who took over for longtime equipment manager Hank Towns in 2004, working in the equipment room was a chance to return to college sports. He'd been a walk-on athlete and manager at Division-III Roanoke College, and after graduation, he was a high-school teacher and coach for 11 years.

At Roanoke, Perry had dreamed about coaching college athletes. "I don't know whether or not I wanted to do their laundry," he jokes. But there is stability in the equipment room, he says, and an uncommon opportunity: to help athletes be successful and look good, too. •

# **SPORTS SHORTS**

For a second straight summer. MEN'S **BASKETBALL** standout Hans Brase '16 traveled to play for the German national program. Brase, whose parents are German, competed with the country's "A2" squad (one step below the national team) in exhibition games in Romania and China.

Brase was the only U.S. collegian on a roster of European pros, and Princeton basketball's reputation preceded him, at least in the eyes of coach Henrik Rödl, who won an NCAA title as a player at the University of North Carolina. "Whenever I would go backdoor on someone, he would look over and laugh," Brase said.



# **WOMEN'S WATER POLO**

goalie Ashleigh Johnson '16 helped the United States win gold at the FINA World Cup in Khanty-Mansiysk, Russia, Aug. 12-17. Johnson made 11 saves in the Americans' 11-4 semifinal win over China and was named the top goalkeeper in the tournament.

Princeton selected Erika DeSanty to be the new WOMEN'S GOLF coach. DeSanty, an LPGA teaching pro and former college basketball player, guided Williams College to a thirdplace finish at the NCAA **Division III Women's Golf** Championships in May.

left: Beverly Schaefer; Frank Counterclockwise from top

# Life of the Mind

**NUCLEAR SCIENCE** 

# Trust But Verify

# A technique to authenticate warheads could improve nuclear disarmament

nspecting nuclear weapons that are slated to be dismantled poses a tricky challenge: How does a country present proof to inspectors that the weapons are real warheads without divulging classified design details of those weapons? Princeton researchers are developing a protocol for a system that would verify the presence of warheads while keeping crucial information secret.

The protocol — developed by professor of mechanical and aerospace engineering and international affairs Alexander Glaser, astrophysics professor Robert Goldston, and former Princeton computer science professor Boaz Barak — could provide a key step toward further reduction of nuclear arms.

Past nuclear-arms negotiations have focused on the reduction of strategic-or long-range delivery systems, such as bombers, submarines, and ballistic missiles, since inspectors easily can count the number of warheads present in those systems. But negotiations have not yet addressed the issue of verifying warheads, according to Glaser, in part because verification might expose classified information.

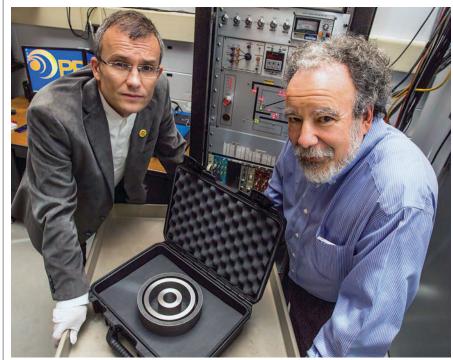
The project had its genesis at a faculty lunch where Glaser, who had been considering how inspections might keep warhead designs concealed, met Princeton computer scientist David Dobkin. Dobkin introduced Glaser to the concept of zero-knowledge proofs. Used in cryptography, such proofs answer questions about an object with a high level of confidence without revealing any other information about the object.

For the "zero-knowledge protocol"

the scientists developed, high-energy neutrons would be beamed through a host warhead and a reference warhead in side-by-side tests, and the neutron outputs for each would be recorded. The host would pre-load neutron counts into all the detectors beforehand, essentially a "negative" of the neutron spectrum expected from a warhead beamed with high-energy neutrons. Immediately before the test, the inspector would randomly choose which detector to pair with the reference warhead and which to pair with the host warhead — to prevent the host from cheating by preloading different counts.

If the test warhead was real, both the reference warhead and the test would produce roughly the same total neutron count. The inspector would see only total-count results for the two warheads. Repeated tests, with inspectors choosing the detectors, would bolster confidence in the results. The scientists' findings were reported in *Nature* in June.

A project to test this approach is under construction at the Princeton Plasma Physics Lab. "There are certain real-world effects that we have to make sure we understand and can control so that they ultimately don't affect the test," Glaser says. His team will build detectors and conduct trials over the next five years with funding from the Department of Energy and others. Says Glaser, "We hope to trigger a paradigm shift in thinking about how to verify nuclear disarmament, and show that it is much more feasible than often assumed." • By Nora Taranto '13



Alexander Glaser, left, and Robert Goldston with a stand-in for a warhead that will be used to test their system for verifying the presence of nuclear warheads.



# **Understanding Islam**

# Michael Cook examines the political role of the faith founded by Muhammad

hy does Islam seem to play a larger role in contemporary politics than other religions? One reason, according to Near Eastern studies professor Michael Cook, is that its founder, Muhammad, created not just a religion, but a state. "Islam, in its beginnings, is a fusion of religion and politics," Cook says.

Cook is a leading expert on the history and religious thought of Islam. Last spring he received the \$765,000 Holberg Prize, an international academic award, for his work on Islamic history. His most recent book, Ancient Religions, Modern Politics, examines Islam,

Christianity, and Hinduism, and how their theology and history determine their roles in modern political life.

Muhammad regularly faced political choices, which are described in the early Muslim accounts of his life. During one military expedition, he debated whether to kill a tribal chief who secretly was working against him. He ultimately decided to let the chief live because "people would say he was killing his own companions," according to one translation. In modern times, some have invoked the phrase in political situations that carry the risk of alienating fellow Muslims or potential converts, Cook

points out. Al-Qaida leader Ayman al-Zawahiri alluded to the saying in a letter to a fellow leader to criticize his overzealous killing of Shiites, according to Cook, and moderate Islamists have invoked it to criticize jihadi violence.

Cook examines why many traditional aspects of Islam — such as the separation of men and women — persist so strongly from pre-modern times. One reason, he says, is the way Islam initially was spread: through conquest. This meant it did not have to adapt so much to more dominant political systems and cultures around it. At its height, the Islamic empire was enormously powerful, stretching from present-day Portugal to Pakistan. "This naturally engenders a tremendous sense of pride in the heritage," Cook says.

By contrast, Christians spent 300 years as a persecuted minority, and had the Roman Empire to contend with. "Christianity came to terms with the political order of the world in a way that Islam did not need to do," Cook says.

Muslim identity is so strong that sometimes it trumps national identity. Cook cites a 2005 Pew survey that found that in five out of six mainly Muslim countries, a majority of the citizens identified as Muslims first and as citizens of their country second. In contrast, most European Christians thought of themselves first in terms of their national identify.

Is there also something about Islam that makes it appealing to fundamentalists? Cook says yes. "The Islamic heritage lends itself so easily to fundamentalism that it could almost be said to invite it," he writes. The reasons include some surprising factors, such as the style of *jihad* used during the early days of Islam - much of the fighting was carried out by nonprofessionals operating in small groups, similar to present-day jihadis in tribal societies like Afghanistan.

Some religions shift their emphasis, Cook points out, as people reinterpret or ignore certain elements. While he thinks the chances are low that Islam will change in a way that diminishes its political profile any time soon, he does believe it's possible, he says: "Over time, people tend to tire of the politicization of religion." . By Eveline Chao '02

# Speak Up! Women Lack Confidence in Debates

American women have made huge strides toward gender equality in the political arena since winning the vote in 1920. But according to politics professor Tali Mendelberg, they continue to lag behind men in the confidence with which they participate in political discussions. They speak up at only two-thirds the rate of men, and they do so with less authority, according to her studies.

In *The Silent Sex: Gender, Deliberation, and Institutions*, written with Christopher Karpowitz \*06, Mendelberg examines the conditions that promote women's participation in policy discussions and the conditions that discourage it. The pair looked at numerous studies of how groups such as juries, school boards, and legislatures deliberate, and ran a controlled experiment with 470 subjects in Princeton and in Provo, Utah, where Karpowitz teaches at Brigham Young University. The participants, in groups of five, discussed a hot-button issue, and researchers

classified every interruption as either positive or negative.

"We were able to pinpoint who was cutting off women," Mendelberg says. "It was almost always men."

Mendelberg says that was not surprising, and is partly due to women's aversion to conflict. They tend to seek compromise and consensus, not "winning," she says. But an even more significant factor, she points out, is their lack of confidence in the political arena. "There's a strong legacy that continues of social expectation for women not to be wielders of power," she says. That's true even when their education and experience make them more qualified than men.

But increasing the percentage of women in a group won't necessarily improve the



In legislatures and school boards, there is a "social expectation for women not to be wielders of power," says Mendelberg.

dynamic, Mendelberg says. A crucial factor is which "decision rule" the group is using. According to the researchers, women in a group *can* increase their rate of participation, but only when the group makes decisions by majority rule. In groups employing unanimous rule, women had a lower rate of participation as their numbers increased. "Men step up their participation," says Mendelberg. "We did not expect to find that."

What gets lost when women are silent? The groups studied in the research — who discussed how generous a society's social-safety net should be — were less likely to consider education, health care, and children's welfare, says Mendelberg: "They are less likely to advocate for a generous policy toward those who are vulnerable." 

\*\*By Merrell Noden '78\*

Young alumni: Will you seize the day now, or in 30 years when you retire? Research suggests it would be better to consume more now. A paper published in the Journal of Mathematical Economics in March, co-authored by economics professor Marc Fleurbaey, quantified early death in terms of **ECONOMIC** LOSS, and observed that inequalities between those who live a long life and those who die prematurely would be reduced if everyone spent a little more earlier in life.



Good luck — not good policies alone — might be the force behind some

Statistics show the U.S. economy has grown faster under Democratic presidents, but research by professors Alan Blinder '67 and Mark Watson suggests that factors associated with luck explain about half of this performance gap. Their working paper, released in July, shows that fiscal and monetary policies don't explain the Democrats' edge. Factors such as oil prices and international economic performance seem to play a big role. By Katharine Boyer '16

# Why Jennifer Weiner '91 has taken on the writing establishment

BY JENNIFER ALTMANN

# Literature's Glass Ceiling

AS A PRINCETON UNDERGRADUATE, novelist Jennifer Weiner '91 spent many hours leading picket lines, holding vigils, and chanting "2-4-6-8, why won't you co-educate?" to pressure the last two all-male eating clubs to admit women. The student group she helped found brought in alumni to picket the clubs, solicited professors to wear pins championing the cause, and held a rally that drew 500 people. "We wanted to get current students to believe this was the right thing to donot that a court was going to force it, but that they themselves were going to decide the right thing to do was to open the doors to all Princeton students," Weiner recalls. She was a member of the sign-in club Terrace for one semester, but the fight, she says, wasn't on her own behalf: "It wasn't that I wanted to be in Tiger Inn or Ivy. It's that I wanted them to be fair." Finally, in February of her senior year, she could celebrate, though it did require the involvement of a court: Ending an 11-year battle initiated by Sally Frank '80, Tiger Inn became co-ed. Ivy had accepted women a few months before.

These days, Weiner (pronounced WHY-ner) has taken on another battle, and once again it is on behalf of women. The best-selling novelist, who has been called "the queen of chick lit," wants the books that she writes — and the many others dubbed "women's fiction" - not to be dismissed or pigeonholed with such labels. In the last several years, she repeatedly has criticized book reviewers for ignoring great swaths of women's writing and rallied her 95,000 Twitter followers by pointing out what she sees as sexism in book coverage and disdain for popular entertainment. So this summa cum laude English major mixes critiques of The New York Times Book Review with live-tweeting about the lowbrow TV show The Bachelor, both delivered with her sharp wit. ("Clare wants a man she can laugh with," she tweeted this summer about the Bachelor spinoff Bachelor in Paradise. "I, personally, enjoy a man I can laugh at.")

Why is this successful author — whose books have spent a total of more than 250 weeks on the *Times* best-seller list —

getting involved? It's the same reason she fought for women's admission to Princeton's eating clubs all those years ago: "There's a through line," she says. "If you see something that's not fair, if you see discrimination, if you see people being shut out, you speak up. And you do something about it."

the struggles of contemporary family life — a difficult sister, a cheating spouse, infertility, the stresses of motherhood — who overcome these hurdles to find their happy ending. They are "real-life fairy tales," Weiner says, each infused with the author's laugh-out-loud observations. She draws on personal experiences — an unhappy childhood, an absent father, a struggle with weight — but mines them for comedy.

Weiner already was getting recognition for her writing at Princeton. She won an award for her poetry and studied fiction with Toni Morrison, who, after reading Weiner's work, said to her, "There's a lot of sex in these stories; have you had any?" It was John McPhee '53 who gave her the most valuable advice, suggesting she get a job at a small newspaper. At *The Centre Daily Times* in State College, Pa., and at later newspaper jobs, she picked up skills that she says have proved essential to her fiction — paying attention to detail, listening closely to how people talk, and, most importantly, understanding that being a writer is not about waiting for inspiration, but "just the ability to put your butt in the chair and do the work."

In 1998, Weiner was a feature writer at *The Philadelphia Inquirer* when she began writing a semiautobiographical novel about Cannie, a full-figured newspaper reporter whose ex-boyfriend pens a column about "loving a larger woman." Cannie is in for another shock when she learns her mother is dating a woman. (This is another detail Weiner borrowed from her own life.) Weiner sent the novel to 25 agents and got one nibble from an agent who wanted changes to the manuscript. "She didn't want Cannie being genuinely plus-size," Weiner recalls, but more like "a size eight." Though Weiner was just 29,



she stuck to her guns, found another agent, and sold the book to Simon & Schuster for a six-figure advance, she says. Good in Bed was an immediate hit. Today, more than 1.6 million copies are in print.

Over the next 13 years, Weiner published 10 more books all of them best-sellers, and most casting larger women as the protagonists. "I wanted plus-size women to be the heroes, not the goofy sidekicks," she has said. Her heroines "get the guy, the funny lines, the great clothes, the happy endings, without magically losing weight." As the mother of girls who are 6 and 11, she feels a particular responsibility to create characters who accept their bodies, she says. "In so many books, including the ones I read when I was growing up, the big girl was the punch line, or she would get Prince Charming and everything that came with it only after she lost a lot of weight," she told USA Today. "My books are always going to have at least one fullerfigured character who's not agonizing, who's not obsessing, who's not miserable, who's just living a really happy life at whatever size she is."

She also has written about her own struggles with weight. In Allure magazine she recalled traveling on a teen tour with five girls named Jennifer and being called "the fat Jennifer," and hearing from the Princeton crew coach that she needed to lose weight (she was on the team for a year). "I've made as much peace as a plus-size woman can make with her body," she wrote. But despite all her achievements, "when the world sees me, they don't see any of [that]. They see fat."

Her latest novel, All Fall Down, which came out in June, shot to No. 3 on the *Times* best-seller list. The novel is about a suburban mom who seems to have it all — the big house, the picture-perfect family, the successful writing career — but secretly is popping Vicodin and other prescription painkillers to cope with the stresses of modern life. When her escalating drug use causes her to put her daughter at risk, she ends up in rehab. The storyline was inspired in part by Weiner's father, a psychiatrist who left the family when Weiner was 15, telling her and her three younger siblings that they should think of him as "less like a father, more like an uncle," a line she later used in Good in Bed. She mostly fell out of touch with him after her parents divorced, though she says he turned up at a reading after she became well known and asked her for money. When he died six years ago, Weiner learned he had been addicted to heroin and cocaine and had died of an overdose.

"I would not have guessed drugs in a million, million years," Weiner says. "Because you just don't think about crack and a psychiatrist who lives in a fancy suburb in Connecticut in a house with a swimming pool." She wanted to explore the life of a high-functioning addict, a theme in the news with the deaths of celebrities such as actor Philip Seymour Hoffman.

Her early embrace of blogging and, later, social media, has forged a strong bond between the author and her readers. At a sold-out luncheon in June organized by the Princeton Public Library to celebrate the release of All Fall Down, Weiner went from table to table before her talk, posing for photos and chatting about her daughters, with whom she lives in an expansive two-story brick house in Philadelphia that used to be a small school. (She and her husband split up in 2010.) Her talk to the all-female crowd veered between stand-up comedy and support-group pep talk and proceeded to touch on her

daughter's reaching puberty, her relationship with food, her family history of mental illness, and Nathaniel Hawthorne, with only a few references to her new novel.

"For a crowd of this size, we usually allow 30 minutes for the book-signing, but for Jennifer it's an hour," says Janie Hermann, who directs public programming for the library. "People picture her as their best friend." Weiner personalized each book and dispensed hugs. On Twitter, she has asked her fans to suggest names for the characters in her novels and offered to advise one woman about Philadelphia schools for her children.

Weiner's celebrity has gotten her invitations to appear on NBC's The Today Show and other TV programs, an enviable opportunity for a novelist. She also created a TV show, State of Georgia, on ABC Family, which was canceled after one season. Her second novel, In Her Shoes, was made into a movie starring Toni Collette and Cameron Diaz. She trumpets the work of longtime favorite authors Susan Isaacs and Anne Tyler, who also write character-driven novels that are funny and poignant, and uses her fame to plug not just her own books, but those of up-and-coming female writers. And she gets results. In 2010, for example, she offered to send a free autographed copy of one of her books to anyone who bought Sarah Pekkanen's first novel. That day, Pekkanen's book, The Opposite of Me, made the top-10 best-seller list on Amazon, Weiner says. Weiner enjoys using her success "to help others up the ladder," she says. "When I have something to say, people listen."

ecently, they've been listening to her complaints about the way books by women are treated. The drumbeat began in 2010, when Jodi Picoult '87, in a tweet about a Times review of Jonathan Franzen's new novel, wrote, "Would love to see the NYT rave about authors who aren't white male literary darlings." Weiner chimed in with the term "Franzenfreude" to describe what other writers felt about the media's worship of Franzen, whose novel, Freedom, would have been treated differently had it been written by "Jane Franzen," according to Weiner. "When a man writes about family and feelings, it's literature with a capital L, but when a woman considers the same topics, it's romance or a beach book," she said at the time. Weiner pointed out that none of her books had been reviewed by the Times.

A debate was ignited about how gender affects the way books are marketed and reviewed. Weiner critiqued publishers for positioning certain novels as serious literature — a non-smiling author photo and a text-heavy cover tend to do the trick, she says — while illustrating the covers of many women's novels with

**66** Women authors, much more than men, are put in the explicit position of having to decide, 'Do I

want respect and reviews, or do I want readers?' >>

pastel colors and female figures. Crime fiction and mysteries with a strong male readership — regularly get reviewed, while so-called chick lit and romance novels get far less attention. Though a majority of the people who read books are female, VIDA, an organization that monitors women in the literary arts, found that in several top publications, about 75 percent of the books reviewed were written by men. (No gender breakdown of the authors of the 300,000 books published annually in the United States is available.)

The cover art on Weiner's books puts them squarely in the "women's novel" category, with plenty of pastel colors and images of women, children, and flowers. Though Weiner may prefer other images, "you are selling a product in the marketplace, and ultimately you have to accept that," she says. But it frustrates her that marketing to a female readership turns off male readers: "The bargain that you're making is that no man will ever [read it] — well, maybe he'll read it on an e-reader where nobody can see his shame."

Weiner points out that women's books also get labeled in ways that men's books don't: "There are novels, and then there are 'women's novels.' There's no male equivalent for chick lit." Weiner doesn't shirk the often maligned chick-lit label, which generally signals a breezy read about a youngish woman's travails. "I see my books as entertaining," she says. "I don't think they're schlock, I don't think they're embarrassing. I want people to enjoy reading my books, to not feel like they're pushing a heavy dictionary up the hill." But there is disdain among critics, she says, for books that are entertaining and popular with readers, which is why many books that make the Times best-seller list are not reviewed in the Times. "Women authors, much more than men, are put in the explicit position of having to decide, 'Do I want respect and reviews, or do I want readers?" Weiner said in May at a publishing event. She has criticized several authors whom she perceived as disparaging women's fiction, including some respected and reviewed — female authors: She took issue when Adelle Waldman put down "unserious" books and when Claire Messud dismissed the notion of reading to "find friends." So "if you're reading to find friends, then you're doing it wrong?" asks Weiner. "Well, I didn't know there was a rule book." The relatable protagonists in her books, says Weiner, may just help some of her readers "feel a little less alone."

Weiner has been mocked in some quarters — The Nation called her one of "the most aggrieved" best-selling novelists on the planet, while a headline on The Wire said, "Jennifer Weiner Is Mad at The New York Times Book Review Again." Some have said she was using the crusade as a tool for self-promotion. Not so, says her agent, Joanna Pulcini: "This is Jen seeing an underdog and saying, 'I want to support them.'" Others questioned why a best-selling author like Weiner - with 15 million copies of her books in print in 36 countries — would even care about getting reviewed in the Times. (During the Franzen flap, she joked about going "to weep into my royalty checks.") But as a lifelong Times reader, she seemed to crave one newspaper's respect most of all.

Finally, on June 22, it came — a 201-word *Times* review that called All Fall Down "compulsively readable ... There's no doubt she knows how to deliver a certain kind of story, and well." The review was published about a year after Pamela Paul



Weiner, third from left, protests Tiger Inn's male-only membership policy in October 1990.

was appointed editor of the book-review section and began to broaden the selection of books covered. Weiner was thrilled, and not only for herself. The Times reviewed All Fall Down in its new "Shortlist" feature with four other women's novels, two of which were debuts — providing, Weiner points out, a significant boost to two little-known writers.

Weiner responded to the changes at the *Times* (before her review appeared) with an apology of sorts in Salon headlined, "I'm glad the NYT is finally covering commercial fiction, and sorry if I went too far." She wrote: "Everyone wants to believe he or she is the hero of his or her own story. I'm no exception. I never thought I was being obnoxious or pushy or shrill — just determined, and fighting for something that mattered. For every complaint about the Times, I tried to tweet or blog about a book that I loved, preferably one the Times was ignoring. Were there things I could have said more thoughtfully? ... Yes. Were there times I went for the joke instead of the truth, or forgot that there are real people behind the monolith I perceive as the Great and Mighty *Times*, or conflated the fight for inclusion with the fight against disrespect for books like mine, or me, personally? No doubt."

Now that her work has been anointed, after a fashion, by the Times, will it get more respect? Will people be reading Jennifer Weiner novels 50 years from now? She has some thoughts about that, too. Many Pulitzer Prize-winning books are forgotten today, she points out, and some authors who were the popular writers of their day — notably Jane Austen and Charles Dickens — now are considered literary giants. But what she wants, she says, is "to write for my readers. And if the books end up mattering in some profound and lasting way, that's fantastic. But I'm also planning on being dead, so I'm not really going to know what the final judgment was." •

Jennifer Altmann is an associate editor at PAW. Additional research was provided by Katharine Boyer '16.



took on more than medicine

By Katherine Hobson '94

WATCHING HERMAN TAYLOR JR. '76 during the 15 years he spent in Mississippi, it would have been reasonable to conclude that he was running for office. He has ridden in the back of a pickup truck during a parade, given radio interviews, and participated with community leaders in a threepoint halftime shootout at a college basketball game. Strangers scrutinize his menu selections. At a lunch on the campus of Jackson State University in May, Taylor is a magnet, repeatedly interrupted by people hoping to catch up on his news.

While he is something of a local celebrity, Taylor is no political candidate — he's a cardiologist. Since 1998, he headed the Jackson Heart Study (JHS), the most ambitious investigation ever to be done into heart disease among African-Americans, and a project entwined deeply with the community.

The pickup truck, radio interviews, and basketball game? All were tools for recruiting patients to participate in the heart study. As for lunch, Taylor chooses salad, redfish with shrimp sauce, and a Coke. "Oh, people watch what you pick," he says.

That lunch was among the last that Taylor was to have in Jackson, as he moved in July to the Morehouse School of Medicine in Atlanta. There, as the heart study continues in Mississippi, Taylor hopes to build on the study's findings - a mountain of data that he characterizes as "a treasure trove of unusual depth and breadth."

Those data, which Taylor says have only begun to be analyzed, already have helped to provide insights into the disproportionate burden from heart and vascular disease borne by African-Americans.

While the overall U.S. death rate from heart disease has declined since the late 1960s because of better prevention, diagnosis, and treatment, "there are still pockets of communities that haven't enjoyed the fruits of all that biomedical research," says Gary Gibbons '78, director of the National Heart, Lung, and Blood Institute, which is part of the National Institutes of Health and funds the heart study.

African-Americans get heart disease earlier and have worse outcomes. In 2010, blacks were 30 percent more likely to die from heart disease than non-Hispanic whites, according to the U.S. Centers for Disease Control and Prevention. Some of the reasons for the disparities are known, but many are not. The JHS was created to ferret out those crucial factors, from genetic variations that are more common among African-Americans to lifestyle habits like diet and exercise to racial discrimination and socioeconomic factors that may affect health. Moreover, taking a hard look at a high-risk population could lead to answers to nagging questions about heart disease that are broadly applicable.

aylor was drawn to Jackson by a 1998 phone call from Dan Jones, a physician at the University of Mississippi Medical Center (UMMC) and the principal investigator of the nascent study (and now the chancellor of the University of Mississippi), asking if he'd be interested in heading up the JHS. Taylor, who was working at the University of Alabama in his hometown of Birmingham, was initially reluctant. "I had a great job, I was home, I had a great situation," he says. But Jones was persuasive about



Recruiters reached out to community leaders, to ministers, to barbershops, and to professional medical organizations to draw participants from places like metro Jackson and rural Sharon, population **1,406.** Taylor was pictured in Jackson's local paper alongside the city's first African-**American mayor** as the mayor underwent an echocardiogram.

the potential of the study to help understand the racial disparities in heart disease. A working group convened by the NHLBI noted in a 1995 report that attempts to explain the difference between coronary heart-disease prevalence and outcomes in blacks and whites were hampered by "the scarcity of comprehensive data" on the disease among blacks. And now the NIH was willing to fund a major effort to gather that data — a multi-year tracking of a sampling of Mississippi's African-American residents that would gather information on a variety of risk factors and would follow their health status over many years.

The medical center and two of Mississippi's historically black educational institutions, Jackson State University and Tougaloo College, a private liberal-arts college, would come together to work on the study and also to engage black high school and college students in public health and epidemiology by exposing them to fields in science and technology and research opportunities. That would serve twin goals of "advancing the science as well as the diversity of the scientific workforce," says Gibbons.

The paragon of this kind of long-term, epidemiological research is the Framingham Heart Study, which started in 1948 with 5,209 participants and since has expanded to include their children and grandchildren. When the study began, Framingham, a small town outside Boston, was populated mostly by people of Italian, Irish, and English descent, with very few African-Americans. (The study started recruiting more ethnically diverse participants in 1994, reflecting the demographic changes in the community.) That study yielded crucial findings about the risk factors for cardiovascular disease — such as research showing that high levels of HDL cholesterol, now known as "good" cholesterol, are beneficial — but no one had taken a similarly in-depth look at the demographic group — African-Americans — that suffered so disproportionately from heart problems.

Mississippi, which has the highest percentage of African-Americans of any state, at 37 percent, was a natural laboratory for such a study. It ranks second-worst in the United States for three key risk factors for heart disease: obesity, diabetes, and high blood pressure. In 2012, almost 35 percent of adults in Mississippi were obese (behind Louisiana), and 12.5 percent had Type 2 diabetes (behind West Virginia). According to 2011 data, 39 percent had high blood pressure (behind Alabama). There are some glimmers of hope in recent data on child obesity in the state, Taylor says. Still, culturally, the South lags in healthful lifestyle measures: "We can take broccoli and turn it into a cardiovascular risk factor," says Taylor ruefully.

ackson, the state capital, brought unique advantages to the study. It already was one of the sites in another epidemiological study looking at the risk of atherosclerosis, or hardening of the arteries, and those participants would provide a starting point for the new research. In addition, says Taylor, the three counties involved in the study — Hinds, Rankin, and Madison — are socioeconomically diverse, and the study would attempt to get a representative sample of the Jackson metro area's African-American population. (In that goal, the study got very close, says Taylor.) That would help disentangle the impact of race in participants' health from the impact of income, education level, and access to health care.

Taylor knew he would have to mount a major community-outreach effort to recruit and retain participants. Scientific studies requiring time-consuming exams and intrusive questions generally are tough to recruit for. But there's an additional layer of skepticism among many in the African-American community about governmentsponsored medical research. One major reason for that suspicion: the 40-year Tuskegee syphilis experiment, which observed but did not treat the disease in black men — even after penicillin was a known cure. (Then-President Bill Clinton formally apologized for the experiment, which began in 1932, on behalf of the United States in 1997.)

A 1990 survey administered to more than 1,000 African-American churchgoers by the Southern Christian Leadership Conference found that 35 percent of respondents believed AIDS was a form of genocide against blacks. And community surveys in Jackson, done ahead of the recruiting effort, found that residents there had questions, too. "There was some hesitancy about why and what researchers are looking for, and what they are going to do with the information and specimens," says Donna Antoine-LaVigne, principal investigator of the JHS Community Outreach Center.

So study organizers knew they'd have to explain the benefits of their research to prospective participants, and also to involve them in important decisions in a very real, not cosmetic, way. Recruiters and interviewers were drawn from the African-American community — they were not outsiders. Recruiters reached out to community leaders, to ministers, to barbershops, and to professional medical organizations to draw participants from places like metro Jackson and rural Sharon, population 1,406. Taylor was pictured in The Clarion-Ledger, Jackson's local paper, alongside the city's first African-American mayor as the mayor underwent an echocardiogram. Antoine-LaVigne remembers how Taylor showed up when study organizers held holiday celebrations for participants, attempting to maintain their participation.

Before the study began, there was an effort to inform the community about the health disparities it was trying to decipher. One print ad, featuring an

older African-American couple, says, "Don't Let the Photo Album Be the Only Thing You Leave Your Children." It continues: "African-Americans have higher rates of high blood pressure, heart disease, stroke, and kidney failure than the rest of the population. In Mississippi, more than a third of all African-American deaths are from cardiovascular disease. The Jackson Heart Study wants to change that so you can leave a legacy of good health for future generations."

"Before we did the science, we let people know the study was about them," says Taylor. And people got it. "They said, 'This may not help me, but maybe it will help my children."

For Taylor, heart and circulation problems have struck close to home. He grew up in Birmingham, where his father, a steelworker, developed high blood pressure at the age of 29. (The salt tablets his father consumed to replace lost sweat probably didn't cause the hypertension, but they didn't help either, says Taylor.) Both of his grandmothers had strokes. That family history was one of the factors that drew him to cardiology as a specialty after studying biology at Princeton and medicine at Harvard. A summer fellowship at Cornell Medical School in New York between his junior and senior years of college, where he was exposed to the physiology of cardiology, strengthened Taylor's interest. "It just made sense to me," he says.

ltimately, 5,301 people, most between the ages of 35 and 84, were recruited for the heart study. They all traveled to the Jackson Medical Mall, a formerly run-down shopping mall that was rejuvenated with a combination of healthcare facilities and small retailers, for an in-depth interview and exam that lasted more than five hours and included scans of the heart, aorta, and abdomen. More than 85 percent returned for the next exam, about four years later, and 77 percent of the surviving original cohort came back for the next one. Those numbers are regarded as good to great, especially "for a group reputed to be difficult to recruit and impossible to retain," says Taylor. "Trust was the key ingredient."

To maintain that trust, study participants were represented on a host of important committees, including the ethics-advisory board and publications committee, where they were involved in decisions about the use of the data beyond the original study parameters and gave feedback on the public-health messages to come of the research. Allowing them a voice "reassures the community that at every turn, we're thinking like they think," says Taylor.

And with the long shadow of the Tuskegee experiment in mind, Taylor resolved never to keep helpful information from the participants. "I was a cardiologist before I was an epidemiologist," he says. "Don't sacrifice for methodological purity the right thing to do." For example, since research has shown diet can help alter health outcomes, he gave that information to participants.

Participants also hear about published findings from the study — and there have been some notable ones. In what Taylor calls a "pleasant surprise," researchers found that most of the study participants with hypertension managed it fairly well using medication. "That flies in the face of conventional wisdom that African-Americans tend to have vastly poorer control" of high blood pressure, he says. Still, the JHS found that participants 65 and older had about an 80 percent chance of having hypertension. "Having hypertension controlled is far better than not, but not having the disease is better," says Taylor. He hopes to "aggressively try to figure out how to prevent" high blood pressure in the first place.

Research from the heart study also found that a large proportion of participants — 45 percent of women and 33 percent of men — had metabolic syndrome, a group of risk factors (such as a large waistline, a high triglyceride level, and a low "good" cholesterol level) that raise the risk of heart disease, stroke, and diabetes. The syndrome looked different in African-Americans than it did in European- and Mexican-Americans, with the JHS group more likely to have as a risk factor low levels of "good" cholesterol than elevated triglycerides.

Genetic analysis also is part of the study. While race is sometimes used as a proxy for genetic differences, it's a poor one, says Taylor: "Genes are no respecters of racial boundaries." Some 64 percent of JHS participants agreed to share their genetic information with other researchers via large international databases, says Jim Wilson, the study's genetic coordinator and a professor of physiology and biophysics at the UMMC.

There's greater genetic variability within an African population than a European one, says Wilson, because those who left the continent to populate Europe and elsewhere took only a small subset of the variations that existed at the time. So genetic information from African-Americans is a particularly rich field for searching not only for genetic variants that might confer risk for heart disease, but also for those that might be beneficial - such as one that occurs in a small percentage of African-Americans and actually protects against heart attack, says Wilson.

Heart-study participants contributed information that helped create the most accurate map of the human genome to date. Data from the study also led to the discovery of the molecular basis for the fact that a large percentage of African-Americans have a lower white-blood-cell count than European-Americans. (Though this finding doesn't have direct implications for treating heart disease, the mutation that causes the lower white-blood-cell count is

For Taylor, heart and circulation problems have struck close to home. He grew up in Birmingham, where his father, a steelworker, developed high blood pressure at the age of 29.

A logical step for the study is to move toward testing some of the hypotheses that have been generated. For example, while psychological ill-being seems to have negative effects on the health of African-Americans, positive factors like religiosity. optimism, and social support are hypothesized to protect against cardiovascular disease.

beneficial in Africa, because it protects people who carry two copies of the mutation from one type of malaria.) Another paper showed that genetic variants previously associated with progression of kidney disease in blacks also were tied to a significant increase in risk for atherosclerosis.

But while genetic information is helpful, potentially leading to the development of new drugs, for example, Taylor says genes are not always destiny, particularly with complicated diseases of the heart. Environment and lifestyle play a role. Scientists also are looking at the epigenome, chemical compounds that modify the genome and can be passed on from one generation to the next. Environmental and lifestyle factors such as stress, diet, and early childhood development may influence the epigenome. So all those factors, Taylor says, are just as crucial to study as genetics.

aylor has known since early in his career that health was intricately connected with other socioeconomic factors. After an internship in Boston, he fulfilled his National Health Service Corps obligation by spending three years at a family health center in Liberty City, an inner-city neighborhood in Miami, whose patients came from many places: the Bahamas, Central America, Cuba, and Haiti. Taylor soon realized that care had to extend beyond the walls of the medical center, and that people had to become politically engaged to make their communities healthier places to live. He started a voter-registration drive from the health center and even wanted to ask patients whether they were voters and include that information in their charts. (That idea was vetoed by his superiors.)

The JHS collects socioeconomic data from its participants, and by analyzing that in conjunction with traditional risk factors, researchers can see that "some of the things in the social milieu get under the skin," says Taylor. For example, it's normal for blood pressure to drop at night. When that dip doesn't occur, or is blunted, it's associated with poorer health, including a greater risk of premature death. A JHS study found that even after accounting for other risk factors, people with lower incomes and less education were less likely to see a significant nighttime dip.

Mario Sims, a social epidemiologist and science officer in the heart study and an associate professor at the Mississippi medical center, was the lead author of a 2012 JHS paper that found people who perceived a lifetime of racial discrimination were 8 percent more likely to have hypertension than those who did not. (The study controlled for factors including socioeconomic status.) More recent, yet-to-be published work looks at perceived discrimination and behaviors like dietary, sleep, and smoking habits, says Sims.

"The study is really at a point of maturity," says Taylor. "We've established it as a major platform

for ongoing research." In August 2013 it was funded for another five-year period, but NIH budgets have contracted, and no further rounds of medical exams are planned. Instead, the study will collect information from the participants' hospitalizations, and researchers will continue to analyze the data that already has been amassed. And there are spinoff studies, such as one looking at whether yoga can affect risk factors for heart disease, that recruit IHS participants.

Sims says a logical step for the study is to move toward testing some of the hypotheses that have been generated. For example, while psychological ill-being seems to have negative effects on the health of African-Americans, positive factors like religious faith, optimism, and social support are hypothesized to protect against cardiovascular disease, says Sims. Because of this, interventions such as mindfulness and meditation might help. "We're starting to collaborate with people so we can marshal evidence," he says.

Though he has left Jackson, Taylor is not leaving his research on heart disease. At Morehouse, where he's the new director of the Cardiovascular Research Institute and holds an endowed professorship, he wants to take approaches drawn from the heart study and other research and see if they can improve outcomes. "People are dying [of heart disease] at incredible rates," he says. The DASH diet, for example, which focuses on vegetables and fruits, whole grains, and lean protein, isn't widely adopted, but it's been shown to be most effective among African-Americans, he notes. Observational studies have shown that three servings a day of whole grains are associated with a nearly 25 percent reduction in heart attacks, especially among African-Americans. Yet few people know what a whole grain is (it contains all the essential parts of the original grain seed), let alone what constitutes a serving (a half cup of cooked oatmeal or one slice of bread), he says. Moreover, research has shown the importance of exercise, yet few people meet the recommended levels. "The final frontier is behavior," says Taylor.

He plans to explore new ways to help people change their habits, with possibilities including using digital technology such as mobile phones to disseminate information in accessible ways. Taylor is looking forward to working with scientists from other disciplines to encourage people, "as a part of how they live their daily lives, to make healthy options the default." (He also plans to spend some time seeing patients, as he did in Jackson.) After tracking the trajectory of heart disease for the past 15 years, he's ready to try to change it. "Observation is still critical, but there's a lot we can do now," he says. •

Katherine Hobson '94 is a freelance writer specializing in science and medicine.

# PRINCETONIANS



## **FOLLOW THE FROMAGE**

Chronicling the expat life in France, one smelly, moldy cheese at a time

"How can you govern a country that has 246 varieties of cheese?" asked Charles de Gaulle in 1962. When Kazz Regelman '89 read that quote just after moving to France, it became the inspiration

for her blog, A Year in Fromage (www. ayearinfromage.com). Every day, she writes about a different cheese - she has sampled 300 so far, more than even de Gaulle knew — describing the smells

(often stinky) and the skins (sometimes moldy) while chronicling everyday life with her family among the French.

Regelman (known as Karen at Princeton) and her husband, Anthony Trask '91, along with their 9- and 11-year-old daughters, moved to Paris from San Francisco three years ago when Trask took a new job. For her family, which "has a strong adventurous streak," she says, the mandate to consume

continues on page 38

#### **FOLLOWING: A NEW FEATURE**

### **Calling Alumni Bloggers!**



PAW was inspired by the work of Kazz Regelman '89 and other alumni who blog dutifully and joyfully about everything from rock climbing in

Africa to juggling the responsibilities of raising four kids. A new feature will highlight a blog written by an alum in every issue.

We invite you to

nominate blogs your own or others - by emailing paw@princeton.edu. Visit blogs.princeton. edu/paw/alumniblogs/ to view links to more alumni blogs.

#### **PRINCETONIANS**

continued from page 37 every day sometimes has proved comic. While traveling in Alsace, they purchased the local munster cheese to take to the movies. The French version is not a block of mild white cheese, as in the United States, but a mold-covered disk with an intensely powerful odor. When they unwrapped their snack, their fellow moviegoers were horrified by the "super-blasts of stink rays," Regelman says.

Regelman begins each warm, wry post in her blog with the quotidian life of her family, punctuated by observations about French culture that only an expat could provide. In traditional French meals, after the main course comes the cheese, so each post moves on to Regelman's vivid impressions of her fromage du jour. She advises that neophytes to French cheese begin with brillat-savarin, "a golden buttery cow's cheese," and work up to le puant gris, known as "the gray stinker," which even the French find hard to stomach. Her blog, which will continue past its one-year anniversary in November, is a growing encyclopedia about French life and fromage.

Regelman is no stranger to the expatriate life. At Princeton, she majored in the Woodrow Wilson School and studied multiple languages, though French was her first. Following a year in Taiwan on a Fulbright scholarship, she moved to Japan with Princeton in Asia and worked as the Tokyo correspondent for Variety magazine. Today, she devotes her time to motherhood, blogging, and freelance writing.

#### "Contact me, and we'll break bread and cheese together."

Now pushing herself to try the most obscure French cheeses, Regelman is dreaming of the day when she can return to her favorites: bleu de severac, ossau iraty, and gouda de la citadelle d'arras. Until then, with a dozen cheeses in her refrigerator at any one time, she is searching for help consuming them: "If you're reading this and you come to Paris, contact me, and we'll break bread and cheese together." • By Kerry Saretsky '05



PROFILE: T'SAI-YING CHENG \*63 \*64

# A PIONEER FOR PRINCETON **WOMEN, FIFTY YEARS ON**

PAW missed an important anniversary in April: 50 years since T'Sai-Ying Cheng \*63 \*64 became the first woman to receive a Princeton Ph.D. A year earlier, Cheng had become the first woman to earn a Princeton degree of any sort, when she received a master's degree on the way to her doctorate.

Cheng came to Princeton to study what would become the field of genomics in the biochemistry department; she was prepared to be on the cutting edge of research, but not to be a pioneer for women. Though she says fellow students and professors treated her as they did other students, the attention she received on campus didn't appeal to her deeply private nature. She was not the first female student: That was Sabra Follett Meservey \*64 \*66 (often identified in press accounts as "Mrs. Edward B. Meservey"), who was admitted in 1961 and received a master's degree in January 1964. (Meservey became the first female academic dean at Dutchess Community College in New York; she died in 1994.)

Cheng went on to do research at Johns Hopkins University, the Institute for Cancer Research, and Brookhaven National Laboratories, though she felt that discrimination excluded women from consideration for faculty positions. Her discomfort with animal testing diminished her passion for studying cancer, so Cheng changed the focus of her work to plant biology. In 1974, she joined the faculty of the Oregon Graduate Institute, heading a project on plant genetics.

Today, Cheng is retired from academia but continues her research into plant propagation while growing bonsai for her specialty nursery, TC Gardens, in Vancouver, Wash. She relishes the hard physical work and the intellectual challenge. "This is another experiment of mine," she says. "How do you keep yourself with a sharp mind and a good body?" Fifty years on, she is more comfortable with her role as a pioneer. In a 1989 speech at the Graduate School celebrating coeducation, Cheng spoke about standing up for gender equality: "If I don't do it for those women behind me, it will be much harder." • By Katharine S. Boyer '16

**READING ROOM: JESSICA LANDER '10** 

# **CAPTURING STORIES OF LIFE** IN RURAL NEW HAMPSHIRE



At Princeton, Jessica Lander '10 took the legendary class in creative nonfiction taught by John McPhee '53. As a writer for The New Yorker, McPhee told students, he took hiking trips with geologists and traveled for weeks with truck drivers to deepen his understanding of his subjects' lives. Inspired, Lander decided to apprentice herself to those she wanted to write about: the inhabitants of a small New Hampshire town.

So she hunted for teal-tinted chicken eggs with a couple raising animals on a twoacre parcel of land; bottle-fed newborn calves on a farm operated by four generations of the same family; harvested blueberries while blasts from a sound cannon kept animal foragers away; and ladled fresh goat cheese with a woman who homeschools 10 children. The stories she gathered about Gilmanton, N.H. — where she had spent



What she's reading: Indonesia, Etc.: Exploring the Improbable Nation. by Elizabeth Pisani. "I first traveled to Indonesia when I was 9, and have returned many times since. Pisani's book fills in the history of this vast nation of 13,000 islands and 300 ethnic groups."

summers for the better part of two decades, living in a house built in 1791 — are assembled in *Driving Backwards* (TidePool Press).

Many of Gilmanton's 3,777 residents exude a ruggedness that long has defined the area. Once a bustling manufacturing town, its factories shut down one by one over the years. Lander writes about David Bickford, who, with his wife, Lizzie, greeted her family when they moved in with a fruit pie and a never-ending supply of stories. He died in 2013, just shy of 100. "These were stories that weren't going to get recorded," Lander says.

A half-century ago, Gilmanton briefly became famous as the source of the 1950s literary (and later film and television) phenomenon Peyton Place. The book's author, Grace Metalious, a Gilmanton resident, parlayed the town's secrets into the scandalous novel. For a time, people trekked there to gawk and ask residents which of the book's tales were true. Gilmanton became "the epitome of everything backward about small-town America," Lander

says. Metalious, wracked by alcoholism, died at 39 and was buried in "an ostracized corner" of the town graveyard, Lander says. Today, the library's sole copy of the book is kept under lock and key "to prevent it from being stolen or burned," she says.

Lander began the book as an undergraduate, working through stints as a teacher in Tanzania, Thailand, and Cambodia, and in her hometown of Cambridge, Mass. She typically wrote in the summer, then set the manuscript aside for nine months, which "enabled me to look at my work with a critical eye," she says. "I came to love that these are the kinds of stories we often take for granted, the quieter stories that never make it to the front page of The New York Times." Now studying for a master's degree in education policy at Harvard, Lander found that on her book tour, people from as far away as Arkansas and Wyoming told her, "This is my town." • By Louis Jacobson '92

#### WANTED

#### Memorabilia for the USS **Princeton**

The USS Princeton — the sixth U.S. Navy ship to carry the Princeton name -is docked in San Diego to be retrofitted. As part of the refurbishment, the crew is hoping to redecorate, and they're looking for a few good Princeton souvenirs.

Though the ship is named after the **Revolutionary War** battle in town, the Navy is interested in collecting memorabilia from the University for the ship. "We can outfit it in all sorts of orange and black — there's no shortage of that," says Sev Onyshkevych '83, who is collecting items as chair of the Alumni Association's Princetoniana Committee.

When Princeton's football team plays its first game of the season at the University of San Diego Sept. 20, several of the ship's crew members are expected to attend alongside members of the Princeton Club of San Diego.

Those wishing to donate items to the ship should contact Onyshkevych at vsevolod@alumni. princeton.edu.



#### **NEW RELEASES**



The Internet, according to Charles Seife '93, is making humans better at something they have been doing since the dawn of civilization: lying. In Virtual Unreality:

Just Because The Internet Told You, How Do You Know It's True? (Viking), Seife explores the digital methods used to deceive us and offers practical tools for figuring out the truth online.



Margaret Bradham Thornton '81's debut novel, Charleston (Ecco), is steeped in the rich culture of the city for which it is named. When the main character, Eliza Poinsett, returns

to her hometown of Charleston, S.C., she finds the past she left behind has caught up with her. The novel explores how notions of home and place shape our lives.



The American Revolution was more than just a war; it was a transformation of American attitudes, argues Thomas P. Slaughter \*83 in Independence: The Tangled

Roots of the American Revolution (Hill and Wang). The book unravels a web of religious and economic disputes to show, in Slaughter's words, "how independence became revolutionary."



At the age of 3, **John** A. O'Brien '65 was dropped off at the Milton Hershey School, a place where orphans received a free education courtesy of the founder of the

Hershey Co. The 14 years he spent there as a student and, much later, his years as its president are chronicled in Semisweet: An Orphan's Journey Through the School the Hersheys Built (Rowman & Littlefield).



New York City is an international economic center, thanks in part to the rise of the banking industry. In Capital of Capital: Money, Banking, and Power in New York City, 1784-2012

(Columbia University Press), Steven H. Jaffe '81 and Jessica Lautin **'03** trace the frequently contentious evolution of the banking business, from the bank notes issued during the Revolutionary Era to the 2008 financial collapse.



The pursuit of beauty in the South was linked to the region's tumultuous racial divides, asserts Blain Roberts '96 in Pageants, Parlors, and Pretty Women: Race and Beauty in the 20th-

Century South (University of North Carolina Press). The book examines the Jim Crow-era cosmetics industry and the way that black-owned beauty shops became important sites for the civilrights movement.



Why have some Israeli leaders stuck to their hard-line positions while others have become peacemakers? Yael S. Aronoff '90 addresses that question in The Political Psychology of

Israeli Prime Ministers (Cambridge University Press), which examines how leaders' personalities and belief systems can affect a country's foreign policy. •

# **Newsmakers**



Architect TOD **WILLIAMS** '65 \*67 and his wife and professional partner

Billie Tsien received the **National Medal of Arts** in July. The citation hailed "their deliberate and inspired designs ... and their teaching and spirit of service." Their firm, **Tod Williams Billie Tsien** Architects, designed Princeton's Andlinger Center for Energy and the Environment, currently under construction next to the Engineering Quadrangle.



**CHERYL** LAFLEUR '75, a member of the Federal Energy Regulatory Commission

since 2010, took the helm as chairwoman in July. Her term as chair runs through next April.

The American Foreign Service Association awarded the William R. Rivkin Award for **Constructive Dissent** to DAVID HOLMES \*02 in June. The award recognizes demonstrations of intellectual courage to challenge the system from within. Holmes. who served overseas tours in Afghanistan and India, sought to address bureaucratic divisions within the South Asian region of the U.S. State Department.

#### MARK A. MILLEY '80

was promoted to fourstar general in August and installed as the commanding general of the U.S. Army Forces Command, headquartered at Fort Bragg, N.C.

Third Black Alumni Conference Planned

Princeton's black alumni conference will be held Oct. 16-18. "Coming Back: Reconnecting Princeton's Black Alumni" will offer "conversation, connections, and fun," following up on the conferences held in 2006 and 2009. Speakers will include President Christopher Eisgruber '83, professor emerita Toni Morrison, and ESPN analyst Craig Robinson '83, brother of Michelle Obama '85. For more information, visit alumni.princeton.edu/goinback/conferences/bac/. •

# **CLASS NOTES**

Online Class Notes are password protected. To access, alumni must use their FigerNet ID and password. Click here to log in: http://paw.princeton.edu/ssues/2014/09/17/sections/class-notes/				

# **MEMORIALS**

PAW posts a list of recent alumni deaths at paw.princeton.edu. Go to "Web Exclusives" on PAW's home page and click on the link "Recent Alumni Deaths." The list is updated with each new issue.

#### THE CLASS OF 1939



Harrison S. Fraker '39 Harry died on his 96th birthday, Dec. 3, 2013, at his home on Nantucket Island. He summered there but moved to the island permanently upon

retiring as president of Topics Publishing Co., publisher of drug- and food-trade journals. While working in New York City, Harry commuted from Princeton. (His phone number was 924-1939.)

Harry already had started his own realestate firm when he moved to Nantucket in 1979. He set a sales record one year in the 1980s. An avid golfer, he wintered in Pinehurst, N.C., in his later years.

Harry's first job was with Johnson & Johnson. "Then came the war," he wrote in our 25th-reunion book. "I served as a major in the Army and was a battery commander in the Third Army Field Artillery in Europe. I earned a Purple Heart, but I am most proud of the fact that Gen. Patton pinned my Bronze Star on me."

As an undergraduate, Harry starred on our tennis and hockey teams. At Baker Rink, he was known for his "disarming chip shot — the Fraker flip."

Harry's first wife, Marjorie Tomlinson, died in 1986. They had five children, including architect Harrison S. ("Pony") Fraker '64. Harry's second wife, Barbara Rulon-Miller w'36, died in 2006.

#### THE CLASS OF 1943



John W. Post '43 John Post died Feb. 23, 2013, at home in Littleton, Colo. He graduated from Princeton on an accelerated war-years schedule with a

bachelor's degree in aeronautical engineering and served as a pilot in the Air Force through the conclusion of World War II. John's business career included engineering sales and management, securities-investment management, and entrepreneurship in manufacturing. At Princeton, John served as president of Elm Club.

An avid woodworker, John crafted and sold floor looms now spread to each of the seven continents. John could make or repair most things because he understood how and why they worked.

John is survived by Virginia Foss Post, his wife of 67 years; their children, John M. Post, Nancy P. Messinger, Steven D. Post, and Geoffrey F. Post '77; 10 grandchildren; and two great-grandchildren.

#### **THE CLASS OF 1945**



William C. Campbell '45 Bill Campbell died Aug. 30, 2013. One of America's most renowned amateur golfers, Bill was the most notable sports figure in our class, rivaled only

by Butch van Breda Kolff.

Bill entered Princeton from Phillips Exeter and joined Cap and Gown. His Princeton career was interrupted by service with the 100th Infantry Field Artillery, which saw combat in France and Germany. Bill was awarded the Bronze Star. Returning to Princeton he graduated in 1947 with a degree in history. He was class secretary for three years and a vice president for five. His life and career were devoted to Huntington, W.Va., where he resided for nearly all of his life and ran an insurance agency for John Hancock.

Bill was the first American to have headed both the U.S. Golf Association and the Royal and Ancient Golf Club of St. Andrews in Scotland. He won many amateur golf championships, and played in eight Walker Cup matches, 18 Masters Tournaments, and 15 U.S. Open Championships — an extraordinary amateur record.

Bill married Joan Bradford in 1954. In addition to Joan, Bill is survived by his son, Colin '79; daughter Victoria '78; stepchildren Diana, Patricia, Christiane, and Bradford; 15 grandchildren; and six great-grandchildren. The class expresses its sympathy to the family.

#### Theodore R. Fehrenbach '45

Ted Fehrenbach died Dec. 1, 2013. Ted was long known as the official historian



of his beloved Texas. Although born in Texas, Ted spent his formative years in California, graduating from Hollywood High School. His Princeton studies were interrupted

by service in World War II. He returned to Princeton and earned a bachelor's degree in modern languages in 1947.

Ted married Lillian Breetz and took up lifelong residence in San Antonio. He was recalled for the Korean War, which led to combat as a platoon leader, company commander, and battalion staff officer with the 2nd Infantry Division. He separated as a lieutenant colonel before returning to Texas, where he began an impressive career as historian/author. Ted wrote many articles and 18 books, including This Kind of War, Lone Star (the most widely read history of Texas), Fire and Blood, Comanches, and Greatness to Spare. As he noted in our 25th yearbook, some strokes of fortune can't be reduced to 400 words. Unfortunately this memorial is limited to 200 words, but we hope to do Ted justice by detailing his impressive contributions to Texas history in future class columns. Jim Calvert is at

Ted and Lillian had no children. We express our sympathy to Lillian, who without question has unique positive memories from a long and happy marriage.



#### Robert E. Levien '45

Bob Levien died Jan. 28, 2014. Bob graduated from high school in Florida. After Pearl Harbor he enlisted in the Navy's V-8 accelerated program

and thus was able to continue his studies in civil engineering at Princeton, where he was a member of Terrace Club. Bob was in the first group of '45ers to receive degrees on April 4, 1944.

After two months of midshipman school in Rhode Island, he was commissioned on July 15, 1944, as an ensign in the Navy's Civil Engineer Corps. The next day, July 16, he married Anita Daniels, the love of his life. They spent the next seven months together while he underwent further training. His unit was then sent to the Pacific theater, where he saw action at Iwo Jima and Okinawa.

When he returned to the United States in 1947, he went into the construction business. He opened his own professional engineering office in 1953 in New York, designing hundreds of buildings throughout the country until his retirement in 2002.

Bob is survived by Anita; his son, Kenneth; daughter, Cary; and granddaughters Andrea and Kate. His son, Andrew, predeceased him in 1969. The class expresses its sympathy to the family.

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#### John H. Scott Jr. '45

Jack Scott died June 5, 2013. He entered Princeton from Exeter, where he had been manager of the basketball team. He joined Cottage Club,

but his studies were interrupted for military service as an air-traffic-control specialist and cryptographer in Egypt, Libya, and Turkey. Returning to Princeton, he earned a bachelor's degree in economics in 1948 and entered Cornell Law School, from which he graduated in 1953. He joined the large Pittsburgh law firm of Reed, Smith, Shaw & McClay, where he practiced law until his retirement in 1989.

In 1954, Jack married Jean McDougall of Australia. In addition to his home in Pittsburgh, Jack and Jean maintained a home in Nantucket, where he belonged to the Nantucket Yacht Club and the Sankaty Head Golf Club.

In addition to Jean, Jack is survived by his daughter, Diana; son Hugh; and his sister, Marcia Butterwick. The class expresses its sympathy to the family.

#### THE CLASS OF 1946 William B. Everett '46



In our 25th yearbook, Bill Everett said he was "instrumental in developing the containerized concept that formed a basis of piggy-back and seagoing containers, which

have become a standard of the transportation industry." By then he was well established as a principal of Chicago's international management-consultant firm A.T. Kearney & Co., covering all phases of business enterprises, including financial control, production, industrial engineering, and marketing.

Result: He served the trucking industry as a national consultant on transportation and physical distribution. Later, Bill was a partner in Bowman-Everett & Associates of Memphis, consulting on industrial and mechanical engineering, mainly concerning the design of tools and machines.

Bill's death May 23, 2012, left as survivors his wife, Dorothy Jeanne Robinson Everett; four children, Robin Everett Stanford, William Bailey Everett Jr., John Allan Everett, and Anne Everett Barton; four grandchildren; and three great-grandsons.

Bill cherished his Princeton undergraduate days as "a unique experience. Where else on Earth," he said in 1996, "could a young man expect to meet Dr. Albert Einstein and share a hot dog with him at the 'Jigger Man's' cart on a balmy evening?"

#### Earle E. Herrold '46

One of our youngest classmates, Earle Herrold was just 16 years and 7 months old when we first gathered in June 1942. On turning 18, he

became an Army Signal Corps radio operator in Aruba, the Netherlands, and the West Indies. Back on campus, he majored in psychology, graduating in June 1949.

Liking Earle's radio-operator experience and his having earned honors in psychology, Bell Telephone put him to work in Maryland for six years in a variety of jobs and locations. Then, seeking warmer climes, he moved to Southern Bell in Florida. There his 27 years of interesting assignments showed him the state from Pensacola to Key West.

In retirement, Earle specialized as a real-estate appraiser and worked with his wife, Germaine, in real-estate brokerage, with weekends on the water at Key Largo and lengthy autumn visits to the Harrisburg, Pa., area.

When Earle died Jan. 21, 2012, he was survived by Germaine; daughters Navy Capt. Susan Herrold, Kimberley Herrold Wade, and Yvette Herrold Doherty; and two grandchildren. To them all, '46 expresses sincere condolences.



#### James N. Holsen '46

Before 1973, Washington University Professor of Chemical Engineering Jim Holsen spent five years in Afghanistan working as that

college's representative to help the U.S. Agency for International Development create a school of engineering in Kabul. He then joined a similar program in Saigon, Vietnam, sponsored by the University of Missouri-Rolla (UMR). Following that, he briefly taught engineering management at UMR before the McDonnell Douglas Corp. recruited him to serve as program manager for several space-related projects.

In retirement, Jim pursued environmental issues. As a founding director of the Missouri Environmental Fund, he developed a plan for payroll contributions to environmental causes. Following the Mississippi's devastating flood of 1993, he worked on a mayor's committee to draft a master plan for St. Louis' Forest Park, with the River Basin Alliance to restore wetlands and planned management of flood plains.

Although Jim died March 12, 2007, his death was not reported to Princeton until May 29, 2012. His survivors then were presumed to be his wife, Margot Mayer Best; stepchildren Victoria, Christopher, and John; and his sons from his first marriage, Jim III and David. Belatedly, '46 thanks all for Jim's well-lived life.



#### William S. Shannon '46

If you knew textiles and tennis, you knew Bill Shannon. Home from service with the 186th Combat Engineer Battalion in the South Pacific

(i.e., New Guinea, Morotai, the Philippines, and Japan), he wrote his senior thesis on the textile industry. Then, after graduating in 1948, he made textiles his life's work at Springs Industries, remaining with them until he retired in 1987 as vice president for marketing. His work took him to the Carolinas, Los Angeles, and ultimately, back to New York and New Canaan, Conn.

A tennis buff, Bill played in the Super Senior Tennis Circuit in New England and later in Vero Beach, Fla., where he and his wife, Pat, moved full time in 1997. Earlier, he had been a regular at the Princeton Club of New York. Pat and he attended our 50th and 60th reunions.

Bill died May 20, 2011, in Greenville, S.C., a few weeks after he lost Pat. Their daughter, Frances Allison, died in 1997. To Bill's remaining children, Bill Jr., Caroline Yama, Rhetta Shannon, and Sarah Moncho; their spouses; and his seven granddaughters, the class extends sympathy.



#### Philip W. Wood '46

As city auditor for 21 years during 11 consecutive terms beginning in 1988, Phil Wood became the longest-serving elected official in Tulsa, Okla.,

history. His office made more than 1,000 recommendations on financial efficiency (more than 90 percent were adopted), including Tulsa's first ethics standards, first financial-disclosure requirements, and checks on sales-tax remittance that in two years identified \$1.2 million the city would not otherwise have gained.

In 1946, Phil and his wife were among the couples who pioneered veterans' housing in Brown Hall and then the Harrison Street project before he joined Union Carbide's plastics division in 1948. Cities Service Corp. hired him in 1966 to launch its plastics business. Upon his retirement there, he was executive vice president and chief financial officer. He next spent five years teaching at the University of Kansas School of Business.

Phil served on Oklahoma arts-organization boards and held season tickets to chamber music, symphony, opera, ballet, and Broadway shows.

At the time of his death Nov. 20, 2013, Phil was survived by his wife, Emily; daughter Martha; sons Arthur, Benjamin, and Warren; nine grandchildren; and five greatgrandchildren. The class proudly notes that Phil was (as Tulsa's mayor said) "a remarkable man who always put the interests of citizens first."

#### THE CLASS OF 1948



Michael J. Bove III '48 Michael and his family had homes in Palm Beach, Fla., and Newport, R.I. He died April 4, 2014, in Palm Beach, at the age of 89.

He graduated from high school in Boston and served in the Marines during World War II before coming to Princeton, where he graduated in 1948. He was a Chevrolet dealer in Massachusetts and Rhode Island for more than 40 years and also owned a specialty printing company in Providence.

He is survived by Pamela Anne, his wife of 30 years; sons Michael IV, Patrick, Douglas, and Chris; his daughter, Maria Elizabeth; eight grandchildren, and five great-grandchildren.

#### William Kenmore Schweitzer '48

Ken was born in Cleveland and died in Midland, Mich., April 4, 2014.

He grew up in Claymont, Del., and entered Princeton in 1944. He was drafted for Army service in Korea, then came back to graduate with a chemical-engineering degree in 1948. He earned a doctorate in chemistry at the University of Cincinnati and joined Dow Chemical Co. in Midland, first as a researcher, and later as a participant in commercialization of a variety of plastic products.

Ken had a variety of other technical and management assignments with Dow worldwide. He received about a dozen patents. Ultimately he became corporate director of economic and strategic planning back in Midland, and retired in 1990. Ken was on the Midland Board of Education and served as city planning commissioner.

He and Shirley Ann (née Karnes) had married in Cincinnati while he was in graduate school. They traveled worldwide together and wintered often in Tucson, Ariz., where Shirley died suddenly in 1999 of acute lymphoma.

Ken then was married for 13 years to Ruth Mitchell, a widow who had been a longtime neighbor and friend of the Schweitzers. Ruth survives him, as does his son, William Kurt; brothers Glenn and Dennis; and two grandchildren. Another son, James, died in 1977.



#### Heyward L. Siddons '48

Heyward was an awardwinning creative director and manager of TV broadcasting and video in his hometown of Washington, D.C., and

in Denver and Atlanta, before retiring to Charleston, S.C., where he died after a short illness April 14, 2014. He was producer/director of Meet the Press and many other network news and feature programs. He also was co-founder and part owner of a company in Phoenix for visual aids and specialty printing.

A graduate of St. Albans School, Heyward was an Army Air Force bomber-navigator for three years before and after World War II. At Princeton he was a history and political science major, member of Colonial Club, and an ardent tennis player.

He and his second wife, Anne Lee Siddons,

married in 1966. In Charleston, Heyward remained active assisting with business arrangements for Anne, who is a best-selling author of numerous novels and short stories. He described his help to her as "travel scheduling, book signings, etcetera." (Anne authored the memorable story "Reunions Make Me Cry," about how, at our 25th reunion, she discovered and was captured by Princeton spirit. The essay was republished in our 50th-reunion book.)

Anne survives Heyward, as do four sons from his first marriage to Nancy (née Williams), Heyward Jr., Philip, Frederick, and David; their spouses; and his grandchildren.

#### **THE CLASS OF 1950**

#### Charles E. Elliott III '50

Charlie died March 10, 2014.

Charlie graduated from Columbia High in Maplewood, N.J. At Princeton he majored in English, was recipient of the Wanamaker English Language Prize, and belonged to Prospect Club. In 1951 he began a threeyear enlistment in the Marine Corps, which included a Korean tour.

After a brief stint as a McGraw-Hill representative, Charlie earned a master's in English from Michigan State University and a Ph.D. in linguistics from Michigan. He remained in Michigan, teaching at the Ferris Institute and Lansing Community College before he went to the Indian Institute of Technology in Kanpur as a visiting professor. His teaching career then took him to Cornell, Ithaca College, and Tompkins Cortland Community College. He retired after returning to Cornell as a consultant.

Charlie's enthusiasm for teaching came through when he trained Literacy Volunteers and taught flight simulation and computer operation at a senior center. He was a voracious reader whose fascination with life led him to explore many interests, including watercolors, poetry, classical music, woodworking, photography, gardening, and stamp collecting.

Our sympathy goes to his wife, Patricia, whom he married in 1955; his children, Katie, Chas, Bill, and John; his brother, Walt; and seven grandchildren.



#### Paul Hofflund '50

Paul died Feb. 1, 2014, in San Diego.

An SPIA major at Princeton, he received an NROTC commission and belonged to

Court Club. He was in the Pre-Law Society, World Federalists, the Christian Science Organization, and Whig-Clio. His three years in the Navy included two Korean sea tours. He continued as a reservist until retiring in 1972 as a commander in the JAG Corps.

After earning a law degree from George Washington in 1956, he became a counsel

for the District of Columbia and then a U.S. attorney in San Diego. Private practice in California followed in 1962. Ten years later, Paul interrupted his law career for practice of Christian Science as a penal-institution chaplain, campus counselor, and in leadership roles. He returned to law as a teacher in 1984. By our 50th, he was "relishing his golden years" as a solo practitioner and a pro tem judge and arbitrator.

With his wife, Anne, whom he married in 1958, he devoted many volunteer hours to church work. She predeceased him in 2010. Family activities and travel were much a part of his life. Paul was an active alumnus, whose last work was as 1950's Planned Giving chair.

Our condolences go to his second wife, Marilyn; his son, Mark '81; and daughter Sylvia.

#### THE CLASS OF 1951



#### Lawrence W. Becker '51 Larry was born Nov. 14, 1929,

in Rochester, N.Y., to William H. and Alcey Cole Becker, the youngest of 10 children.

He attended John Marshall High School in Rochester and put himself through Princeton on scholarship, loans, and numerous campus jobs. He majored in psychology, was editor of the Freshman Herald, and belonged to Cannon Club. He played varsity baseball and roomed with Ed Irvin. For him, baseball culminated in the team's taking part in the NCAA's 1951 College World Series held in Omaha.

Larry served for two years as a first lieutenant in the Marine Corps at Quantico, Camp Pendleton, and Korea. He married Bette MacDonald in 1953.

His business career was entirely in mortgage banking in Palo Alto, San Francisco, and Pasadena. When he retired he was president of what was then the First Interstate Mortgage Co.

Larry had successfully battled different forms of cancer at least seven times over the past 30 years. Most recently he dealt with throat cancer, which had spread to his lungs. He died Aug. 2, 2013, in Montrose, Colo. He is survived by Bette; their children, Jennifer Hemond, Bob, Scott, Marty, and Kent; nine grandchildren; and his brothers, Russell and Clyde.

#### THE CLASS OF 1952



#### George C. Denby '52

George, son of James Orr Denby 1919, studied at Le Rosey and graduated from the Millbrook School. At Princeton he joined Colonial and majored

in politics.

George served in the Air Force for five years, retiring as a captain after a stint as an aide to Gen. Curtis LeMay in Honolulu. He then took up a career in several leading brokerage

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companies while living in Washington, D.C. He retired from Wachovia Securities. His clubs included the Chevy Chase and the Metropolitan, where he was a devoted member of the chess team.

George died May 7, 2014. He leaves his former wife, Marion von Hagen Kober, the mother of his sons, Douglas and Nicholas; and his current wife, Carmen Yoma. To them the class offers condolences and appreciation for George's service to our country.



#### John C. Howell '52

Jack, son of Corwin Howell 1903, came to the class from Pingry School. He joined Terrace and majored in SPIA. He was a member of the

University Press Club all four years and roomed with Tom Martin and Marshall Lowe.

Jack graduated from Harvard Law School with the class of 1957 and practiced law in Newark with the firm of Moore and Howell. He died Jan. 3, 2014, in New Port Richey, Fla.



#### George M. Knebel '52

George graduated from Scarsdale (N.Y.) High School. At Princeton he joined Key and Seal and belonged to the

Westchester, outing, and sailing

clubs. He majored in economics and roomed with George Aman, Bill Seavey, Gil Stockton, and Jed Philp.

George went on to earn an MBA from Wharton and serve in the 101st Airborne in Germany. George worked for IBM in New York and in Chattanooga until 1989.

His personal interests included the Church of the Good Shepherd on Lookout Mountain, Tenn., where he served as a junior and a senior warden. He worked with a community-service organization, Civitan, which named him its "Man of the Year." He was married to the late Jane Ann Hartzel.

To George's children, Carolyn and Craig, the class sends condolences on the loss of their father, who died April 28, 2014.



#### George A. Nankervis '52

A distinguished medical researcher, George came to us from Meriden (Conn.) High School, joined Quadrangle, and roomed with Bob Lovell. He

majored in biology and belonged to the Wesley Foundation, the football and concert bands, and Triangle Club. He also was a member of the Republican Club and the Pre-med Society. He was elected to Phi Beta Kappa.

George served in the Navy as a gunnery officer for three years. He earned a Ph.D. in bacteriology and a medical degree from the University of Rochester.

In his medical career he focused on diseases of childhood and published extensively on congenital viral infections in the newborn. George was chairman of pediatrics at Northeastern Ohio University College of Medicine and later at Children's Hospital Medical Center of Akron.

He died April 8, 2014, leaving his wife, Janet, and their two children, Patricia and Craig. The class offers its sympathy to them with a salute to George for his service to our country and to the advancement of pediatric medicine.



#### Samuel W. Pringle Jr. '52

Sam came to Princeton from Mercersburg Academy. He majored in SPIA, joined Terrace and roomed with Jim Eakin. He served on the Prince

business board and the Bric-a-Brac editorial board and participated in the choir and Westminster Fellowship.

Sam was in the class of '55 at Harvard Law School. After assisting federal Judge Joseph P. Wilson, Sam joined his father's firm in 1957 for three years, then practiced until 1997 in U.S. Steel's law department. There followed work as a real-property attorney for Sprint Communications until 2005.

He gave years of service to the Fox Chapel Presbyterian Church in Pittsburgh and the Masonic Lodge of Dormont. His clubs were Longue Vue and St. Clair Country.

Sam died May 11, 2014. To his wife, Barbara, and children Marybeth, S. Wilson III, Robert E. Walley IV, and Philip, the class sends sympathy.

#### **THE CLASS OF 1954**



William V. Elder III '54 William Elder died suddenly of heart failure April 17, 2014, at Northwest Hospital in Randallstown, Md.

Born in Baltimore, he graduated from The Hill School. At Princeton, he majored in art history, was a member of Charter Club, and was active in the Print Club. He subsequently studied at the University of Pennsylvania and was an art history instructor there. He left that position in 1961 to become the registrar at the White House.

During the Kennedy administration, he was appointed curator of the White House and worked closely with Jacqueline Kennedy and the president, adding furniture and paintings to the permanent collection there. His career also included three decades at the Baltimore Museum of Art, where he served as curator of decorative arts. He also was considered an authority on Early American furniture.

William never married. He is survived by his brother, Thomas; a nephew; three nieces; and six great-nieces and nephews. The class extends sympathy to them in their loss.



William D. Van Dyke III '54 Bill Van Dyke died peacefully April 7, 2014.

Born in Milwaukee, he attended The Hill School and Milwaukee Country Day

School. His college major was politics. He was a member of Triangle Club, the Republican Club, and Tiger Inn.

Subsequent to graduation, Bill served in the Army's Paymaster Corps at Fort Sheridan, Ill. Bill received an MBA from Stanford University. He became a partner in Harris Upham & Co., a Wall Street brokerage, heading its Milwaukee office. Through a series of mergers, he served as director, senior vice president, and account executive with Smith Barney. He retired in 2008.

Bill also was a longtime director of International Flavors & Fragrances, a leading company in the creation of fragrances used worldwide.

Bill received an honorary doctorate from the Milwaukee School of Engineering.

Bill loved spending time with his family, traveling, and sports. The class is honored by his service to our country and sends condolences to his wife, Polly; their daughters, Kathryn, Helen, and Ellen; and four grandchildren.

#### **THE CLASS OF 1955**



Harry W. Berkowitz '55 Born to Rosalie and Sidney Berkowitz Nov. 15, 1932, in San Antonio, Texas, Harry was raised in a home filled with artists and fine art.

He prepared at Andover. At Princeton he lettered in lacrosse and football, and his experience in college athletics helped shape his motivation and passion for outdoor activities. He was an avid skier and fly fisherman, traveling throughout the country in search of rising trout.

Harry married Mimi Dreier. They raised four children and spent summers on Shelter Island, N.Y. After Mimi's death, Harry was blessed with the love and companionship of Donna Dean, who fulfilled his life.

To others, Harry brought graciousness, insight, and genuine interest in their lives. His passion for life and consideration for others was remarkable. His retail career at Neiman Marcus, Saks Fifth Avenue, Sakowitz, and Zale Corp. culminated in seven years as president of the Yale Co-op. Harry was a founder of Princeton Project '55, now AlumniCorps, which helps connect Princeton grads with nonprofits. He was a member of the Princeton Prize in Race Relations committee.

Harry died March 15, 2014, in New York City while recovering from surgery. He was 81. To his survivors, the class says, "We will miss him as you do."



George L. Caldwell '55 The son of William W. Caldwell, George was born Feb. 3, 1933, in New York City. At Princeton, George majored in history and joined

Ivy. He roomed at 2-A Holder with R. Stinson, R. Russell, S. Boyd, M. Bryan, G. Gray, F. Schoettle, J. Quarles, W. Brown, and J. Griffin.

From a young boy who fed lettuce to manatees and discovered Indian artifacts, George grew up to be a respected gentleman who loved Fort Lauderdale and was deeply involved in his community. After two years in the Navy, he joined his father's construction company, becoming president in 1965 and running it until his retirement in 1996.

In 1967, George was elected to the Florida House of Representatives, where he served until 1972. After his father's death, George moved from Tallahassee to Fort Lauderdale to run the construction company, building Burdines, Pine Crest School, the Church-bythe-Sea, and the International Swimming Hall of Fame. "His was the only construction company in town; he built everything," said Emilie Shaw, widow of former U.S. Rep. Clay Shaw. In 1994 and 1996, Mr. Caldwell was chairman of Shaw's re-election campaigns.

George also served on the Fort Lauderdale Chamber of Commerce, and the boards of Gulfstream Land Development, Bonnet House, and the historic Stranahan House.

His wife, Jean, died in 2002. George died March 3, 2014, at his Fort Lauderdale home from complications of a stroke. To his children, Elizabeth, George Jr. '84, and Alexandra, and nine grandchildren, the class sends sympathy.

#### **THE CLASS OF 1957**

#### Jesper Rosenmeier '57

Beloved husband, father, stepfather, and professor, Jesper Rosenmeier died suddenly April 3, 2014, while walking across the university campus he loved, Tufts.

Jesper was born June 20, 1934, in Tveje Merløse, Denmark, and came to the United States in 1954. He earned a bachelor's degree in English from Princeton and a Ph.D. in history from Harvard University.

Jesper taught early American literature at Tufts for more than 50 years. He founded the interdisciplinary American Studies program, eventually winning the Mary C. Turpie Award from the American Studies Association for "excellence in teaching and outstanding contribution locally and regionally." In addition to numerous essays and reviews, he wrote The Language of Canaan (1976) and Spiritual Concupiscence: John Cotton's English Years, 1584-1633 (2012). His students praised him for his compassion, creativity, and dedication.

Jesper's life revolved around his family. He especially loved spending summers on Prince Edward Island, Canada, with his wife, children, and grandchildren.

His wife of 44 years, Rosamond, died in 2011. Heartbroken after her death, he moved to Annisquam, Mass., where he found healing and a new community. He is survived by his children, Jason Field (Susan Moreno), Twyla Ramos (Manuel Ramos), Alan Field (Louisa Terrell), Peter Rosenmeier (Sara Smith), and Leah Morine Rosenmeier (Randall Morine); 12 grandchildren; and fiancé Anne Babson Carter.

#### **THE CLASS OF 1958**



Robert S. Bennett Jr. '58 Bob died May 9, 2014, after a valiant four-year battle against pancreatic cancer.

Bob was born in Bethlehem, Pa., and came to Princeton

from Deerfield Academy. He majored in architecture and was a varsity swimmer and a member of Charter Club. In his senior year he roomed with Bart Marsh. Deciding that classes at Stanford graduate school could not compete with golf at nearby Pebble Beach, Bob joined the Navy and spent four years assigned to the Philadelphia Navy Yard as a civil engineer.

After the Navy, Bob worked in New York for Clarke & Rapuano and the Uris Corp., landscape architecture and real estatedevelopment firms, respectively. In 1975, he opened his own residential-architectural firm in Pennington, N.J. His houses and gardens can be seen from New Hampshire to Florida, and are a lasting reminder of his unwavering passion for what he did.

Bob never lost his love for Princeton, taking up residence on Cherry Valley Road in a home, naturally, of his own design. He will be remembered for his architectural talent, his love of golf and swimming, gardening and travel, and his unfailing sense of humor.

The class extends deepest sympathy to his wife, Bobbie, and daughter Laura '89.



William B. Bennett '58 Bill died March 1, 2014, in Oklahoma City.

He came to Princeton from Nott Terrace High School in Schenectady, N.Y. At Princeton,

Bill majored in economics and was a member of Cloister Inn. He was active in the Triangle Club orchestra and the Savoyards and was student manager of the University Store.

Bill received a master's degree and a Ph.D. in economics from the University of Rochester. Several years later he was appointed chairman of the economics department at SUNY Buffalo, a position he held for 26 years.

He was a man of profound kindness with a resolute sense of fairness. He was a member of the NAACP and Housing Opportunities Made Equal, immersing himself into educating and

empowering poor and disenfranchised people. He infused his economics classes with issues of racism, poverty, environment, and occasionally economic theory.

Bill spearheaded the development and growth of the Stock Market Game, which allows high-school students to compete against one another by investing imaginary money in the market. The game began in a small school in Ontario, Canada, and through Bill's efforts the game is now played internationally by millions

Bill is survived by his wife, Lee Eddy; son William; his son-in-law, François Bikamba; stepsons Rand Eddy and Rust Eddy; and seven grandchildren. To them all, the class extends its sympathy.

#### THE CLASS OF 1959



Russel H. Beatie Jr. '59 Cap died March 30, 2013, in New York City.

Born in Kansas but transplanted to New York, Cap attended the Hackley School

in Tarrytown, where he captained the crosscountry team. At Princeton his athletic interests expanded to include wrestling and lacrosse. He joined Cloister Inn, majored in history, and drilled with the Army ROTC drill team. He also performed with the Savoyards and sang in the Glee Club and Chapel Choir.

Two years in the field artillery and three years at UVA Law School groomed Cap for an associate position at Dewey Ballantine, where, in 1972, he became a litigation partner. In 1983 he formed his own law firm, the first of several in which he served as senior partner. He litigated on behalf of Ivy Club and Tiger Inn in the Sally Frank '80 lawsuit, and on behalf of himself in an unsuccessful attempt to overturn NYC's Smoke Free Air Act so he could light up his trademark cigars in city restaurants.

A prolific historian, Cap had completed three volumes of his multi-volume Army of the Potomac opus (the first drew on his senior thesis), with the fourth installment completed but unpublished. An accomplished big-game hunter, Cap seemed to delight in tweaking the "politically correct" with his exploits.

Cap is survived by his wife, Julie, and two children, Benjamin and Amy.



Robert A. Butler '59

Bob died Feb. 16, 2014, due to complications from pneumonia. He had been incapacitated for several months following a serious

skiing accident in 2013.

Born in Framingham, Mass., and coming to Princeton from Erie, Pa., Bob majored in the Woodrow Wilson School, sailed with the yacht club, and ate at Campus Club. Following

#### PRINCETONIANS / MEMORIALS

graduation he earned his law degree from the University of Michigan Law School, where he was an editor of the law review. Bob took an associate position with the Shearman & Sterling law firm in New York City in the field of major-securities litigation. He nurtured his passion for skiing during this time, on slopes in Vermont, Canada, Austria, and Switzerland.

In 1969, Bob moved on to Union Carbide, where he became chief litigation counsel, handling such high-profile cases as the Bhopal gas-release in India, and the multitude of asbestos workers' claims against his company. He retired from Union Carbide in 2001.

In the 1990s, Bob competed successfully in U.S. Ski Association Masters Slalom, Giant Slalom, and Super G races. He was a member of the Wolfpit Running Club in Ridgefield, Conn., and an avid cyclist.

Bob is survived by Liz, his wife of 47 years; his sister, Connie; children Christopher, Deborah, and Jennifer; and six grandchildren. We have sent condolences.



#### George W. Collins II '59

George died March 12, 2013, of complications from pneumonia and flu.

Born in Waukegan, Ill., George came to Princeton from

Waukegan Township High School. He had been preceded at Princeton by his grandfather, R.B. Jack 1894, and his brother, Jack '52. George's activities at Princeton included Whig-Clio, Chapel Choir, Glee Club, and University Band. He ate at Court Club.

A physics/astronomy major at Princeton, George received a Ph.D. in astronomy from the University of Wisconsin in 1962. He became an associate professor of astronomy at Ohio State University in 1963, and a full professor by 1971. In 1991, George left OSU as professor emeritus, moved to Chesterland in northeastern Ohio, and took a part-time position as adjunct professor in astronomy at Case Western Reserve.

For all his life George was an advocate of wilderness and outdoor activities. He organized Canadian wilderness canoe trips for the Boy Scouts, and received Scouting's esteemed Silver Beaver Award for his contributions to Scouting. He continued his interest in music with several choral groups, and took up the cause of global warming, on which he frequently lectured.

George was survived by Barbara, his wife of 51 years; and his children, Carol and Deirdre. We have sent condolences.

#### Harry K. Edenborough '59 \*61

We lost Kip Dec. 7, 2013, in San Francisco.

Kip was born in Denver and grew up in Amarillo, Texas, where he met his future bride, Susan Ann Slater. They both graduated from

Amarillo High School and, when Kip graduated from Princeton, they were married.

At Princeton, Kip majored in aeronautical engineering, belonged to the Flying Club, and wrote for the Princeton Engineer. He worked at Forrestal Research Center's Helicopter Laboratory, and dined at Dial Lodge.

Kip remained at Princeton following graduation, earning a master's degree in aeronautical engineering. He joined Bell Helicopter for research on tilt-rotor aircraft, a field in which he secured several patents and where he became chief engineer of Bell's tiltrotor project, the XV-15, overseeing its design, fabrication, and first flight.

In 1977, Kip moved on to NASA's Ames Research Center, serving in several high-level positions in the Rotorcraft Aerodynamics Branch. He retired in 1997. In 2003 the XV-15 was installed in the Smithsonian's Air and Space Museum, with Kip as an invited guest.

Kip enjoyed photography, studying the stock market, and travel. He is survived by his wife, Susan; children Christopher, Michael, and Laura; and several grandchildren. We have sent condolences.



#### Wayne Hall '59

Wayne died July 3, 2013. He had suffered from Parkinson's disease since 2003.

Born in Cleveland, Wayne prepared for Princeton at

Cincinnati Country Day School, where he played soccer, captained the tennis team, and edited the newspaper. He majored in the Woodrow Wilson School at Princeton, with an international affairs specialty, and was vice president of the Press Club. He had a great fondness for Court Club, where he took his meals.

After graduating magna cum laude and as a member of Phi Beta Kappa, Wayne received a master's degree in Russian studies at Harvard. He then entered the field of journalism with The Cincinnati Post and Times-Star, and entered the field of matrimony with Marsha Ashforth, whom he married in 1964.

Two years later Wayne moved to Washington, D.C., as a Russian analyst with the Library of Congress. In 1970 he moved to USIA, where he rose to chief editor of its Problems of Communism publication, a magazine of particular import to U.S. personnel behind the Iron Curtain. He retired from the State Department in 2002.

Fluent in Russian, Wayne also spoke Mandarin. An avid bridge player, he held the rank of Bronze Life Master.

He is survived by his wife, Marsha, and his son, Daniel, to whom the class sends sympathy.

#### Donald L. Teegarden '59

Don died July 24, 2013, in Salt Lake City, where his daughter, Porter, had been caring for



him. Don had suffered from schizophrenia almost his entire adult life.

Born in New York City, Don grew up in Berwyn, Pa. At nearby Episcopal Academy,

where he prepared for Princeton, Don was class valedictorian, chairman of the Student Fund, a member of the track team, and captain of the football team. At Princeton he played freshman football, varsity lacrosse, and wrestled on the varsity team. He was one of Ivy Club's members in the 21 Club.

After completion of his Army ROTC obligation, Don attended Columbia Law School. An avid skier, he found his way west and was admitted to the Colorado bar. He married "Bobbin," they had Porter, and at some point they divorced. Nevertheless, Bobbin remained a helpmate to Don throughout his life.

Friends and classmates Fred Brumbaugh, Dave McMullin, Ted Furlong, John Brittain, John Heyd, Fuller Torrey, to name a few, struggled to help him. In speaking with them, the tale is one of Don's drifting in and out of their lives.

For his last four years Don was at Alta Ridge Assisted Living in Sandy, Utah. Bobbin and Porter are his sole survivors.

#### THE CLASS OF 1963



### Francis C. Simons '63

Frank died June 11, 2013, from complications of diabetes. A chemist who lived for many years in Morris Plains and finally in Parsippany, N.J., he

devoted most of his career to scaling up pilot plants in the pharmaceuticals industry.

His last job was working for the State of New Jersey in computerizing the record-keeping systems of its parole department. In retirement he was a volunteer at Morristown Medical Center, where a colleague remembers him as "a wonderful man."

A graduate of Pingry School, Frank majored in chemistry and sang in the Glee Club and Chapel Choir. He joined Terrace Club and the Woodrow Wilson Society. After college he earned a master's degree in teaching.

He is survived by a son, Everett; a daughter, Margo Sharp; and grandchildren James, Jessica, and Laura Simons, and Ted, Maggie, Arielle, Tom, and Julia Sharp. To them all, the class extends its sympathy.

#### THE CLASS OF 1964

#### Frederic W. Constant '64

Fred Constant, one of the Class of 1964's most enthusiastic supporters, lost his long battle with cancer March 26, 2014.

Fred came to Princeton from Deerfield Academy, wrote his religion-department thesis



on Congregational architecture in New England, and was active with WPRB and the ski club. During his junior and senior years he roomed with Rob Snedeker in Campbell Hall.

Shortly after earning an MBA from Columbia, Fred launched a long and successful career in broadcasting. He owned and operated several radio groups, including stations in Hartford, Honolulu, Portland (Ore.), Eugene, Boise, Santa Fe, Reno, and Santa Rosa (Calif.).

In the early 1990s, Fred and Mary, his wife of 32 years, acquired a century-old vineyard in northern Napa Valley. Over the next two decades they developed this historic Diamond Mountain property into a critically acclaimed producer of estate-grown and bottled cabernet sauvignon, cabernet franc, merlot, and syrah.

They also undertook the restoration of the property's 1890 farmhouse, and in 2001 completed a new mountaintop residence, aptly called The Peak. It was here that many classmates and other Princetonians enjoyed their hospitality during mini-reunions and other gatherings.

The class extends its deepest sympathy to Mary; Fred's son, Charles; and other family members.



football center.

#### William F. Crozier '64 \*65

Bill died Feb. 9, 2014, in Phoenix, Ariz., after a long battle with Alzheimer's disease. He grew up in Omaha, Neb.,

and attended Benson High School, where he achieved All-City honors as a

Bill came to Princeton with Benson classmates Dwayne Jelinek and Tim Newens, rooming with them freshman year in Brown Hall. Bill joined Tim as a civil engineering major and also received his master's degree in structural engineering at Princeton. Bill was a member of Cloister Inn, where he served as athletic director, and was on the senior board of the IAA.

After Princeton, he moved to California, spending three years in the aerospace industry in Los Angeles. In 1968 he began a long career with the California Department of Transportation, where he served as senior engineer responsible for fabrication, repair, and rehabilitation of steel bridges. Bill did volunteer work for the National Academy of Science and the American Society of Welding. Always the athlete, his favorite leisure activity was bicycle touring with friends in Sacramento, especially riding thousands of miles to raise funds for the American Lung Association.

His brother, Charles R. Crozier, and his sister, Merrie Courtright, survive him. The class extends its condolences for their loss.

#### **THE CLASS OF 1965**



Norman C. Bensley '65 Norm died Oct. 28, 2013, after a multi-year battle with cancer. Born in New York City, he attended Fieldston, playing varsity golf for three years,

although the acme of his golf career involved winning the "closest to the hole" contest at our 40th reunion with a hole in one. With typical modesty, he watched the ball disappear, turned to his partners and said, "What happened?"

Norm majored in history and took his meals at Terrace, where he joined his childhood and lifelong friend Carl Heimowitz '64. He received a master's degree in history from the London School of Economics, a law degree from Columbia, and master of laws in taxation from NYU. A member of several prominent New York and Washington, D.C., law firms, he specialized in tax and lobbying, also serving as chief tax counsel for New York Life. A deeply loyal Princetonian, he worked for Annual Giving and attended most of our major and off-year reunions.

Norm and his former wife, Robbie Weicher, had two children, Rachel and Adam, who survive him, as does his sister, Francine Friedman, who cared for him a long while before his death, and six grandchildren. To his family and the many friends he kept over the years with his good-natured unflappability and quiet sense of the absurd in all its manifestations, the class sends its sympathy on his passing.

#### THE CLASS OF 1966



#### Eric H.M. Lee '66

Eric died March 31, 2014, from complications following a stroke, eight days short of his 70th birthday.

Eric graduated from

Iolani High School in Honolulu. At Princeton he majored in history, belonged to Young Democrats and Orange Key, and was elected to Phi Beta Kappa. He graduated from Harvard Law School.

Eric began his career as an aide to Sen. Daniel Inouye, working for the Committee on Commerce, Science, and Transportation. He then became counsel to the Subcommittee on Foreign Trade and Tourism and finally served as the senator's legislative director.

Joining AT&T, Eric served in its Regulatory Affairs Division, as public-policy director of AT&T International, and in the AT&T Governmental Affairs Division. Upon leaving AT&T he became public-policy director of the Commercial Internet Exchange Association. Most recently he headed Lee and Associates, a Washington telecommunicationsconsulting firm.

Eric was a man of wide-ranging interests

and accomplishments. He played a major role in developing the Telecommunications Act of 1996. He was an active supporter of gay rights and arts organizations and was a trustee of the S.S. United States Trust.

The class extends its sympathy to Eric's mother, Mavis Lee; sisters Brenda and Terri Lee; his brother, Earl Lee; and his nieces.

#### THE CLASS OF 1968



Ralph R. Hovnanian '68 Hoot died May 22, 2013, in Evanston, Ill., after an extended illness. He was 66.

He prepared at Evanston Township High School, where

he excelled in AP mathematics and sciences and played interscholastic soccer. At Princeton, Hoot majored in engineering, graduating cum laude in the mechanical sciences and aerospace programs. Junior and senior years he lived in Henry and ate independently.

Hoot earned a master's degree from Stanford, followed by several years in Silicon Valley in the microchip industry. In the '80s, Hoot turned to the field in which he is remembered as a pioneer. He authored a seminal study of alternative cancer treatments, which offered critical analyses and inspired more recent writers. He became revered by members of that community.

Hoot had a great sense of humor and enjoyed being alive. His wish was to make this world a better place. To family, friends, and classmates, he was an exceptional personage - distinctive and memorable. No one else was even remotely like him.

Hoot is survived by his mother, Arpine; his older brother, Phil; and his younger sister, Arda. To them, the class extends deepest sympathy.



#### David R. Knapton '68 \*71

Dave died March 25, 2014, from severe sepsis. He was 68.

Born in Providence, R.I., he prepared at Andover, where he was active in music and

track. At Princeton, he majored in art and archaeology. He fenced his freshman year and participated in choir and orchestra. He was vice president of Terrace and lived at the club his senior year. Dave earned a master of fine arts degree from Princeton in 1971. He was also a longtime Terrace grad board member.

After leaving Princeton he was an instructor in the fine arts department at Temple University's Tyler School of Art. He was a city planner with the Philadelphia City Planning Commission for 30 years. He retired in August 2010 as a senior planner.

Dave was predeceased by his parents and siblings. He is survived by his partner of more than 30 years, Michael Stemmeler. To him, the class extends deepest sympathy.

#### PRINCETONIANS / MEMORIALS



#### Edwin M. Sykes III '68

Ed died March 23, 2014, in San Angelo, Texas, from Alzheimer's disease. He was 67. Born in Detroit, he graduated from Alamo Heights

(Texas) High School, where he was president of the senior class and a member of the varsity football team. Ed was an All-State and All-American swimmer and still holds records at Alamo Heights. At Princeton, he majored in history and ate at Ivy. He founded and served as the first president of the Princeton Business Society.

After Princeton, Ed served in the Army Reserve. Ed's career in residential and commercial real-estate development started in San Antonio and spanned Central Texas. He also managed his family ranch near San Angelo.

Ed was predeceased by his parents and a brother. He is survived by his former wife, Linda Moody; daughters Sally S. Brainard, Elizabeth S. Rains, and Mary M. Sykes; son Edwin M. Sykes IV; three grandchildren; siblings Anne S. Reese, Mellick T. Sykes Sr. '71, and Andrew G. Sykes; an uncle, John J. Sykes; and numerous cousins, nieces, and nephews. To them, the class extends deepest sympathy.

#### THE CLASS OF 1974



#### Maurya Meenan '74

Maurya Meenan died Feb. 11, 2014, after a long battle with cancer. She remained cheerful and optimistic right until the end.

Maurya came to Princeton from Casper, Wyo., as a presidential scholar. A founding member of the women's crew, Maurya rowed in the first PUWC championship boat at the Eastern Athletic Association Championships in 1972.

Maurya took a leave-of-absence from Princeton in 1973. A history major, she completed class work with the Class of '75, but chose to remain affiliated with '74. Maurya loved all things Princeton and attended many class and rowing reunions.

After Princeton, Maurya held varied jobs, including a heavy-equipment operator in a Wyoming uranium mine. She ultimately landed in Boston and began a career in health-care information systems with IDX Corp., then eScription, a pioneer in voice-activated medical transcription. Maurya continued as director of installations after eScription was purchased by Nuance Corp.

In Boston, in 1983, Maurya met the love of her life, Deb Wishner. They were legally married in June 2004.

The classes of '74 and '75 join in extending sympathy to Deb; Maurya's mother, Shirley Meenan; and Maurya's siblings, nieces, nephews, and in-laws.

#### THE CLASS OF 1976



#### Valery L. Morris '76

Valery Morris died unexpectedly of a heart attack May 2, 2014 at home in Chappaqua, N.Y. Raised in New Jersey, she

graduated from New Milford High School. At Princeton, Valery studied biochemistry and graduated magna cum laude. She managed the marching band, assisted at The Daily Princetonian, and socialized at Dial Lodge and Charter Club. In 1980, Valery earned a medical degree from Columbia University and began her pediatric residency at Texas Children's Hospital. She married Stuart Schaffer and settled in New York.

For more than 20 years, Valery practiced pediatric medicine in Dutchess and Westchester counties, N.Y., while publishing academic research on lead poisoning. In 2005, Valery decided to change careers to chemistry education and obtained a master's degree from Hunter College. She became an assistant professor at Queens College, where she also had a laboratory researching the antioxidant resveratrol.

Valery was a wonderful artist and received a certificate in botanical drawing from the Bronx Botanical Garden. Her home is filled with watercolor paintings and drawings of flowers and plants. She also enjoyed running, biking, and swimming.

The class officers extend sympathy to Stuart; children Kira and Keith; and Valery's sisters, Marjory Selig and Emily Goldman s'77.

#### **GRADUATE ALUMNI**

#### Willis H. Ware \*51

Willis Ware, a computer pioneer who predicted universal computer usage and forewarned of current privacy concerns, died Nov. 22, 2013. He was 93.

Ware received a bachelor's degree in electrical engineering from Penn in 1941 and a master's degree in electrical engineering from MIT in 1942. He then joined the Hazeltine Corp. and worked on classified radar-detection tools. This led John von Neumann in 1946 to recruit Ware to help him build a computer at the Institute for Advanced Study in Princeton.

While working at the Institute, Ware earned a Ph.D. in electrical engineering from Princeton in 1951. In 1952, he went to the Rand Corp. and worked there for more than 55 years. But he probably will be best known for his predictions that computer-data collection will invade the public's privacy.

Ware foresaw the effects of hackers, business mining of personal information, and NSA's obtaining private communication. One of the three high-level federal committees he chaired made recommendations adopted in the federal Privacy Act of 1974. Although what he foresaw eventually came true, Ware did not become bitter or despondent, according to his daughter, Alison. "He was problem-oriented - he looked at a problem and took on the challenge of examining it."

He is survived by three children; two granddaughters; and a great-grandson.

#### George R. Bent Jr. \*54

George Bent, a successful businessman who had initially been a CARE administrator, died Sept. 17, 2013. He was 85.

After two years working for the American Friends Service Committee bringing relief to war-torn Europe, Bent entered Oberlin College in 1948 and graduated in 1952. In 1954, he earned an M.P.A. from Princeton's Woodrow Wilson School. He then joined CARE in South Korea. In 1957, he developed self-help programs in Egypt, Pakistan, and South Korea, after which he returned to the United

That year, he began his business career. From 1958 to 1963, he was a business manager with Aero-Chem in Princeton. In 1963 he joined the Pfaudler Co., where he was president from 1976 to 1980. He next was manager of the robotics division of Nordson Corp. from 1980 to 1982. He was president of Ceilcote Co. in Berea, Ohio, from 1982 until retiring in 1988.

Bent served on the Oberlin College Board of Trustees for 30 years, including as chair from 1987 to 1992. In 1991, he received Oberlin's prestigious Alumni Award.

His extended family of survivors includes his wife, Ruth, and a son. Ruth described her husband as a real treat; he made her laugh every day.

#### Robert W. Detenbeck \*62

Robert Detenbeck, retired professor of physics at the University of Vermont, died Aug. 8, 2013, at the age of 80.

He received a bachelor's degree in physics from the University of Rochester in 1954, and earned a Ph.D., also in physics, from Princeton

Detenbeck's research field was experimental physics, which he pursued at the University of Maryland for eight years, and then at the University of Vermont until he retired in 1995.

Detenbeck greatly loved teaching, and this was recognized with a teaching award from Maryland, and, in 1995, with the George V. Kidder Outstanding Faculty Award from Vermont.

He is survived by Jeanne, his wife of 59 years; two daughters; and two grandchildren.

This issue has undergraduate memorials for Harry K. Edenborough '59 \*61, William F. Crozier '64 \*65, and David R. Knapton '68 \*71.

Graduate memorials are prepared by the APGA.

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Paris, Marais: Elegant, 2 bedroom, 2 bath apartment, vibrant Pompidou museum/ sidewalk café quarter on 13c pedestrian street, full kitchen, w/d, AC, cable. desaix@verizon.net, 212-473-9472.

Florence Country house on 54 mountain acres. Fantastic views. \$120/day. www. ganzitalianhouse.com E-mail: gganz@ comcast.net

Rome Historic Center: 2-4 bedrooms. Elegant and spacious. All modern conveniences, including Wi-Fi. 503.227.1600; tkim@stollberne.com

Paris: Ile St. Louis, elegant top-floor apartment, elevator, updated, wellappointed, gorgeous view. Sleeps 4, maid 3x week. WiFi, TV etc. Inquiries triff@ mindspring.com, 678-232-8444.

France, Paris-Marais: Exquisite, sunny, quiet one-bedroom apartment behind Place des Vosges. King-size bed, living/ dining room, six chairs, full kitchen, washer, dryer, weekly maid service, WiFi, \$1350 weekly. max@gwu.edu

Central apartments in Saint Petersburg, Buenos Aires, Bulgaria, Princeton, Miami. japter@princeton.edu

Italy/Todi: Luxurious 8BR, 7.5BA villa, amazing views, infinity pool, olives, lavender, grapes, vegetable garden, daily cleaner, WiFi. For photos/prices/ availability: VRBO.com, #398660. Discount Princeton affiliates. 914-320-2865. MarilynGasparini@aol.com, p'11.

Paris, Tuileries Gardens: Beautifullyappointed, spacious, 1BR queen, 6th floor, elevator, concierge. karin.demorest@ gmail.com

Villas in Tuscany: Luxury self-catering & full staff villas with A/C in Tuscany for rent, www.tuscandream.com, 310-859-3494.

- ♦ France/Provence: Charming hilltop
- village of Venasque near Avignon.
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- apartments. Courtyard and rooftop
- terraces. Sensational views. \$850-
- \$1,500 per week. See www.chezkubik.
- com, lilypadinc@aol.com,
- 413-274-6839.



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Cortona, Italy: 1700's restored Farmhouse, 80 acres — Tuscany/Umbria border. 4BR, 3BA, pool, guest house. lcbcgeorgebayntun@yahoo.co.uk, 941-964-2292. k'60.

#### Caribbean

USVI, St. John: Extraordinary hillside home overlooking Rendezvous Bay. 4 BR, 4 Baths. Pool. Wrap terracing. Amazing 180 degree ocean views. ootb10@gmail. com, k'04, '08.

#### **United States Northeast**

Waitsfield, VT: 6BR, 3BA, fireplace. Spectacular golf, riding, tennis, biking, hiking. MadRiver swimming. 2 day minimum. 978-922-6903, '51

Wellfleet: 4 bedroom beachfront cottage with spectacular views overlooking Cape Cod National Seashore. 609-921-0809 or warrenst@aol.com

**Stone Harbor, NJ:** On beach, upscale. 570-287-7191.

E-mail: radams150@aol.com

Castine, Maine: 18th century house in quaint coastal village, 4BR, 3BA, www. lowderhouse.com

#### **United States SouthEast**

Naples, FL: Renovated 2BR, 2BA condo, sleeps 4. Walk to beach/town. bksuomi@ gmail.com

Hobe Sound, FL: Enjoy 'Brigadoon by the Sea!' 3BR/3BA home, pool, jacuzzi, bike to Jupiter Island. \$3,300/month, 540-661-0068, k'50.

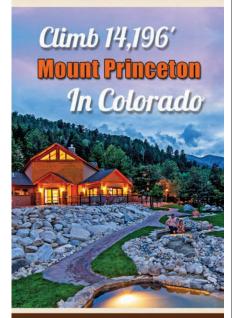
#### **United States West**

Big Sky Montana: Charming 4 BR log home on 20 acres beautifully furnished, spectacular views, Big Sky sunsets, skiing, hiking, fishing and golfing within 5 minutes. Close to Yellowstone National Park and Bozeman. Enjoyment all 4 seasons. 610-225-3286. jgriffi644@aol. com, s'67.

Portland, Oregon: Gorgeous Pearl District loft for rent by the day, week, or month https://www.airbnb.com/ rooms/1399503, Kristen Rainey '97, rainey@alumni.princeton.edu

Santa Fe, NM: 4BR, 3½BA vacation home, gorgeous décor, 3,250 sq. ft. SW style, A/C, large FR, patio/fenced yard pets ok, enclosed decks, arroyo view, privacy, short or long term, 818-257-0508, '69.

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Park City, Utah: Stunning, 7BR house with separate apartment. Sleeps 20, hot tub fits 15! Canyons Resort ski-in, ski-out home — convenient access to renowned Alta and Snowbird resorts, 10 minutes to Park City. Enjoy all four seasons! colony. skigetaway@gmail.com, '89.

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Private Communities Registry: Take a self-guided tour of the top vacation, retirement and golf communities. Visit: www.PrivateCommunities.com

Arizona: Scottsdale, Paradise Valley, Phoenix and Carefree. Houses, condos and lots. Rox Stewart '63, Russ Lyon Sotheby's International Realty. 602-316-6504. E-mail: rox.stewart@russlyon.com

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Contact Ellen Mulligan, 603-387-0369, elleMulligan@metrocast.net Coldwell Banker RB, 603-253-4345

Private Sale — Naples, FL: Designer home in the exclusive Knightsbridge estates of Kensington G&CC. 4BR, 3.5BA, separate master suite/bath including his/ hers w.c., library, open kitchen, FR, DR, LR, large spa -pool terrace, outdoor kitchen. Gated, on secluded site with expansive tropical views of lake/golf

course. Offered at \$1.4 million. Email Jelson1@comcast.net, 239-272-8352, w'46, p'72.

PRINCETON: Connect with a Specialist. Work with the agent who knows Princeton — the Real Estate market, the University and the Town. Marilyn "Lynne" Durkee, P'93, P'96, P'99. Callaway Henderson Sotheby's International Realty. Contact Lynne at **609-462-4292**. lynne.d.v@gmail.com

Trout Run: 5 bedroom, 4 bath log cabin. \$625,000, Blowing Rock, NC. Email: ashwink@bellsouth.net, '88.

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#### Flying Saucers at Forrestal

W. Barksdale Maynard '88

It's strange to recall, but at the height of the Cold War the University had its own airport at the Forrestal campus where faculty scientists tested experimental flying vehicles, in collaboration with the U.S. Army.

Our flying saucers weren't intended for the space race — they rose just four inches off the grass. Yet such floating "ground-effect" vehicles seemed to promise a transportation revolution in 1959, the year a pioneering hovercraft first crossed the English Channel.

The Air Scooter, announced in September of that year, was the brainchild of legendary aeronautical engineering professor Courtland Perkins, a World War II expert on the control of aircraft and

a daring pilot. He and researcher Tom Sweeney dreamed of an airplane that could touch down anywhere — with no landing gear and that soldiers could fly without training, steering it just by shifting their weight around.

As a first step toward such a "body-control" craft, the Air Scooter's driver sat on a bicycle seat and grasped handlebars. A gas engine taken from a chainsaw blasted a cushion of air beneath the aluminum-andfabric body, allowing the Air Scooter to glide over the fields at 15 miles per hour.

Upon its debut, the odd machine garnered much press, with one reporter saying that "guiding this beast is like steering wet Jell-O

around a plate." Drawbacks were obvious: its deafening roar and wobbling in the wind.

Princeton built a few more hovercraft into the 1960s and even planned — but never produced — a floating wheelbarrow for construction workers. The P-GEM Flying Doughnut, resembling a B-movie Martian spacecraft, was 20 feet across and powered by two engines. Motorists stared when a similar device glided across Route 1 to spray a potato crop.

Not long after, these colorful experiments ceased. Princeton's surviving crafts went to museums, footnotes to a creative postwar era better known for helicopters, iets, and rockets. •

VIDEO: Air Scooter demo at paw.princeton.edu





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