

SEEKING VIEWS
ON WILSON'S LEGACY

A MUSEUM FOR
SCOTT AND ZELDA

ALUMNI DAY
2016

PRINCETON ALUMNI WEEKLY

DROUGHT

Jay Famiglietti '92 warns
that we need to change our
ways — and fast



MARCH 16, 2016
PAW.PRINCETON.EDU



PRINCETON VARSITY CLUB

Achieve. Serve. Lead.

"My global perspective on education, standard of living and overall culture has dramatically changed. Without Coach for College, I'm not sure I would have ever had the chance to engross myself in a third-world country in this hands-on way."

- Kat Gebert '15 (rowing) - 2013 participant



COACH FOR COLLEGE

"a commitment to service"

Since the summer of 2013, the Princeton Varsity Club has provided funding for 15 varsity student-athletes to participate in Coach for College, a service learning program that brings together American student-athletes and Vietnamese university students to teach academics, sports and life skills at summer camps to disadvantaged children in rural Vietnam. Thank you to all of our Princeton Varsity Club members whose support provides opportunities for over 1,000 varsity student-athletes to achieve, to serve and to lead.

To learn more about the Princeton Varsity Club, or to become a member, please visit www.PrincetonVarsityClub.org.

PRINCETON ALUMNI WEEKLY

An editorially independent magazine by alumni for alumni since 1900



PRESIDENT'S PAGE	2
INBOX	3
FROM THE EDITOR	4
ON THE CAMPUS	9
Feedback on Wilson-naming question ♦ Princeton meets Broadway ♦ Strategic planning: Graduate School, sponsored research ♦ SPORTS: Ivy championship for women's hockey ♦ Men's basketball ♦ Sports shorts	
LIFE OF THE MIND	15
A map of the universe ♦ New telescope could provide revolutionary insights ♦ Q&A: Hispanic voters, and how they might influence the presidential election	
PRINCETONIANS	27
Jacob Weiss '03, juggler ♦ Alumni Day ♦ Q&A with Woodrow Wilson Award winner Gen. Mark Milley '80	
CLASS NOTES	30
MEMORIALS	48
CLASSIFIEDS	53
THAT WAS THEN	56



Jay Famiglietti '92 stands on a dry fountain at the Jet Propulsion Laboratory in Pasadena, Calif., page 18

In a Dry Country
Jay Famiglietti '92 uses satellite data to chronicle our depleting aquifers. And he's sounding an alarm.
By Mark F. Bernstein '83

18 A Museum for Scott and Zelda **24**
In an Alabama house where the Fitzgeralds once lived, Julian McPhillips '68 helped to create a museum.
By W. Barksdale Maynard '88

PAW.PRINCETON.EDU



Aaron Burr Sr.

Second Fiddle
While Aaron Burr Jr. 1772 takes a villainous star turn on Broadway, history columnist Gregg Lange '70 finds an interesting story in the other Burr — Aaron Burr Sr., Princeton's second president.



Sports Updates
Read postseason news about the Tigers' winter teams.

Share Your Story
PAW will be recording oral history interviews at Reunions 2016. If you're interested in scheduling an appointment, visit paw.princeton.edu and look for the "Share Your Story" link.

Top: Steve Anderson; from left: Wikipedia; Beverly Schaefer

On the cover: Jay Famiglietti '92 kicks up dust in the Arroyo Seco, a dry riverbed next to the Jet Propulsion Laboratory in Pasadena, Calif., where he works. Photograph by Steve Anderson

Invest in Opportunity

Former Congressman Mickey Edwards, who taught for several years in the Woodrow Wilson School, presides over the Aspen Institute's Rodel Fellows program. The program brings together up-and-coming office-holders from both parties for seminars designed to bridge partisan differences. At Mickey's invitation, I addressed a reunion of Rodel Fellows in November. Mickey challenged the speakers to share a non-partisan vision for America's future. I thought that you might be interested in seeing an abbreviated version of my remarks; the full speech appears at www.princeton.edu/president/eisgruber/speeches-writings/archive/index.xml?id=15755.

Shared projects have helped to forge the identity of the American people throughout our history, and tonight I want to urge upon you a shared project. I want to urge you to make a long-term investment in opportunity, and in our children's shared future.

Let me begin by emphasizing the idea of "investment." Investments are designed to have a return. You judge investments by their returns, and if you have the freedom and the self-discipline to do so, you judge them by their long-term returns.

Investing wisely is a way to maximize the value of resources. I know that those of you in this room, and the people in this country, disagree about the desirability of



President Eisgruber delivering a talk at a reunion of the Aspen Institute's Rodel Fellows.

government spending. Investing, however, is a special kind of spending. Indeed, we all know from both personal and political experience that we have to limit some spending on the present if we want to have capital to invest for the future.

This country's greatness has always depended upon our willingness to invest for the long term, and our future depends on our ability to do so again. We must invest in highways and bridges, in hospitals and vaccines, in the power grid, and in the military that keeps our nation and the free world secure. We must invest in schools and in research. We must make investments that allow the individuals, families, and communities of this country to leverage their talent and hard work, and so to magnify the returns that they can produce for themselves and for society.

You know more than I do about highways, bridges, and the power grid. I am not going to say anything further about them. You will not be surprised, I suspect, that I want to say some things about education and, in particular, about universities. I do not intend to talk to you about private universities like my own, or about the need for research funding—though I will be more than happy to bend your ears about those topics on another occasion. I want instead to speak about what should be one of the nation's most serious concerns today, which is the fate of the great public research universities in all of your states.

America's flagship public universities are engines of opportunity and drivers of social mobility. They have been admired worldwide, and they have attracted new talent to our shores for generations. If we allow these universities to deteriorate, we will squander an irreplaceable heritage. There is no way that private universities or the private sector more generally can replace what the great public universities do for this country.

Unfortunately, public universities are being asked to do more and more with less and less. Enrollments have increased, and government funding has decreased.

I said earlier that the way to judge an investment is by its return. Education is an investment, and the return is extraordinary. The Federal Reserve Bank of New York estimates the annual return from a four-year college degree today at 15 percent—that number, 15 percent, is the average return across all four-year degrees in all fields from all colleges. The wage premium from a four-year college degree is as high or higher today than it has ever been. And if we add in the non-financial benefits of a college education, the real returns are even higher.

Now, of course, good investments are efficient investments. If we can reduce the price of an investment and generate an equally good return, it becomes a better investment. All universities, including my own, need to look for ways to pursue our missions more efficiently. But efficient education is not the same thing as cheap education.

One of the best ways to increase the efficiency of investment in higher education is to increase completion rates. College degrees produce a high economic return; incomplete coursework does not. But increasing completion rates may require more investment. If public universities lack the resources to staff courses properly, students take longer to graduate, drop-out rates increase, and the return on public investment diminishes.

We must be courageous enough to invest in opportunity, to invest for the long term, to invest in the shared future of all our children. This country has never been simply about what the individual can do, or about what the government can do. From the moment of this country's founding, Americans have made it their shared project to invest together in opportunity. That basic commitment—the commitment to invest in opportunity—remains vital and alive today. It is a commitment that all of us inherit from our past, and I hope all of you will embrace it as part of our future.

ZF FILMS

PRINCETON ALUMNI WEEKLY

An editorially independent magazine by alumni for alumni since 1900

March 16, 2016 Volume 116, Number 9

Editor

Marilyn H. Marks *86

Managing Editor

W. Raymond Ollwerther '71

Associate Editor

Jennifer Altmann

Digital Editor, Sports Editor

Brett Tomlinson

Class Notes Editor

Fran Hulette

Senior Writer

Mark F. Bernstein '83

Writer, Memorials Editor

Allie Wenner

Art Director

Marianne Nelson

Publisher

Nancy S. MacMillan p'97

Advertising Director

Colleen Finnegan

Student Interns

Quentin F. Becheau '17; Juliette Hackett '17;

Megan Laubach '18; Will Plunkett '16;

Christopher Ratsimbazafy-Da Silva '19;

Nina Sheridan '19

Proofreader

Joseph Bakes

Webmaster

River Graphics

PAW Board

Sandra Sobieraj Westfall '89, Chair

Carmen Drahl *07, Vice Chair

Joel Achenbach '82

James Blue '91

*Robert K. Durkee '69

Daniel R. Fuchs '91

Michael Graziano '89 *96

*Sara M. Judge '82

*Maria Carreras Kourepenos '85

*Margaret Moore Miller '80

Charles Swift '88

*ex officio

Allie Weiss '13

Young-alumni representative

Local Advertising/Classifieds

Colleen Finnegan

Phone 609-258-4886, cfinnega@princeton.edu

Ivy League Magazine Network

www.ivymags.com

Heather Wedlake, Director of Operations

heatherwedlake@ivymags.com, 617-319-0995

Princeton Alumni Weekly (I.S.S.N. 0149-9270) is an editorially independent, nonprofit magazine supported by class subscriptions, paid advertising, and a University subsidy. Its purpose is to report with impartiality news of the alumni, the administration, the faculty, and the student body of Princeton University. The views expressed in the *Princeton Alumni Weekly* do not necessarily represent official positions of the University. The magazine is published twice monthly in October, March, and April; monthly in September, November, December, January, February, May, June, and July; plus a supplemental Reunions Guide in May/June.

Princeton Alumni Weekly, 194 Nassau Street, Suite 38, Princeton, NJ 08542. Tel 609-258-4885; fax 609-258-2247; email paw@princeton.edu; website paw.princeton.edu.

Printed by Fry Communications Inc. in Mechanicsburg, Pa. Annual subscriptions \$22 (\$26 outside the U.S.), single copies \$2. All orders must be paid in advance. Copyright © 2016 the Trustees of Princeton University. All rights reserved. Reproduction in whole or in part without permission is prohibited. Periodicals postage paid at Princeton, N.J., and at additional mailing offices.

Postmaster: Send Form 3579 (address changes) to PAW Address Changes, 194 Nassau Street, Suite 38, Princeton, NJ 08542.

YOUR VIEWS ♦ WILSON'S LEGACY ♦ NO MORE 'MASTERS'

Inbox

RETHINKING WILSON

Re "Wilson Revisited" (feature, Feb. 3): Truth-telling has cathartic value. Please keep the stories like this coming. It can help America and Princeton achieve a much-needed measure of racial reconciliation and healing.

Gloria Cousar *74
Reston, Va.

I was pleased to read PAW's mention of William Monroe Trotter's White House meeting with President Woodrow Wilson 1879. Because of his vigorous protests of Wilson's allowing segregation of several federal offices, Trotter was ejected. Trotter has been a hero of mine since he was the subject of my 1958 senior thesis. Critics of Wilson's racism should appreciate how this African American 1895 Harvard graduate fought a valiant real-time battle with Wilson in 1914.

Charles Puttkammer '58
Mackinac Island, Mich.

Editor's note: For additional letters and comments on the debate over Woodrow Wilson's legacy, go to <http://bit.ly/PAWupdates>.

JUDICIAL NOMINATION

Recently I attended a very enjoyable Chinese New Year dinner organized by the Princeton Club of Philadelphia. We agreed that my classmate Judge Denny Chin '75 is the obvious choice to join Justices Samuel Alito '72, Sonia Sotomayor '76, and Elena

FROM PAW'S PAGES: 10/17/23

ORANJE BOVEN!
Editor, the Alumni Weekly: We surely feel at home in Cleveland. Clipping is from Columbus (Ohio) State Journal of September 10, 1923: "Cleveland, Sept. 9.—Mayor Kohler, who has had most of the city property painted orange and black has ordered that the 14,000 fire plugs in the city be painted the same colors."
Yours truly,
MacCAULEY '04.

Kagan '81 on the Supreme Court.

Jon Arnon '75
Merion Station, Pa.

RESEARCH CHALLENGE

While I am an engineer/businessperson and certainly not an ethicist, am I the only one troubled by the morality, even legality, of a professor sending out 8,000 fake résumés (Life of the Mind, Feb. 3) to corporations in the pursuit of his research? The results are certainly interesting, possibly even important, but assuming that only half of the résumés were even looked at, and those for only 10 minutes each, the cost to the recipient companies was about \$70,000. Were those same companies to have sent out 8,000 fraudulent job offers or advertisements, I cannot imagine PAW publishing the results without at least questioning the ethical if not legal basis of such actions.

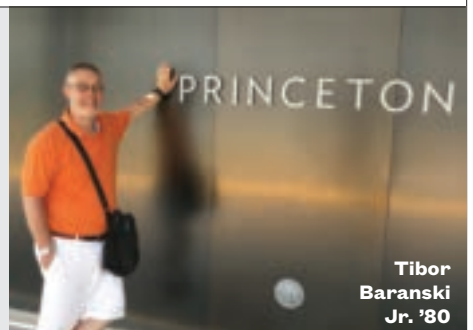
What am I missing?

Norman R. Augustine '57 *59
Potomac, Md.

PAW TRACKS



CITIZEN OF THE WORLD: For Tibor Baranski Jr. '80, coming to Princeton was part of a remarkable journey. Baranski, whose family emigrated from Hungary, developed a love of Asian languages and cultures as a teen and continued his studies in college. Listen to his story at paw.princeton.edu.



Tibor Baranski Jr. '80

FROM THE EDITOR

Coming Together

As President Eisgruber '83 noted at the Alumni Day luncheon, the annual event was especially welcome this year, coming at a time when polarization seems to mark our relations and discussions with each other.

This also applies to Princeton, in the midst of a fierce debate about the racial environment on campus and how the University ought to memorialize Woodrow Wilson 1879. Some alumni, arriving early, attended a forum with members of the trustee committee that will make recommendations on the Wilson issue (see page 10); a few remarked privately that the tension they felt at the meeting made it difficult for them to express their opinions. But the next day, Alumni Day celebrated what Princetonians have in common. The Chapel served as the day's unifier, its Service of Remembrance honoring people from all corners of the University.

"We live in challenging times, and this alumni body's commitment to service, to learning, to civility, and to reflection is urgently needed," Eisgruber said at the luncheon. The day's honorees exemplify those values, he said. Among them was Gen. Mark Milley '80 — receiving the award named for Wilson himself. "I don't know what Woodrow Wilson believed," he told the group, "but I know what I believe" — the values of the Constitution. That seemed to be something everyone could agree on.



We are sad to report that Cara McCollum '15, a PAW columnist as a student, died Feb. 22, a week after she was injured in a car crash. She was 24 and a news anchor at a New Jersey television station. Cara, who represented New Jersey in the Miss America pageant, was a woman of warmth and many talents. — *Marilyn H. Marks '86*

GRAD SCHOOL PIONEER

PAW is incorrect about the beginning of coeducation at Princeton (That Was Then, Jan. 13). The first woman to matriculate was Sabra Meservey *64 *66 in 1961. The following year, eight more women were accepted to doctoral programs at the University. I was one of them.

I applied to Princeton despite the "male-only" student body because of my interest in the work of Colin S. Pittendrigh. His lab was studying circadian rhythms, and that was the topic of my senior project. My thesis adviser at Bard College was George Hooper *56, a student of Dr. Pittendrigh. He suggested I apply.

To my great surprise, I was admitted. The academic program was stimulating, but it was a lonely experience for a woman. In most graduate environments, lack of communal housing, meals, and meeting areas is typical and not an issue because multiple women in a single department form their own social and support circles. At Princeton, however, the women were spread throughout the University and for the most part were not acquainted with one another. While my male peers were easy to work with, when it came to "hanging out," they were involved with their own buddies, clubs, girlfriends, and living arrangements.

I earned a fellowship for my second year, but left at the end without completing my degree. The two women I knew also left early, and I never heard how the other women fared. I regretted not finishing my degree — not so much for myself, because I was not cut out to be a scientist, but because I felt it might impact negatively on future female applicants.

Linda Garfinkle Edmunds *64
Atlanta, Ga.

*Editor's note: Past issues of PAW include coverage of Sabra Meservey *64 *66, who describes her Princeton experiences in this video: <http://bit.ly/GradAlumVideo>.*

RECALLING GILLISPIE

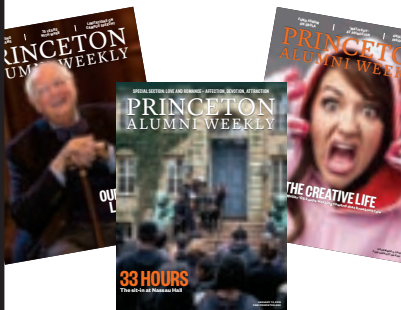
I was sorry to learn of the death of Professor Charles C. Gillispie (On the Campus, Nov. 11). In 1966, he was my preceptor in his "History of Science" course based on his seminal book, *The Edge of Objectivity*. I wrote a term paper in

If you like reading PAW, consider working here!

PAW is searching for a talented and energetic editor/writer to oversee two of our most important coverage areas: alumni and research.

To apply, visit:
jobs.princeton.edu/applicants/Central?quickFind=68097

Questions?
Email paw@princeton.edu



Reunions AA Haven

Alumni and their families are welcome at

Open AA Meeting

Frist Campus Center,
Multipurpose Room A
Friday & Saturday
May 27 & 28, 5 pm - 6:30 pm

AA Haven

Feel free to drop by the AA Haven for fellowship from 7 pm - Midnight
Frist Campus Center,
Class of 1952 Room.



which I ascribed a certain scientific idea to Descartes. When the graded paper was returned, I saw that he had written in the margin next to that paragraph this succinct note in colored pen: "Not in Descartes." I was floored. Of course he was right, but the enormity of those three words have stayed with me. My professor was sufficiently familiar with all the works of Descartes that he could tell me offhandedly that a particular idea did not appear in any of them! A few years ago, when he was 95, we had some correspondence, and he was as gracious and brilliant as always.

Michael I. Shamos '68
Pittsburgh, Pa.

LEGAL TACTICS QUESTIONED

NJ.com reported Jan. 11 that a federal district judge denied, for the case's discovery phase, a motion by Princeton to force a student suing the University to reveal his name publicly in court papers, even though his suit is based on his allegation that the University wrongly forced him out after a suicide attempt. I am appalled by Princeton's "win at all costs" tactics, looking to pressure someone who obviously feels the public stigma often associated with suicide attempts. I am not prejudging the merits of the plaintiff's claim, but nothing can justify forcing someone to reveal something so sensitive under these circumstances.

Princeton apparently claimed in its papers that it was unfair for the plaintiff to say bad things about the University in court without being open to public scrutiny, but this is not a level playing field, and Princeton has a greater ability to withstand unfounded allegations than an individual facing potential lifelong consequences. I expect more of our University, and I am deeply disappointed.

Steven Fasman '84
Larchmont, N.Y.

ELIMINATING 'MASTERS'

Re: "No More 'Masters' at Residential Colleges" (On the Campus, Jan. 13): What a tempest in a teapot! Will we have to eliminate the Army rank of master sergeant as well? There must be issues requiring the attention *continues on page 8*



For results that resonate, change the equation.

Partner with Glenmede, an independent, privately-owned trust company offering investment and wealth management services. Founded in 1956 by the Pew family to manage their charitable assets, we provide customized solutions for families, endowments and foundations. To learn how our culture of innovation and experienced thinking can help you make your unique imprint on the future, contact Michael S. Schiff at 609-430-3112 or mike.schiff@glenmede.com

GLENMEDE

Founded on ideals. Built on ideas.

Glenmede's services are best suited to those with \$5 million or more to invest.

glenmede.com [@glenmede](https://twitter.com/glenmede) [/company/glenmede](https://www.linkedin.com/company/glenmede)



Opening Doors

Susan Gordon

Sales Associate
Susan cell: 609 529-6044
Susan.Gordon@cbmoves.com



Susan-Gordon.com

© 2015 Coldwell Banker Corporation. Coldwell Banker® is a registered trademark of Coldwell Banker Corporation. An Equal Opportunity Company. Equal Housing Opportunity. Owned and Operated by NRT Incorporated.



Summer Programs

2016

A Guide to Summer Programs, Camps and Gap Year Programs



Each July, a select group of rising seventh and eighth grade students unleash their creative thinking at the Experimentory at Deerfield Academy.

The Experimentory's unique interdisciplinary program teaches design thinking, collaboration, and communication skills—giving students the tools they need to become the next generation of creative innovators.

**JULY 10 –
AUGUST 6,
2016**

Learn more and apply today: deerfield.edu/experimentory

DYNAMIC SUMMER PROGRAMS & SAT PREP FOR HIGH SCHOOL STUDENTS INTERESTED IN MEDICINE, BUSINESS & FINANCE



TOP-RANKED BUSINESS SCHOOL IN EUROPE

HEC

PARIS

JOIN US FOR OUR INNOVATIVE
SUMMER SCHOOL PROGRAMS:

- International Finance
- Investment Banking & International Corporate Finance
- Business & Geopolitics
- Fashion & Luxury Management
- Energy & Finance
- Inclusive & Social Business
- *Objectif Création d'Entreprise*

Cutting-edge, 2-4 wk. international summer programs for university-level students.

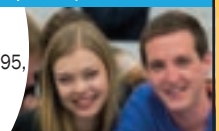
June & July 2016

"The outstanding quality of the professors and the education received throughout the program is remarkable."

– Princeton participant

Contact:

Elyse Michaels-Berger '95,
Director, HEC Paris
Summer School



www.hec.edu/summer-school

Junior State of America Summer Programs

for Outstanding
High School Students

PRINCETON | GEORGETOWN | STANFORD | BEIJING, CHINA



High School Freshman Scholars Program

at Princeton University

July 3 - July 24, 2016

at Stanford University

June 26 - July 17, 2016

For 8th grade graduates who will be Freshman in Fall 2016

Advanced Placement US Government,
Public Speaking, Debate Workshop, and more

Tomorrow's Leaders Start Here • <http://jsa.org/PAW>

TABOR ACADEMY Summer Program



Sailing, Marine Science, Sports,
Swimming, Theater Arts, Drones,
Photography, Art and so much
more!

Come explore a
Summer by the Sea,
filled with friendship, activities,
enrichment, and fun!

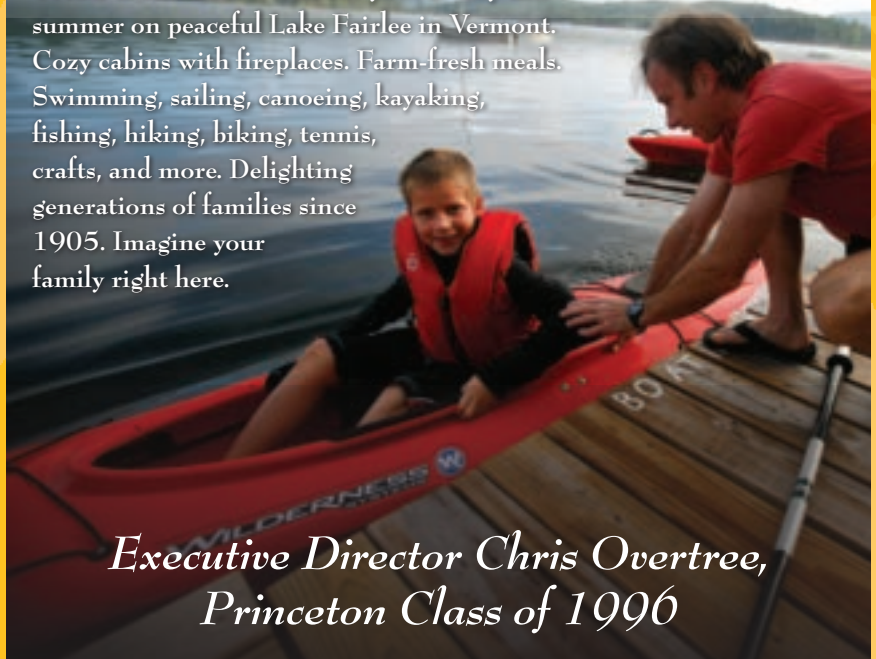
Coed • Ages 6 - 17
Day, Residential • CIT

Marion, Massachusetts
www.taborsummer.org
508.291.8342



Ohana Family Camp

Create lifetime memories for your family this
summer on peaceful Lake Fairlee in Vermont.
Cozy cabins with fireplaces. Farm-fresh meals.
Swimming, sailing, canoeing, kayaking,
fishing, hiking, biking, tennis,
crafts, and more. Delighting
generations of families since
1905. Imagine your
family right here.



*Executive Director Chris Overtree,
Princeton Class of 1996*

www.OhanaCamp.org

EXPERIENCE COLLEGE THIS SUMMER



BROWN

Pre-College Programs

ON CAMPUS. ONLINE. ABROAD.

- Challenge yourself with Ivy League academics
- Prepare to succeed in a college environment
- Meet exceptional students from around the world
- More than 300 Academic Courses
- Sessions 1 to 7 Weeks in Length
- College Credit Course Options
- SPARK - Middle School Science Program

www.brown.edu/summer

**Curiosity. Adventure. Imagination.
Dedication. Liberal Arts Education.**
Dive into your passion this summer
earning college credit in the foothills
of the Rocky Mountains.



**COLORADO
COLLEGE**

For more information visit www.coloradocollege.edu/summer

Inbox

continued from page 5

of Ivy administrators greater than the use of the term “master” in reference to those in charge of residential-housing units.

Harry Kohn '53
Annapolis, Md.

DEFINING MARRIAGE

In the recent article “What Is the Future of Marriage?” (feature, Jan. 13), there is virtually no normative connection made between marriage and children. Last time I looked, it seems to me that 100 percent of us human beings have a natural mother and a natural father. Have we forgotten that historically, marriage has been the social institution by which one generation bears and nurtures the next?

Who are we to redefine marriage? The definitive book asking this question is *What Is Marriage? Man and Woman: A Defense* by Princeton Professor of Jurisprudence Robert P. George and two of his graduate students.

Russ Stevenson '58
Gonzales, La.

FOR THE RECORD

A headline in the March 2 issue was unclear about the form of “charges” of misconduct by former Princeton professor Jason Lieb. According to published reports, Lieb resigned from the University of Chicago during a probe of sexual-misconduct allegations. No criminal charges have been filed.

WE'D LIKE TO HEAR FROM YOU

Email: paw@princeton.edu

Mail: PAW, 194 Nassau St., Suite 38, Princeton, NJ 08542

PAW Online: Comment on a story at paw.princeton.edu

Phone: 609-258-4885

Fax: 609-258-2247

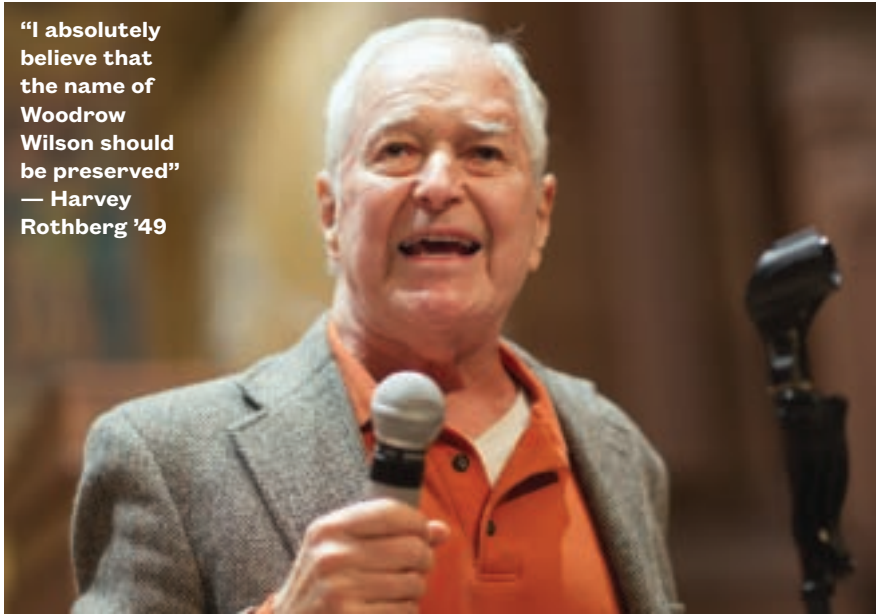
Letters should not exceed 250 words and may be edited for length, accuracy, clarity, and civility. Due to space limitations, we are unable to publish all letters received in the print magazine. Letters, articles, photos, and comments submitted to PAW may be published in print, electronic, or other forms.

On the Campus



Serving as a gateway to the Andlinger Center for Energy and the Environment is "URODA," a 19-foot sculpture by Ursula von Rydingsvard. The work, created with the metal artist Richard Webber, features thousands of hand-hammered sheets of copper. *Photograph by Ricardo Barros*

**“I absolutely believe that the name of Woodrow Wilson should be preserved”
— Harvey Rothberg '49**



Speaking Out on Wilson

Legacy committee hears clashing views on renaming issue at campus forums

Alumni, students, faculty, and staff had a chance to share their views in February with the Wilson Legacy Review Committee, a special committee of the University’s board of trustees set up to consider Woodrow Wilson 1879’s legacy and how the University should recognize it.

Two public sessions — at the Feb. 15 CPUC meeting and a forum later in the week in Richardson Auditorium

— sparked clashing viewpoints from dozens of participants on issues related to whether the University should rename the Woodrow Wilson School of Public and International Affairs and Wilson College, one of Princeton’s residential colleges, because of Wilson’s documented racism.

The CPUC session was more academic, with audience members asking questions and offering suggestions to

the committee. Two professors urged the committee to treat the potential renaming of the school and the residential college as separate issues.

“We are asking our undergraduates to live in Wilson College, while the people in the Wilson School are there specifically for what the school offers. Those are real distinctions,” said physics professor Peter Meyers.

Other suggestions included finding a way to showcase Princetonians from underrepresented groups whose stories may have been overlooked in the past, facilitating a discussion about Wilson and Princeton’s history during freshman orientation, and removing the Wilson name but not renaming the buildings after other individuals.

The forum in Richardson, which drew about 100 alumni, students, faculty, and staff, was more emotional, with participants differing on Wilson’s legacy and the idea of renaming campus buildings. Several members of the Black Justice League — the group that coordinated the Nassau Hall sit-in in November to protest the racial climate on campus — attended to voice their demand that Wilson’s name be removed from the school and the college. While some alumni expressed disagreement with the BJL, others stated their support.

“As a black female student, when I go into the Woodrow Wilson School knowing that he actively worked so that I could not gain admission to this university, there is a conflict,” said

CLOSE VOTE AT WHIG-CLIO

Debate Result: Don’t Rename

A Whig-Clio debate gave students the chance to match arguments about whether to rename the Woodrow Wilson School of Public and International Affairs in light of Wilson’s “controversial legacy” — his documented racism. After an often-passionate 90-minute debate, students voted against renaming the school by a narrow margin.

More than 100 students attended the Feb. 24 debate, which was opened and closed by Whig-Clio speakers appointed to represent each side. All attending were allowed to voice their opinions in brief floor speeches; more than 25 did so, with some lighthearted comments but most points seriously argued. The final vote was 37–33, with many others abstaining.

Whig speakers Maya Aronoff '19 and Shea Minter '19 argued that the Woodrow Wilson School should be renamed because students feel “violated” concentrating in a major named after Wilson, not just studying in a building named

after him. “They feel [the name] will follow them in their livelihood for the rest of their lives,” Minter said.

Clio speakers Josh Freeman '18 and Theodore Furchtgott '18 took the opposite position, saying that Wilson’s legacy should be evaluated holistically and that “nobody we honor is going to have a perfect past.” Otherwise, Furchtgott said, “we are setting up a situation where we can’t debate ... because all that it takes to win the debate is for a small number of people to say they feel offended.”

In a floor speech, Evan Draim '16 contended that the University’s purpose in honoring historical figures is to memorialize their contributions to society. Removing Wilson’s name because of one negative aspect of his character would be a disservice to his accomplishments, Draim said.

Other students spoke against a suggestion to install a plaque to address Wilson’s racism, saying that the Woodrow Wilson School was named to honor his accomplishments in the field of public policy and international relations. ♦ *By Tammy Tseng '18*

Photos: Sameer A. Khan



“These conversations are long overdue” — Brent Henry '69, legacy committee chair

Mariana Bagneris '15. “There’s always going to be that notion of knowing that you don’t belong at a place that you worked for, got good grades for, and were accepted to just like everyone else.”

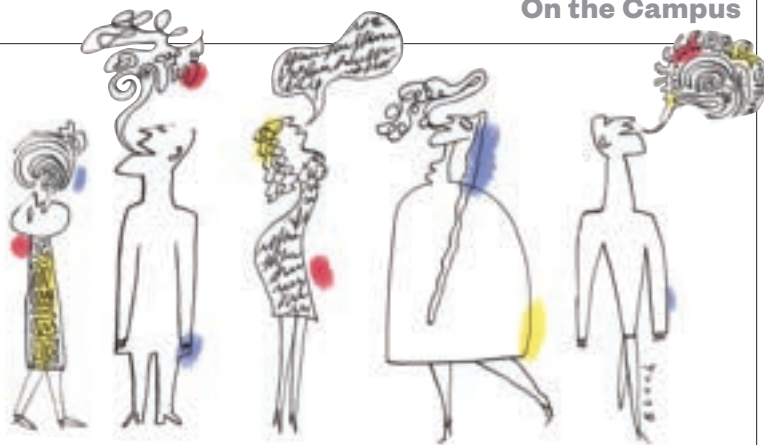
Harvey Rothberg '49 said a plaque should be installed at the Woodrow Wilson School to address Wilson’s achievements and his faults.

“I absolutely believe that the name of Woodrow Wilson should be preserved,” Rothberg said. “I think that it’s essential that all students — black, white, as well as alumni and visitors — should be aware of who Wilson was and his accomplishments, which were mostly good and occasionally not so good.”

Jean Hendry *80 said that even if the Wilson name is physically removed from buildings, his presence will remain on campus. “Whether or not the committee chooses to remove Wilson’s name, you can never remove Wilson from Princeton because his educational legacy to this university is so strong.”

“We are looking at what the impact of the naming issue is going to be not just on the students here currently, but the impact [on] students going forward,” said committee chair Brent Henry '69 at the Feb. 15 meeting. “Talking about race is difficult ... but these conversations are long overdue. ... And we’re really going to be thinking about how keeping or changing the name will have an impact on the University as an educational institution and how this affects people’s sense of belonging to the University.”

Henry said the committee hopes to make a recommendation to the full board of trustees during the spring. The board is scheduled to meet April 2 and May 30. ♦ *By A.W.*



ENTREATIES AND EPIPHANIES

Students Take the Spotlight for a Night of Original Show Tunes

One night in late January, nine students paced around the Rocky College common room’s piano in a state of cheery distress.

“Are we starting soon?”

“Still tweaking!”

“It’s gonna be rough!”

“One second, one second!”

The scene resembled the controlled chaos at the start of a Broadway chorus number — at any moment, the players might stop their bustling, face the audience, and belt out a rousing welcome.

But the hubbub was real. A few minutes after the show’s scheduled start, one of the students, Kathy Zhao '17, turned to address the 40 or so onlookers: “Welcome to our recital performance for ‘Introduction to Musical Theater Writing’! What you’re about to see is what we do in class on a regular basis — learn each other’s songs, script in hand, and perform for each other! Enjoy!”

Then came the show tunes — a shimmering collection of musical entreaties and epiphanies, sung by the students and their friends:

- ♦ A young, preening Beethoven whips a crowd of symphony-goers into a frenzy to distract from his fears of going deaf: “Hey there Vienna / How you doin’ tonight?”
- ♦ The deadly sin Wrath (personified as a French femme fatale) tries to keep her boyfriend from walking out: “Let’s stay in tonight / We could watch *Atonement!*”
- ♦ Prince Siegfried from the ballet *Swan Lake* is accosted by an eccentric swan-woman named Grebehilda: “I could be your confide-swan / I’m more than just a side-swan!”

While the night represented the culmination of the seminar’s work, it also marked a new beginning for theater at Princeton. Next year the Lewis Center for the Arts will launch a certificate in music theater. “Introduction to Musical Theater Writing” was a dress rehearsal of sorts for that program.

“This was really a class that was meant for students to make art on their own terms, using themselves as the source of the work,” said Stacy Wolf, the acting head of the Lewis Center and one of the writing class’s teachers. To that end, Wolf and two visiting instructors from New York University’s Tisch School — composer Randall Eng and lyricist Robert Lee '92 — had students deconstruct classic tunes from shows like *Fiddler on the Roof*, *Gypsy*, and *Hamilton*. But they also made the class write songs based around fraught relationships in the students’ lives.

That approach stirred up strong emotions, but paid off in the final product, said Hillel Friedman '17. “When you’re trying to write a really compelling character, and give them a voice, you really need to understand yourself well enough to empathize with your characters,” he said. ♦ *By David Walter '11*

Funding Challenges

Graduate School, sponsored-research task forces cite federal-grant uncertainty

In this issue, PAW continues its coverage of the reports of strategic-planning task forces created by President Eisgruber '83 to study more than a dozen aspects of teaching, research, campus life, and alumni affairs.

THE GRADUATE SCHOOL

This task force called for a “clear recognition of the importance of the Graduate School to the overall mission of the University.” The group’s report said that Princeton’s 2,700 graduate students “play a critical role in the research enterprise, contribute to the undergraduate teaching program, and help us attract a world-class faculty.”

Among the recommendations:

- ◆ Increase the number of grad students as faculty are added in fields such as computer science and engineering. But the task force said that, in some fields, fewer grad students may be desirable.

- ◆ In response to declining sponsored-research budgets, the University should develop policies and funding sources in the sciences and engineering. Today, more than a third of financial support in those areas comes from outside sources.



PRINCETON'S FUTURE: RECOMMENDATIONS

(See more discussion in the sponsored-research section below.)

- ◆ Provide competitive funding for sixth-year graduate students in the humanities, offering teaching experience and professional development.

- ◆ Increase Career Services staffing to advise and support grad students.

- ◆ In response to graduate students’ feelings of isolation and marginalization from University life, Princeton should consider how to support the grad-student experience, including “options pertaining to housing, social spaces, and work spaces.” Among the proposals is dedicated departmental space for grad students in the humanities and social sciences.

- ◆ Enable students in the humanities and social sciences to pursue summer internships by changing the stipend system.

SPONSORED RESEARCH

“Princeton’s research enterprise faces significant challenges stemming from changing patterns of government support for research,” this task force said. In the face of those challenges, the University has competed “extraordinarily well” for federal grants, the group said, and its recommendations are designed to leverage federal funds and to focus on “bold” research ideas. Sponsored research accounts for about one-sixth of the University’s overall budget.

Among the suggestions:

- ◆ Support faculty research focused on “innovative thinking and new ideas,” relying on internal anonymous peer review for funding recommendations.

- ◆ Provide financial incentives for faculty to write proposals for sources of sponsored funding.

- ◆ Supplement sponsored-research grants with University funds for third- and fourth-year grad students so that grants can support more students. Create competitive, three-year University graduate-student fellowships in science and engineering.

- ◆ Allow grad students who have won external fellowships to defer them for one year, since Princeton supports first-year graduate students. ◆ *By Megan Laubach '18*

Task force reports can be found at Princeton.edu/strategicplan/.

IN SHORT



Two student groups created “**THE WALL**,” above, to call attention to Israel’s separation barrier and the U.S.-Mexico border fence (illustrated on the other side of the structure). The Princeton

Committee on Palestine and the Princeton DREAM Team, an immigration advocacy group, sponsored the wall, which stood between McCosh Hall and Frist Campus Center for a week in February.

Princeton received a record **29,313 APPLICATIONS** for the Class of 2020, up 7.4

percent from last year. In December the University admitted 785 students through its early-action program, accepting more women (51 percent of those admitted) than men for the first time.

This year Ivy became the fifth eating club to participate in the **MULTI-CLUB BICKER** system, which allows students to bicker two clubs at the same time by ranking their first and second choices. Tower Club is now the only single-bicker club.

Twenty-two faculty members, postdocs, and graduate students signed a letter protesting a Feb. 23 lecture by former Colombian president **ÁLVARO URIBE VÉLEZ**, saying that the Woodrow Wilson School had announced the talk “in a way that overlooks [his] government’s abuses of human rights and the weakening of the democratic process.” ◆

Strong goaltending by Kimberly Newell '16 helped Princeton to a 21-6-2 regular-season record.



WOMEN'S HOCKEY

Skating to Success

Ivy-champion Tigers make history with 21 regular-season wins

It had been a long wait for Jaimie McDonnell '16 — and a longer wait for the Princeton women's hockey program — but on Feb. 6, the Tigers finally earned their ring.

Princeton clinched its first Ivy League championship since 2006 with a 5-0 win over Cornell.

"It really is a dream come true," said McDonnell, a forward. "This is one of our goals. It's a good starting spot. I'm just so proud of this team."

The Tigers had come up painfully short last year. Princeton was one point away from the title, but lost the Ivy finale by one goal.

"Being that close made a lot of people realize we're a good team, we're not content with middle of the pack, and we should expect more of ourselves," McDonnell said. "Everyone came back

with expectations that we're going to win Ivies."

The Tigers started 2-1 in Ivy play and later put together a 12-game winning streak that included five Ivy games. They finished the regular season 21-6-2 (the team's best winning percentage in more than 30 years) and earned the No. 3 seed for the ECAC playoffs. Postseason results were not available for this issue.

Nine Princeton players have scored at least 10 points, led by freshman Karlie Lund and junior Kelsey Koelzer, one of the nation's top players. The defense in front of goalie Kimberly Newell '16 has been impressive as well. Princeton allows 0.8 fewer goals per game than it did a year ago.

McDonnell said that the Tigers' improvement comes down to "the little things," and head coach Jeff Kampersal

'92 agrees. Conditioning, he said, has paid off on the second nights of Princeton's back-to-back Friday and Saturday games: The Tigers were 10-3 on Saturdays.

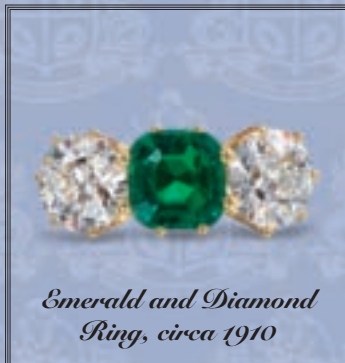
Kampersal sees similarities between this year's team and the 2006 Ivy champs, who earned a bid to the NCAA Tournament. "We have depth," he said. "We get a lot of secondary scoring and a lot of kids chipping in and making good defensive plays. Our penalty killers aren't our so-called 'best' players. Everyone fulfills their roles."

The champion Tigers also drew inspiration from a midseason visit with Denna Laing '14, the former team captain who is rehabbing in Boston after suffering a spinal injury in the Outdoor Women's Classic on Dec. 31, 2015. "She was a vehicle to our success," Kampersal said. "She established good culture. She was so excited we showed up."

It took years to build the title team, and the Tigers aren't satisfied yet. Winning the Ivy League is a goal, McDonnell said, "but it's not *the* goal. It's a steppingstone for where we want to be at the end of the season." ♦ *By Justin Feil*

J. & S.S. DeYoung, Inc.
Source of the Unusual[®]
SINCE 1835

Experts in Rare Gems and
Period Jewelry
with worldwide markets



*Emerald and Diamond
Ring, circa 1910*

We purchase individual
items or entire estates, and
offer appraisal services
to banks and attorneys

Janet Samuel Levy '78
212-541-7202
jl@thedeyoungcollection.com



32 Chambers St.
Princeton, NJ 08542

*Princeton University buyers
and sellers like to use us!*

800-763-1416

609-924-1416

www.stockton-realtor.com

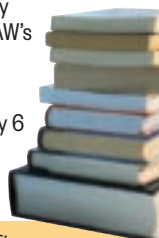


Calling All Princeton Authors!

Reach **98,000** readers by
promoting your book in PAW's
**2016 Summer Guide
to Princeton Authors**

Cover dates: June 1 & July 6

Space deadlines:
April 20 & May 2



Contact Colleen Finnegan
cfinnega@princeton.edu • 609-258-4886

On the Campus / Sports

**Devin Cannady '19 has
been the Ivy League's
Rookie of the Week
twice this season.**



MEN'S BASKETBALL

Freshman Shines in Key Midseason Games

When Princeton men's basketball needed big shots in pivotal games against Columbia and Yale, Devin Cannady '19 delivered. The reserve guard scored a combined 43 points in the games against the other two Ivy League title contenders, and the Tigers won both, improving to 8-1 in league play.

Cannady was particularly impressive in the wild closing minutes of Princeton's win at Columbia Feb. 13. The Tigers trailed throughout the game and had to close a four-point gap with just 17 seconds remaining. Cannady made two three-pointers in the last 11 seconds to force overtime, and he added another five points in an overtime comeback that finally put Princeton on top.

Against Yale at Jadwin Gym Feb. 19, Cannady made three of his four three-point attempts as the Tigers ended the Bulldogs' 12-game winning streak. Through 23 games, Cannady was averaging 11.7 points per game. ♦ *By B.T.*

SPORTS SHORTS

The **MEN'S** and **WOMEN'S FENCING** teams each earned a share of the Ivy League titles at the league's round-robin championship event at Cornell Feb. 6 and 7. The men posted a 4-1 record, sharing the title with Columbia and Penn, while the women were 5-1 and shared the title with Columbia and Harvard.

WOMEN'S BASKETBALL won eight consecutive Ivy games after the January break, including a 92-83 overtime victory at Harvard Feb. 7. Alex Wheatley '16 scored her 1,000th career point in the Harvard game, joining classmate Michelle Miller, who reached the milestone earlier this season.

WRESTLING finished the Ivy season with a 4-1 record after splitting a Feb. 13 doubleheader against

Columbia and Cornell. The Tigers beat the Lions, 23-13, but lost 23-16 to the Big Red, who won their 14th consecutive league championship.

WOMEN'S SQUASH finished the season with six consecutive wins for an 11-2 overall record. **MEN'S SQUASH** was 3-11 this year.

WOMEN'S TRACK AND FIELD standout Megan Curham '18 and alumnae Carrie Dimoff '05 and Sarah Cummings '11 ran in the U.S. Olympic Marathon Team Trials in Los Angeles Feb. 13. Dimoff and Cummings finished 40th and 53rd, respectively, while Curham dropped out of the race after 17 miles. Curham, who is taking a year off from school, hopes to compete in the 10,000 meters at the Olympic trials in July. ♦

Beverly Schaefer

Life of the Mind



Pablo Carlos Budassi

THE SUN, THE MOON, THE STARS: This illustration by Pablo Carlos Budassi depicts the known universe. It was created using a map of the universe developed in 2005 by Princeton astrophysics professors Richard Gott '73 and Neta Bahcall, along with Mario Juric '07, David Schlegel '89, Michael Vogeley '87, and other researchers. Set in the center is our solar system.



Artist's rendering of the Large Synoptic Survey Telescope on the El Peñón peak of Cerro Pachón in Chile.

ASTROPHYSICS

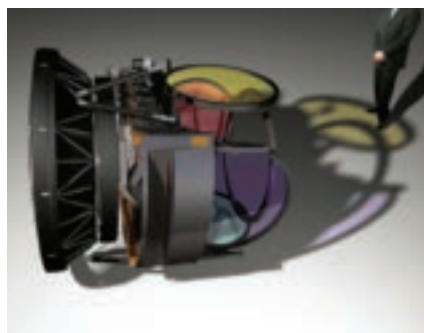
View of the Heavens

A new telescope aims to map the universe in stunning and unprecedented detail

Several gigantic telescopes are under construction in Chile and Hawaii, so powerful that they are likely to revolutionize our understanding of the heavens. Harvard and Caltech — like Princeton, powerhouses in cosmology — have kicked in funding to get observing time. But the astronomers at Peyton Hall think there's more to be gained elsewhere, throwing their expertise behind a much smaller telescope that could prove to be even more revolutionary.

That's the Large Synoptic Survey Telescope (LSST): It cannot see as deeply into the universe as the bigger scopes — although with a mirror more than eight meters across, it's as large as the biggest telescopes currently in operation. But its field of view is so broad that it will take in a patch of sky 40 times the size of the full moon with every exposure, and its 3,200-megapixel camera is so fast it will image the entire visible sky once every two weeks. In essence, it will create a motion picture of the universe itself.

"It was very much a philosophical choice to participate in LSST," says David



A 3,200-megapixel camera will image the entire visible sky once every two weeks.

Spergel '82, chair of the Department of Astrophysical Sciences. In science, he says, you either study particular objects in great detail, as very large telescopes do, or you study large numbers of objects in less detail, looking for patterns. For many years, he says, Princeton has chosen to put its money mostly on the latter. The Sloan Digital Sky Survey (SDSS), for example, which made the most detailed 3-D map of the cosmos in

history in the early 2000s, was largely conceived at Princeton. Thanks to SDSS, astronomers know far more about how galaxies cluster together in the cosmos and the structure of the Milky Way. And the Wilkinson Microwave Anisotropy Probe, also built at Princeton, created a high-precision survey map of the microwave radiation left over from the Big Bang.

The LSST, located in Chile, is funded by the National Science Foundation, the government of Chile, and a score of national laboratories and universities in addition to Princeton, in the U.S. and 10 other countries. It will give astronomers the precise locations and characteristics of billions of stars, galaxies, and quasars, Spergel says. That could help solve all sorts of cosmic mysteries — the nature of dark matter and dark energy, for example. The LSST is expected to find hundreds of thousands of icy objects in the Kuiper Belt, out beyond Pluto, helping planetary scientists understand how the solar system assumed its present shape, says Michael Strauss, associate chair of astrophysical sciences.

Because the telescope will re-scan the cosmos a thousand times over its 10-year lifetime, it also will deepen astronomers' understanding of how individual objects in the universe vary over time. Among them are Earth-approaching asteroids. "It's useful to know if one is likely to hit us on the head," Strauss says.

Development of the LSST already is in full swing. The huge glass mirror has been cast in a giant oven at the University of Arizona. Robert Lupton, a senior research astronomer at Peyton Hall, is leading a group that is wrestling with the complex software needed to manage the 30 terabytes of data the LSST will take in every night. Last April, Strauss and Lupton traveled to a mountain near La Serena in northern Chile for a ceremony to mark the start of construction of a new observatory to house the telescope.

By 2022, the LSST should go into full operation. And like every other time astronomers have gotten their hands on a new, unprecedentedly powerful telescope, Strauss says, "we're sure to find things we never could have anticipated." ♦ *By Michael D. Lemonick*

Artist's renderings: Large Synoptic Survey Telescope

Q&A: ALI VALENZUELA

A Force to Contend With

Hispanic voters have become a crucial factor in American elections

Politics professor Ali Valenzuela, who studies the role of Hispanics in electoral politics, spoke to PAW about how Latino voters view the hot-button topic of immigration and how they will influence the upcoming presidential election.

How important have Hispanics become in American elections?

Over the last 10 to 15 years, the Latino population has grown to make Hispanic voters quite influential, and in some places pivotal, to the outcome of elections. Research documents extensive campaign targeting of Latinos — messages about the importance of the Hispanic vote, of turning out, and of supporting one candidate or another. In places where the Latino vote is not yet a majority, some conservative politicians and political interests have lined up against the interests of the Latino community, which has lately been about immigration. Attacks on immigration and immigration reform are interpreted by many Latinos as attacks against their group.

All of this works to shape Latino political identity. In particular, Latinos in competitive battleground states — where there are both more attacks and more appeals — become very politicized.

Do Latinos tend to vote as a bloc?

I would push back on the common thinking of Latinos as an undifferentiated voting bloc. It's true that in recent electoral cycles Latino voters have largely supported the Democrats, and by wide margins. But there is a lot of diversity within the label Latino. It includes immigrants, native-born, and later-generation Latinos, people from over 20 Spanish-speaking countries, rich and poor, liberal and conservative.

There's a notion that the views of Latinos fit more comfortably within the Republican Party.

Latinos are more conservative than white voters on social-policy issues such as abortion and gay marriage. But they're much more liberal on economic policy, the value of government providing a social safety net, and of course on immigration policy. When Republicans talk about how evil government is, Latinos hear that as an attack against the very structures that have helped level the playing field and helped them to get ahead. When we analyze policy preferences, it's never social policies such as abortion and gay marriage that predict their vote. It's policies on

immigration or economic fairness that shape their political preferences.

How important are Hispanics going to be in the presidential election?

After 2012, Republican leaders concluded that they can't win the White House without more Hispanic support than they've gotten in the last two presidential elections. George W. Bush was the last Republican candidate to get north of 40 percent of the Hispanic vote. John McCain was in the low 30s, and Mitt Romney was at 23 percent. The dynamic I see playing out in the primaries today suggests that the current crop of Republican candidates — including the two Latinos, Ted Cruz ['92] and Marco Rubio — is going to have a hard time winning enough Hispanic support to win in the general election.

◆ *Interview conducted and condensed by Eveline Chao '02*

“Attacks on immigration and immigration reform are interpreted by many Latinos as attacks against their group.”

— Ali Valenzuela



In a Dry Country

Jay Famiglietti *92 is the Jeremiah of water

BY MARK F. BERNSTEIN '83

“The Spring is beautiful in California. Valleys in which the fruit blossoms are fragrant pink and white waters in a shallow sea. ... The full green hills are round and soft as breasts. And on the level vegetable lands are the mile-long rows of pale green lettuce and the spindly little cauliflowers, the grey-green unearthly artichoke plants.”

JOHN STEINBECK
The Grapes of Wrath

Jay Famiglietti *92 at the Jet Propulsion Laboratory in Pasadena, Calif., where monitors documented the progression of the state's drought from 2002 to 2014.



Like thousands of real-life Oklahomans during the Great Depression, the Joad family of Steinbeck's novel fled dust and drought for a place that looked like paradise.

California still looks like one, even in the depths of winter. The state's table-flat Central Valley produces almost all the country's broccoli, spinach, artichokes, garlic, grapes, and canning tomatoes — nearly a quarter of America's table food in all, and more than four-fifths of the world's almonds. Drive along any back road, and orange groves or nut orchards stretch as far as the eye can see, the only sound the chugging of irrigation pumps.

In some places, though, there are disturbing sights the Joads might have found familiar. North of Bakersfield, acres of mature almond trees lie bulldozed in perfect rows, their roots ripped out of the ground and bleaching in the sun. Across from one of these fields outside the town of Delano, a man tends a

Steve Anderson



farm stand offering local produce. Asked what happened to the trees, he doesn't even turn his head.

"Drought," he replies.

That drought, in its fifth year, eased somewhat over the winter, but the state still relies heavily on groundwater to feed its crops. The state now taps its aquifers for about 60 percent of its water, far more than in a normal year, when it could draw more from sources like rivers and reservoirs. In parts of the Central Valley, the ground is sinking — by more than a foot a year in some places — as the empty aquifer beneath it collapses.

The view is also troubling from space, which is the perspective Jay Famiglietti *92 prefers. Famiglietti is among the most vocal and influential scientists speaking out about drought and water conservation — a mild-mannered Jeremiah, or the "Al Gore of water," as television host Bill Maher described him on his show. Last March, soon after Famiglietti wrote an attention-getting opinion column in the *Los Angeles Times* that predicted California had only 12 to 18 months' worth

of water left in above-ground storage, Gov. Jerry Brown imposed the state's first-ever mandatory water restrictions.

A hydrologist at the University of California-Irvine and senior water scientist at the Jet Propulsion Lab in Pasadena, Famiglietti is using NASA's Gravity Recovery and Climate Experiment (GRACE) satellites to study the world's underground water reserves. His findings, and those of other GRACE scientists, are alarming, and they are not confined to California.

Data collected from GRACE over more than a decade, and published last July in a study Famiglietti co-authored in the journal *Water Resources Research*, showed that 21 of the world's 37 largest aquifers — which collectively provide water for more than 2 billion people — have passed "sustainability tipping points." It is no coincidence, he says, that countries sitting atop four of the world's most stressed aquifers — Turkey, Syria, and Iraq (the Arabian aquifer); India and Pakistan (the Indus Basin and Ganges-Brahmaputra Basin); and Libya and Niger (the Murzuk-Djado Basin) — all have had political unrest driven in part by food

shortages caused by a lack of water.

Famiglietti has been spreading his warning on media outlets including *60 Minutes* and the 2011 documentary film *Last Call at the Oasis*, as well as writing scientific papers and op-eds for mass consumption. “We’re not just up a creek without a paddle in California,” he wrote in the *Los Angeles Times* piece, “we’re losing the creek, too.”

Broadly speaking, California gets its water from three places. First, from its own rivers, reservoirs, and snowmelt, but that water has been hard to come by as the drought, estimated to be the worst to hit the state in 1,200 years, stretches on. Second, piped in from out of state, chiefly the Colorado River, but the drought has limited that supply, too. Third, as a last resort, from groundwater in the aquifers.

Famiglietti uses the analogy of money to describe how we use water: Surface water, he says, is like cash. Aquifers, on the other hand, are like your retirement savings, a reserve set aside for a not-so-rainy day. It’s OK to dip into savings in case of emergency, but if you rely on it to pay your monthly bills, you are courting trouble. That, though, is what many agricultural regions around the world are doing. Drought makes over-pumping worse, but the pumping continues even in wet years because demand for water exceeds the surface supply.

California’s vast Central Valley aquifer (actually three smaller aquifers) encompasses approximately 22,000 square miles and runs roughly from Bakersfield to Mount Shasta,

about 60 miles south of the Oregon border. As writer and Princeton professor John McPhee ’53 explained in his 1993 book *Assembling California*, the Central Valley once was the bottom of the ocean; the aquifer formed during the Pleistocene Epoch, when the climate was much wetter and the area had a Mississippi Delta-like flood plain depositing a deep layer of freshwater-logged sand and gravel. “A whole lot went into the savings account then,” McPhee says. Now, it’s

diminishing, and at a quickening rate.

California’s unslakable thirst can’t be blamed on golf courses and swimming pools, though they don’t help. Agriculture drives the demand, using 80 percent of the state’s water. It takes a gallon of water to grow a single almond, for example, and nearly 700 to grow the alfalfa needed for a cow to produce one gallon of milk.

Vegetable fields can lie fallow during a drought, but fruit and nut trees must be watered or they will die. When shallow wells tap out, farmers drill deeper in search of even more ancient sources. Water being sprayed on trees today probably fell on California 20,000 years ago. Many trees that can’t be watered are bulldozed.

Meanwhile, higher temperatures mean less precipitation in the middle latitudes, which means even more reliance on groundwater. And the aquifers are slow to refill: After it is used, much of the water evaporates or makes its way into streams and eventually out to the ocean, further raising sea levels. The empty aquifers cannot support the weight above them and may collapse, compressing air pockets in the soil and making them harder to refill.

“It’s a serious problem,” says Eldridge Moores ’63, a longtime geologist at the University of California-Davis. “Overdraft of the aquifers is in many cases a one-way street. You can’t really recover it.” The U.S. Geological Survey estimates that it would take 50 years to replenish the Central Valley aquifer if all pumping stopped today.

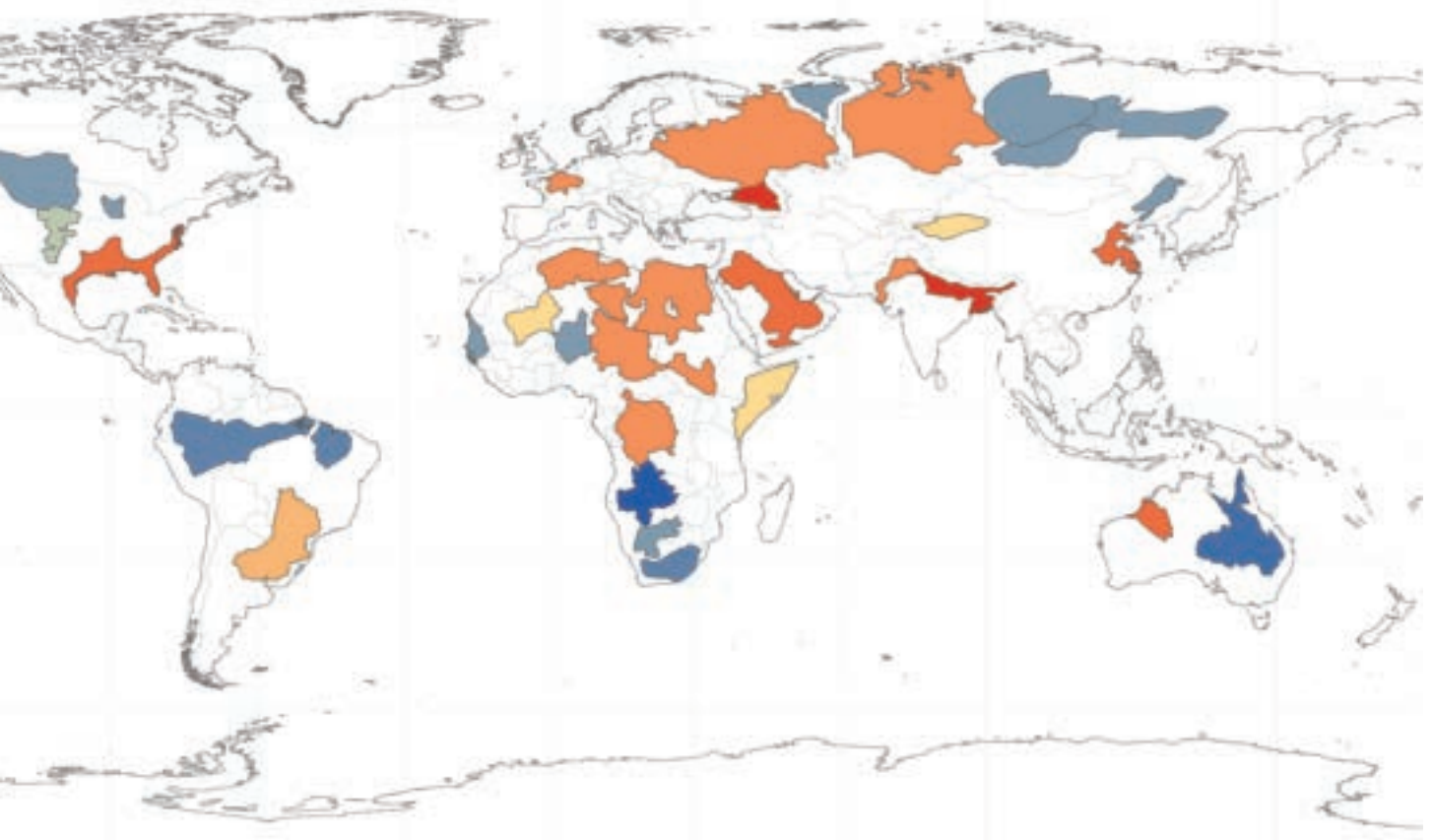
Famiglietti went to Tufts intending to become a veterinarian before switching to geology, which he found appealing because clues to its mysteries were all around him. After earning his Ph.D. studying surface-water systems, he joined the faculty at the University of Texas. It was there he first learned about GRACE, a project of NASA and the German space agency. Though GRACE was intended to measure polar ice sheets and track ocean currents (and is used for those purposes), Famiglietti and others perceived that it also could be used to study the little-understood subject of groundwater.

With a publicist’s gift for phrasemaking and a professor’s love for illustrating points on a white board, Famiglietti describes GRACE as a “scale in the sky.” Another good analogy might be to an orbital game of tag. Two satellites, each the size of a “squashed minivan,” chase each other around the globe, about 310 miles high and 137 miles apart. If Earth’s gravitational field were uniform, the separation between them would not change. But when the lead satellite passes over an area with greater density, such as one with a lot of water, the extra gravitation yanks it ever so slightly. As the trailing satellite passes over the same spot a few seconds later, it gets yanked, too, and the gap closes.



Markers on a utility pole near Mendota, Calif., in 1977, show how much the ground had sunk as the Central Valley aquifer became depleted.





Using NASA's GRACE data, the map shows water-storage trends for the world's 37 largest aquifers. Thirteen were classified as being depleted while having little or no natural replenishment. Aquifers shown in warm colors, especially dark red, are in the worst shape; those in blue have more replenishment.

Microwaves bouncing between the satellites measure the distance between them down to one micron, roughly the diameter of a blood cell. Those tiny changes in their separation tell Famiglietti where gravity — and thus surface or subsurface density — is greater and by how much. His team compares the GRACE data against data about weather and ground wells around the world. Applying various algorithms, they put on their green eyeshades, so to speak, and engage in water accounting. How much of the extra density in a particular area is attributable to surface water? How much to snow or heavy rains? And how much to the aquifers? GRACE is able to zoom out, both physically and metaphorically, to look at multiple aquifers globally and simultaneously. “It allows us to get a picture we’ve never seen before,” Famiglietti says. “You can’t observe it any other way,” agrees Eric Wood, a Princeton professor of civil and environmental engineering who was Famiglietti’s dissertation adviser.

Aquifer depletion, GRACE shows, is hardly unique to California. The southern half of the Ogallala aquifer, which sits beneath the wheat-growing region of Texas, Oklahoma, and Kansas, has been badly stressed by center-pivot irrigation, those green circles often seen from airplanes. Researchers at Kansas State University believe the southern Ogallala will be 70 percent gone by 2060 if pumping continues at current rates.

Elsewhere, Saudi Arabia began tapping its aquifer to irrigate wheat fields in the 1970s but abandoned the project in 2008 because its groundwater was nearly exhausted. A huge Pakistani irrigation program sucked 10 trillion liters a year out of the Indus Basin between 2002 and 2008, and many wells now spew salt water.

How much is left in the world’s troubled aquifers? Hydrologists can’t answer that: GRACE can show how much water is being depleted, but it cannot measure how much remains in the ground. Still, Famiglietti makes an unofficial estimate about the Central Valley aquifer, based on what he knows about its size, age, and water draw: If nothing changes, he believes that it will be empty in 50 to 100 years.

To get a picture of what that might look like, drive a few hours north from Los Angeles to the town of Porterville. Over the last two years, more than 500 families on the poorer east side of town — and 1,400 families across the Central Valley — have seen their wells run dry. Turn on the tap, and nothing comes out but air.

Self-Help Enterprises, a private charitable organization, contracts with the state emergency-services office to put temporary storage tanks on some properties, which restrict residents to 50 gallons of water per person per day (the average city dweller, it is estimated, uses 90 gallons a day). Other Porterville residents rely on bottled water from the United Way or take showers at the Drought Resource Center, a tent located in a church parking lot. Water might still be accessible here if homeowners could afford to dig deeper wells, but a 300-foot water well can cost up to \$35,000. “The houses are worth a little more than that,” says Susan Atkins, Self-Help Enterprises’ program director, “but without water they aren’t worth anything.”

“Without intervention, I see a future in which we will be very challenged to produce the food that we need for this growing population, across the nation and all around the world.”

— JAY FAMIGLIETTI *92

With examples like that in the news, California has begun thinking seriously about its aquifers. In 2014, after urging by Famiglietti and others, it enacted legislation that divides the state into groundwater-management districts and requires them to develop sustainability plans. Although most of the details, including what is meant by “sustainable,” still must be worked out, Famiglietti considers it a promising start. He continues to advise legislators around the country and testifies on water-related matters.

Under the conservation program imposed last spring, cities and towns must reduce their water use by 25 percent. Californians now are prohibited from watering their lawns

within 48 hours of a measurable rainfall or using hoses that don’t have a shut-off nozzle. Famiglietti recommends switching to low-flow fixtures and collecting shower drip in buckets to use for watering gardens. He washes his jeans less often than he used to, which also preserves the denim. “I’m taking one for the drought team,” he jokes.

Many strongly oppose the new regulations. One wealthy Southern California homeowner told *The Washington Post* last June that people “should not be forced to live on property with brown lawns, golf on brown courses, or apologize for wanting their gardens to be beautiful. ... [W]e’re not all equal when it comes to water.” On the other hand, Famiglietti says that Central Valley growers have begun to recognize that ultimately their livelihoods, and in many cases their family farms, are at stake. “You don’t have to invoke climate change to get the point across,” he says.

He does not see a technological solution to the problem. Diverting water to the Central Valley by tapping sources farther away, for example, is simply robbing Peter to hydrate Paul. Recycled wastewater, called “greywater,” has been used on a small scale, but is not nearly enough. San Diego, meanwhile, has just built a \$1 billion plant to convert ocean water into drinking water, but desalination requires a lot of energy and leaves a toxic salt slurry that must be disposed of somewhere.

“Without intervention,” Famiglietti warns, “I see a future

PRINCETON STUDIES WATER

BY KATHERINE HOBSON '94

As Jay Famiglietti *92 studies aquifers and drought from his lab in California, Princeton researchers are focused on water as well. Here are three of them.



KELLY CAYLOR: SENSING THE FIELD FOR THE WORLD'S FARMERS

Farmers around the world are constantly making decisions based on rainfall and other aspects of climate. But those decisions are based on imperfect and incomplete information. That’s where the research of Kelly Caylor, an associate professor of civil and

environmental engineering, and his colleagues comes in. They have developed a lightweight, solar-powered pod housing multiple sensors to collect crucial information — such as rainfall, wind speed, and aspects of crop growth — directly from the agricultural field. The data is transmitted via cellphone networks. The Pulsepod — 6.5 inches in diameter — will be commercialized by Arable Labs Inc., a company incorporated by Caylor, Ben Siegfried '12, and former Princeton postdoc Adam Wolf, and should be available this spring.

Caylor, who has a joint appointment at the Princeton Environmental Institute, and his colleagues will use the pod to improve research on how subsistence farmers in sub-Saharan Africa manage their food security as the climate varies during the season and over a longer term. Caylor hopes the system eventually could give farmers information on factors that affect crop yield, for example, so they could better ration their food supplies, but there’s not

enough data to provide that — yet. “We are champing at the bit to get to the point where we can communicate important and actionable information back to subsistence farmers,” he says. Arable also will forge relationships with African companies, including a partnership with a microinsurance firm.

In the United States, Arable will sell the Pulsepod for about \$400 (with a \$100 lifetime data plan) to software companies that provide agriculture and weather analytics to farmers. Caylor says it will help farmers make better decisions about when and how much to fertilize and irrigate, for example, or when to send a crew to harvest. “We can make those predictions with increasing precision,” he says.



SANKARAN SUNDARESAN: TOWARD BETTER DESALINATION

According to the United Nations, water use is outpacing population growth so much that by 2025, two-thirds of the world will live under “water-stressed” conditions. One solution to meeting the demand for fresh water is to remove the salt from the seawater that

surrounds us. That process, though, requires a lot of energy. Even though today’s best desalination technique, reverse osmosis, can be improved in other ways, it’s reaching its limit in terms of energy efficiency, says engineering professor Sankaran Sundaresan. Using current technology, the electrical energy needed to generate enough water to meet future global needs would require a significant chunk of all additional electrical-energy capacity.

Sundaresan is one of many researchers trying to improve desalination methods. He has worked with engineering school colleagues Pablo Debenedetti and Brian Pethica on



Some residents in Porterville, Calif., have water tanks on their property, providing up to 50 gallons of water per day.

Mark F. Bernstein '83

in which we will be very challenged to produce the food that we need for this growing population, across the nation and all around the world.”

Throughout history, water shortages — and the food shortages that follow — have been a recipe for turmoil. Over-pumping has made Yemen a “hydrological basket case,”

environmental analyst Lester Brown wrote in *The Guardian*; in its capital city, tap water is available only every fourth day. Turkey’s decision to dam the Euphrates River forced Syria and Iraq to over-pump their aquifer, leading to a crop failure when drought hit. The resulting food shortages, some political scientists believe, contributed to the rise of ISIS.

Perhaps, Famiglietti suggests, California should consider whether it can continue growing all those water-sucking almonds, or ensure that their price reflects the true cost of growing them. “We seem to have forgotten that producing food requires a lot of water,” he says. “So step one is understanding how much water it takes to produce the food we want. An equally important step is to understand how much water we have actually available to us on an annually renewable basis.”

Though he may sound at times like a Jeremiah, Famiglietti does not fit the role of Old Testament prophet. Still, as more regions grow drier, it is worth consulting the prototype. The biblical Jeremiah warned his people against sin, but offered hope to those who changed their ways:

“They shall be like a tree planted by water, sending out its roots by the stream. It shall not fear when heat comes, and its leaves shall stay green; in the year of drought it is not anxious, and it does not cease to bear fruit.” ♦

Mark F. Bernstein '83 is PAW's senior writer.

a technique that involved forming salt-free ice-like crystals from seawater by using a pair of molecules called a hydrate former and a helper gas, a process that has the potential to produce fresh water with better energy efficiency. The results from that effort were not sufficient to spark a prototype, but are available in the public domain for “someone to pick it up and run with it,” says Sundaresan.

More recently he has been working on a form of forward osmosis. Instead of using pressure to push water through an osmotic membrane, the technique uses a liquid draw solution that sucks the water through the membrane. Then the challenge is to extract that water from the draw solution. The big question: “Are there solutions that allow you to separate the fresh water with much lower energy costs?” he says. He and his colleagues are working to find one that achieves that separation with minimal heating.



JUSTIN SHEFFIELD: PREDICTING DROUGHT AND FLOODS

Precipitation falls. Some of it runs off to the ocean. Some stays in the soil. Some forms snowpack that will provide future water resources. Some evaporates directly from the ground or dissipates into the atmosphere in the form of water vapor through plant leaves. But

it’s not well understood, for example, why one year is very wet and the next three aren’t, and how humans both affect and are affected by those variations — which makes it hard to predict drought and floods. Justin Sheffield, a research scholar in the Department of Civil and Environmental Engineering, is working to change that.

He is studying the variables in the hydrologic cycle and how they vary over timeframes ranging from a few days

to a century and over areas ranging from local to global. Getting the data is difficult. Even rainfall isn’t so easy to measure, since rain is intermittent and the amount can vary quite a bit across a small area. “A few rain gauges scattered around aren’t going to get all the variations,” says Sheffield. Data on factors such as evaporation from the ground or from vegetation are even harder to come by. But just as Famiglietti is doing with his groundwater research, Sheffield and his colleagues are capturing satellite data, which can be analyzed to produce estimates of those factors. That’s a challenge because of inherent errors, uncertainties, and assumptions, he says.

But Sheffield is making headway. In 2012 he and colleagues (including Princeton’s Eric Wood) published a letter in the journal *Nature* arguing that overall global drought patterns haven’t changed in 60 years, even though in certain regions drought is certainly more severe — challenging a model showing that drought had increased significantly globally due largely to global warming. Those conclusions leave open the possibility that global warming could lead to an increase in overall drought going forward, he says. (Other scientists have disputed Sheffield’s interpretation, saying that historical global drought patterns do show an increase.) Models Sheffield has helped to develop provide up-to-date information to monitor and forecast the risk of floods and droughts in Africa, Latin America, and the United States. A similar global-monitoring system developed by his group will be up and running in the next few months. Now he’s collaborating with Caylor to combine the data from large-scale monitoring systems and local sensors to improve monitoring and forecasting even more. ♦

Katherine Hobson '94 is a freelance health and science journalist in Brooklyn, N.Y.

Scott and Zelda

In a house where the couple lived, visitors learn of their hopes and their failings

IT WAS NOT LITERARY OBSESSION THAT DROVE JULIAN MCPHILLIPS '68 TO CREATE a museum honoring the most spellbinding couple of the Jazz Age. Yes, McPhillips had a fondness for F. Scott Fitzgerald 1917, whose novels he read in high school. And yes, like Scott's famous wife, Zelda, McPhillips had deep Alabama roots, going back to antebellum days.

But it wasn't until the mid-1980s that his casual interest turned into a passion. By then, McPhillips was a lawyer living in the historic Old Cloverdale neighborhood of Montgomery, Ala. Down the street, at 919 Felder Ave., was the home rented and occupied for seven months in 1931–32 by the Fitzgeralds. This was the place where Zelda began her first and only novel — for some biographers, a profound act of emancipation by a woman with a public high school diploma against her overbearing Ivy League husband. But the house, which had been divided and converted into a boarding house in the late 1930s, was being targeted by developers.

Concerned that Cloverdale's stately homes amid trees draped in Spanish moss soon would be transformed into townhouses, McPhillips and his wife, Leslie, purchased the dilapidated property for \$100,000 in 1986, refurbished it, and opened it in 1989 as the Scott & Zelda Fitzgerald Museum. "My motives were not 100 percent altruistic," McPhillips acknowledges.

Stepping inside the brick-and-brown-clapboard, Craftsman-style house — which the McPhillipses have donated to a nonprofit association — a visitor today is plunged into the world of the Fitzgeralds. Walls are lined with artifacts and pictures that tell the story of how Scott rode the skyrocket of fame with his debut Princeton novel *This Side of Paradise*, in 1920, and faced a lackluster response to *The Great Gatsby* five years later. Zelda, the headstrong daughter of a prominent Montgomery judge, became a media darling as the iconic flapper, epitome of the liberated young woman of that freewheeling age.

Scott and Zelda, who just had been released from treatment for schizophrenia at a sanitarium in Switzerland, returned in 1931 to Montgomery, where they had met when he was in the Army. Today the house they rented is "the only museum devoted to them both," McPhillips says with pride. "It tells the story of a married couple, both of whom were iconic and renowned." Displays show photographs and publications associated with the Fitzgeralds at various stages of their lives, including a case filled with Princeton memorabilia such as Scott's contributions to the *Nassau Lit* and posters of his Triangle shows. A back bedroom houses Zelda's paintings. Period furniture gradually is being added to complete the scene. It has taken McPhillips — who is best known for his work both as a civil-rights lawyer and as an anti-abortion activist — decades to restore the rambling old home with its spacious rooms and wood-inlay floors. The impression is of quiet comfort in these inviting, sunlit rooms that look out to a wide green lawn and magnolia trees, a mood at variance with the turmoil that wracked the Fitzgeralds here.

Living at the house, the Fitzgeralds plunged from hopefulness to deep gloom — Scott later would look back on "all the horrors in Montgomery." Gallons of gin, violent rows, and illicit love affairs — Scott's with a Hollywood actress and Zelda's with a French aviator — had threatened their marriage even before they arrived in Alabama. They reached Montgomery with their daughter, known as Scottie, in September, seeking a refuge. Zelda was fond of her parents, who lived near Old Cloverdale. Scott felt the quiet would settle Zelda's shattered nerves; meanwhile, he could turn his full attention to writing. "He must have thought Zelda showed signs of being able to recover," says biographer Scott Donaldson, who has helped advise the museum, "and their marriage could be a real one again."

For the Fitzgeralds, the Montgomery home offered much-needed balm — and curator Willie Thompson paints a picture of them entertaining in the great room, writing in the study, relaxing in the sunporch. But then Scott abruptly announced he was leaving for Hollywood to earn some money from movie scripts. He vanished for weeks to the place where he had taken a lover four years earlier. With Scott gone, the unhappy Zelda began to write intensively.



Scott, Scottie, and Zelda Fitzgerald, ca. 1930



Julian McPhillips '68
with items in the
Fitzgerald museum



Zelda in the Montgomery house

One of the most fascinating photographs on display in the museum shows Zelda, wearing dancer's garb, seated on her travel trunks in the sunporch of this very house. (The windows and artist-tile floor remain unchanged.) This publicity photo for the fledgling writer was meant to flaunt her public persona: the insouciant young disciple of ballet, ready to sail to Hemingway's Paris in a heartbeat.

When Scott came home from California — the sunporch now occupied by a Christmas tree — his wife pointed with pride to her new story in *Scribner's Magazine* and a novel underway. Soon, however, the atmosphere in the house grew poisonous. Zelda wrote relentlessly, wretched in cigarette smoke, and angrily accused Scott of causing her eyestrain. Fights became constant. Scott believed she must return to the hospital. Together, the Fitzgeralds drove to the Montgomery train station in dreary February 1932, headed for the Phipps Clinic in Baltimore.

Meanwhile, Scott returned to the Montgomery house, so that Scottie could finish the school year. He anguished over the hospital bills that would further postpone his novel-writing and explored a possible divorce. While Zelda's friends and family muttered that Scott had destroyed her life, he told his confidants that everything was Zelda's fault: She had been the promiscuous "town scandal" before he ever met her; she corrupted him; she introduced him to drinking; in France she shamelessly fell in love with men and women alike.

Into this emotional maelstrom fell the manuscript of Zelda's novel, *Save Me the Waltz*, which she somehow completed in the clinic wards March 9. Five days later, Scott read it in the Montgomery house. When he saw that her novel drew on the same themes he was writing about himself, his anger proved volcanic.

Now he became unhinged: Zelda, he wrote in fury to her physician, had produced "an imitation" of his own unfinished novel, the very book he so desperately needed to complete but could not because he was paying for her treatment. Zelda, he was certain, was trying to destroy him — she even had named an unattractive character Amory Blaine, the Princeton-undergraduate protagonist in his autobiographical *This Side of Paradise*. How dare she "build this dubitable career of hers with morsels of living matter chipped out of my mind, my belly, my nervous system and my loins?" he fumed.

That awful spring of 1932 marked the beginning of the end for Scott and Zelda. Leaving the Montgomery house behind in April, Scott traveled to Baltimore, moving in with the family of Andrew Turnbull '42, later his most sympathetic biographer. Zelda's novel was published with some alterations demanded by Scott. His own novel, *Tender Is the Night*, appeared in 1934 but sold poorly. Despairing, he sometimes drank 30 cans of beer or a quart of gin a day, landing in hospital wards eight times between 1933 and 1937, and twice attempted suicide. Yet the couple never divorced.

Zelda turned from writing to painting, and the museum has 11 examples of her idiosyncratic artistic output, including flowers of oddly menacing aspect, a favorite theme. Especially popular with visitors are her colorful paper dolls, a genre she adored, crafting many for grandson Thomas Lanahan '69, who would commit suicide as a young man. Some items on display hint at the relationship between Scott and other family members: There is a stamp book assembled by Scott and Scottie, begun in Paris, a product of their close relationship.

In 1936 Zelda left the Baltimore clinic for one in Asheville, N.C., and she was in and out of there for the rest of her life. Scott died in 1940; Zelda perished in a fire at the hospital eight years later.



The house today

This tale of wasted talent and doomed marriage is the story McPhillips' museum helps tell today. About 3,500 visitors arrive annually; Scott would hardly be thrilled to know that most of those tourists come for Zelda, says Thompson — his "third-rate talent" of a wife (as Scott once called her) who lately has become the darling of biographers and inspiration for novels, plays, and even the title of a video game.

Today the house forms an important link in the Southern Literary Trail, along with sites dedicated to Ralph Ellison and Harper Lee, and sponsors an annual writing contest for high school and college students. When the museum hosted a Fitzgerald literary conference a few years ago, attendees came from as far away as Australia. All this makes McPhillips hope that the place will grow into a center of Scott and Zelda Fitzgerald scholarship or, perhaps, "we could have a literary colony there" — these are far-off dreams. ♦

W. Barksdale Maynard '88 has written about F. Scott Fitzgerald in Princeton: America's Campus and The Brandywine: An Intimate Portrait. His grandmother grew up in Montgomery with Zelda.

From top: Mondadori Portfolio via Getty Images; Andrea Mabry/AP Images

PRINCETONIANS

UP IN THE AIR:
When Jacob Weiss '03 takes to the stage, his performance — a blend of juggling, music, and physical comedy — provides a state of calm that alleviates the tics that come with having Tourette's syndrome. His company, **Playing By Air**, donates a show to a children's hospital or charity each time it is hired for a corporate event. ♦



John Partipilo/The Tennessean

Princeton's Top Student Prizes

Recipients of the Pyne Honor Prize and the Jacobus Fellowship were honored at Alumni Day.

The two winners of the **PYNE HONOR PRIZE**, the University's top undergraduate award, are:



JAMES AGOLIA '16, chemistry. He won the Shapiro Prize for Academic Excellence twice and plans to pursue a career as a surgeon and scientist.



ANDREW NELSON '16, German. He won the Arthur Liman Fellowship in Public Interest Law and intends to work in policy advocacy and public-interest law.

There were four winners of the University's highest honor for graduate students, the **JACOBUS FELLOWSHIP**, which supports the final year of study:

JOSHUA BENNETT, English. He plans to become a professor, focusing on the black literary tradition, and to continue his career as a poet, performance artist, and arts educator. **KELLEN FUNK**, history. A lawyer, Funk will begin a series of clerkships in the federal courts after completing his dissertation. **CARLEE JOE-WONG '12**, mathematics. A co-founder of the mobile-data company Datami, she plans to continue studying the Internet as a professor. **RAJESH RANGANATH**, computer science. As a professor, he will address problems in clinical medicine by developing new statistical methodologies. (View videos about the honorees at paw.princeton.edu.)

Alumni Awards

THE CLASS OF 1965 has received the Class of 1926 Trophy for raising \$7,416,459 in celebration of its 50th reunion. (In previous years the trophy has been awarded at Alumni Day, but it is now given in the fall.) The Harold H. Helm '20 Award for sustained service to Annual Giving went to **JOHN P. LAVELLE JR. '85** of Bryn Mawr, Pa. ♦

ALUMNI DAY

REFLECTIONS ON SERVICE

*Honorees Milley '80 and Heckman *71 discuss military, economic inequality*

Social mobility and service to the nation were the major themes of Alumni Day talks by economics professor James Heckman *71, winner of the James Madison Medal, and the chief of staff of the U.S. Army, Gen. Mark Milley '80, who received the Woodrow Wilson Award. More than 1,000 alumni attended the event Feb. 20, an unusually spring-like winter day, and many flocked to Nassau Street afterward in reunion jackets.

Joking that he was “in the half of the class that made the top half possible,” Milley noted that the importance of service to one's country was instilled in him at an early age by his parents, who both served in World War II — his father as a Marine, his mother as a Navy nurse. He often is asked why a Princeton graduate would choose a career in the military, he said. “The idea that rang true for all of my life was that I wanted to help others in whatever I decided to do, and to be part of something greater than myself, and to give meaning to ‘Princeton in the nation's service,’” he responded.

There was little formal discussion about the controversy surrounding Woodrow Wilson 1879's legacy, though Milley alluded to Wilson's “challenging personality” and President Eisgruber



James Madison medalist James Heckman *71

'83 encouraged alumni to share their opinions about the subject online. An open meeting for alumni and the campus community on the topic was held Feb. 19 (see page 10).

Heckman, a professor at the University of Chicago, won the Nobel Prize in economics in 2000 for developing a method to correct bias that results from using an unrepresentative survey sample of data. He recalled mentors at Princeton who taught him it was critical to study important social questions. His work examines income distribution, the economics of discrimination, and the effects of education on earnings and health.

Alumni and faculty also attended the Service of Remembrance and panels on topics including global health and media coverage of the 2016 election. ♦ By A.W.



Service of Remembrance

Photos: Sameer A. Khan



“I would like to see more students from the Ivy League serve; I think it’s healthy for the country.”

— Gen. Mark Milley '80

to get it back. Finally, there’s a huge amount of financial interest because Russia is the gas tank of Europe.

I testified not too long ago that Russia was our No. 1 military threat. I define a threat as capability plus intent. The Russians clearly have a nuclear capability. Their conventional capability atrophied, but they have resurrected it over the last several years. So what is their intent? That is much more difficult to figure out. But you can guess based on their behavior, and their behavior has clearly been aggressive. From our standpoint, the fundamental task is to assure our allies that NATO is still strong and the United States is resolute in order to deter Russia from further aggression. I think the Army can play a key role in that.

What sort of military do we need?

We have to decide what we, the people of the United States, want to see as the role of America in the world. That’s a fundamental question that needs to be addressed. If we see ourselves as a global power and responsible for maintaining the rules that were set at the end of World War II, if we still use words like “indispensable nation,” then how are you going to do it, and with what tools? You’re going to need a large military with an extensive capacity across the range of operations. You have to be able to deal with natural disasters, riots, homeland defense, counterterrorism, insurgencies, and conventional war. A president has to have options that cover a wide range of potential contingencies over the entire globe.

Most countries are dealing with a single geographic space and a single type of enemy. That’s not true for the United States. We could find our military in any geography, in any type of weather conditions, so we need a military that is flexible, adaptive, and agile. That’s a big challenge. ♦ *Interview conducted and condensed by Mark F. Bernstein '83*

Q&A: GEN. MARK MILLEY '80

THE MILITARY WE NEED TODAY

Gen. Mark Milley '80, the 39th chief of staff of the U.S. Army, received the Woodrow Wilson Award at Alumni Day. Milley, who previously served as commanding general of the U.S. Army Forces Command, spoke with PAW about Ivy League graduates serving in the military and the challenges the Army faces around the world.

Is there a cultural divide between the military and Ivy League universities?

It’s as much a geographic issue. The Army demographic is heavily weighted toward the Mountain West, the Midwest, the Deep South, and the Southwest. The two coasts are numerically underrepresented. As we move further into this century, the requirement for very technologically sophisticated, highly adaptive people is going to grow,

and we’re missing out on the two parts of the country with very high education levels.

I would like to see more students from the Ivy League serve; I think it’s healthy for the country. On the other hand, I think it’s overstated how few Ivy League graduates there are. It’s that people don’t know who they are.

What is the Army’s role in NATO today?

Europe is a difficult situation. Russia has been conducting a very aggressive foreign policy. It indicates that a fundamentally different Russia has emerged.

Thucydides wrote that wars are caused by fear, pride, and interest. Russia has a longstanding fear of land invasion, which their politicians exploit. Then there’s pride — Russia’s status fell during the Cold War, and they want

CLASS NOTES

Online Class Notes are password protected. To access, alumni must use their TigerNet ID and password. [Click here to log in: http://paw.princeton.edu/issues/2016/03/16/sections/class-notes/](http://paw.princeton.edu/issues/2016/03/16/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 1943

Edwin McKeown '43

Ed died June 1, 2015, in Piedmont, Calif.

He prepared at New Trier (Ill.) High School, where he was editor-in-chief of the yearbook and a champion tennis player. At Princeton, Ed was on the board of *The Daily Princetonian* and a manager of the Refreshment Agency. He ate at Tower, majored in Spanish, and roomed with his high school friend Johnson Clark.

After graduation, Ed served in the Air Force before attending Harvard Law School. He practiced law in Chicago for several years before moving to California, where he worked in the treasury department for Kaiser Aluminum.

Ed was active after retirement in community and church affairs in Piedmont and was in the American Society of Corporate Secretaries. He had a strong interest in education for the deaf because Patsy, his wife of 65 years, and son, John, are deaf. Ed also had a great interest in the Great Class of 1943 and served on our executive committee.

Ed is survived by Patsy; children Ann, Katherine, and John; and five grandchildren.

THE CLASS OF 1944



Thomas C. Atchison '44

Tom died Aug. 2, 2015, in Minneapolis.

At Princeton he studied mathematics and graduated with high honors in 1943. Tom was in Whig-Clio, the Figure Skating Club, and Key and Seal. After graduation he worked in naval research and the development of underwater weaponry and was involved in the Bikini Atoll hydrogen-bomb test as a lieutenant junior grade after World War II. He was recalled for 17 months during the Korean War and stayed in the Reserve, eventually retiring as a commander.

Tom married Nancy Overstreet in 1950, and they had three children. During his career he lived mainly in Edina, Minn., where he was on the board of the World Federalists of Minnesota. For many years, he was with the U.S. Bureau of Mines, and he retired as director of the Twin Cities Mining Research Center. Tom

traveled to scientific meetings in China, New Zealand, Switzerland, and Australia. He devoted much of his time to peace and environmental organizations.

Family and friends remember Tom as a kind and gentle man. He is survived by Nancy, son Thomas and daughter-in-law Cindy, son David and daughter-in-law Chris, daughter Carol Hemingway, sister Shirley Wells, and five grandchildren.

THE CLASS OF 1948

Logan Alexander McKee Jr. '48

Alex was born April 15, 1926, in St. Joseph, Mo., and died Sept. 15, 2015, in Nevada, Mo. He was 89.

He grew up in St. Louis and served in the Navy Reserve Officers Training Corps during World War II. He then came to Princeton, where he majored in engineering and graduated in 1949. Alex served as an officer in the Coast Guard during the Korean War. With benefit of the GI Bill, he earned a master's degree in urban planning at Georgia Tech. This led to a wide variety of engineering, city planning, and consulting assignments for local governments, construction firms, and other private and public-sector organizations. Alex worked on projects in Missouri, Maryland, Texas, and Alaska, and served as chief inspector for the Alaska Pipeline Project.

Alex and his first wife, Margaret, had four children, Tom, Sandy, Scott, and Peggy, who all survive him. After retiring and moving to Nevada, Mo., Logan met and married his second wife, Mary Kathleen, to whom he was married for 22 years. She also survives him.



Lawrence S. Phillips '48

A native New Yorker, Larry was born March 20, 1927, and died Sept. 11, 2015, at his home in Boca Raton, Fla. He was 88.

Larry attended Horace Mann School and the Lawrenceville School. After Navy service, he majored in history at Princeton. Immediately after graduation in 1948, he joined the family clothing company, Phillips Van Heusen, and had a career of almost

50 years in all aspects of the business. Larry became chief executive in 1987.

He was widely known and honored as a philanthropist, especially as a founder and the president of American Jewish World Service, a worldwide agency with projects beyond exclusively Jewish causes. He was also a major supporter of the American Jewish Joint Distribution Committee, and founded the ambulatory care center at New York's Beth Israel Hospital. After retirement, he stayed active in social-service and philanthropic causes.

Larry is survived by his children, David and Laura; sister Carol Green; his former wife and mother of their children, Ann Phillips; his former wife, Roxane Lipton; and four grandchildren.

THE CLASS OF 1949



Laurence B. Huston Jr. '49

Larry died Feb. 3, 2015, in Hartford, Conn.

Larry came to Princeton from William Penn Charter School in Philadelphia, his hometown. He majored in economics, was a member of Tiger Inn, and served on the 1949 class committee.

After graduation he went to work for Aetna Insurance Co., and stayed with the company for 36 years, retiring in 1986 as an assistant vice president of the group division. From 1990 until 2002, the Hustons lived in Ponte Vedra, Fla., but later returned to Hartford to be near their daughter and her children.

Other than his work and his family, Larry's major interest was golf. He was a member of the Hartford Golf Club for 50 years, serving as its president from 1971 to 1973, and was active in numerous golfing associations. He was also a trustee of Kingswood Oxford School and a member of Asylum Hill Congregational Church.

Larry is survived by his daughter, Wendy H. Gabree; two grandchildren; and one great-grandchild. He was predeceased by Nancy, his wife of 63 years, in 2013, and his son, Laurence B. Huston III. The class sends condolences to Wendy and her family.



Victor J. Parsonnet '49

Vic died Feb. 28, 2015.

He came to Princeton from Newark Academy, majored in economics, and ate at Court Club. Vic was a member of the Liberal Union and Whig-Clio and served as vice president of Students for Democratic Action.

He attended Northwestern University Law School, earning his law degree there in 1952. That same year, Vic was admitted to the New Jersey bar. He practiced in Newark for his entire career, primarily in labor law. As he stated in our 50th yearbook, "Princeton has given me a sense of social responsibility,

thus my career [has been spent] in aiding the exploited.”

Vic is survived by his wife, Joan, and children Lissa Barbanel, Abby Parsonnet, and Jonathan Parsonnet. At the time of his death, he and Joan were living in West Orange, and his offices were in Newark. The class offers its admiration and sympathy for the loss of this dedicated member of the legal profession.

Joseph L. Ponce '49

Joe died Feb. 17, 2015, at home in Santa Fe, N.M.

He grew up in Baltimore and came to Princeton from Phillips Exeter Academy after serving two years in the Army. He majored in economics, played lacrosse, and was a member of Tiger Inn. As he described it, “After leaving Princeton in 1950, I spent five years in the fertilizer business and then joined Drexel & Co., first in Philadelphia, then in New York.” He married Anne in 1955 and continued in investment banking for the rest of his career.

After his retirement, Joe and Anne moved to Santa Fe. While there, Joe served on the boards of Cornerstones, EGIS, and the National Dance Institute of New Mexico, where he also was treasurer. His other interests, according to our 50-year directory, *To 1999 and Beyond*, were “gardening, fly-fishing, and support of the arts.”

He was survived by Anne; their children, Michael, Alice, Mari, and Thomas; and nine grandchildren. The class extends its deepest sympathy to them all.



Bernard G. Steinetz '49

Bern died Jan. 21, 2015, at his daughter Ann's home in Boonton Township, N.J. He had been living at Franciscan Oaks in Denville, N.J., for the previous 21 months following the death of his wife, Jane.

Bern came to Princeton from Montclair (N.J.) High School. He joined Tower Club, majored in biology, and graduated *magna cum laude*. His marriage to Jane allowed him to live off campus for his senior year (after receiving special permission from Dean Godolphin). Bern earned a Ph.D. from Rutgers, after which he joined what became Warner-Lambert Pharmaceutical Co. He stayed there until 1971, when he moved to Ciba-Geigy.

Bern subsequently became an associate professor at NYU while continuing his studies in endocrinology and similar fields. Throughout his career he continued to publish, with more than 80 scientific papers to his name.

He often said he'd “love to get that Nobel Prize,” and in many ways he deserved that honor. In the eyes of his associates and his students, he always was accessible, always encouraging — a true Renaissance man.

Bern and Jane had three children and

six grandchildren. To them all, we offer our deepest sympathies.

R. Norman Wood h'49

Norm, an honorary member of the Class of 1949, died Feb. 19, 2015, in Manchester, Mass.

A graduate of Harvard, where he was the star and captain of that college's hockey team, he came to Princeton in 1957 as our hockey coach and stayed until 1965. While at Princeton, Norm belonged to Ivy Club and the Nassau Club. After that, he returned to Massachusetts to pursue a career in real estate and condominium development.

As a coach of our varsity hockey team, Norm had that rare combination of athletic skill, discipline, and affectionate interest in his players. After leaving Princeton, he coached youth hockey teams in the Boston area, and in later years he enjoyed watching his sons and grandsons as they played hockey.

Norm's wife, Mary Anne Bonham Wood, predeceased him. He is survived by their sons, Randy and Ian; five grandchildren; and three step-grandchildren. The class is proud to have had Norm and his family as members of '49's extended family, and we offer our sympathies to all of them.

THE CLASS OF 1950



Howard P. Efron '50

Howie died Aug. 18, 2015, in New York City.

He was born in Poughkeepsie, N.Y., and attended high school there.

At Princeton he rowed on the 150-pound crew, was a managing editor of *The Daily Princetonian*, and belonged to Cloister. Howie graduated with high honors from the Woodrow Wilson School, which, in his words, he “took full advantage of” by working at a turkey farm in Upstate New York immediately after graduation.

Howie's life was filled with numerous other business ventures, including feeding the Bay of Pigs invasion army in Guatemala; launching the earliest electronic calculators; making *The Klansman*, one of the all-time worst Hollywood features, starring Richard Burton, Lee Marvin, and O.J. Simpson; creating and selling children's toys; and losing to Famous Amos at the beginning of the designer chocolate-chip-cookie craze with superior marketing but an inferior product.

His son, Morris, wrote that life with Howie was never dull — he had a spirit of adventure, love of history and politics, and a lifelong devotion to Princeton. He always put friendship first, and approached the world with trust, compassion, and unbridled *joie de vivre*.

Howie is survived by his children, Morris and Dani; their spouses; and grandchildren Jacob, Matthew, Aaron, and Zoe.



John G. Goessling '50

Jack died Aug. 18, 2015, in St. Louis, his hometown.

He prepared at John Burroughs School and majored in mechanical engineering at

Princeton. Jack was a member of Charter and graduated with high honors and election to Phi Beta Kappa.

After graduation he worked for the Atomic Energy Division of DuPont until joining the Navy in 1954. After finishing Officer Candidate School, Jack spent most of his service time as an officer in Hawaii, where he met and married Peggy Ziegler. Upon discharge, he moved back to St. Louis to run his family's manufacturing business.

Jack served on several boards, including John Burroughs School and Kieffer Paper Mill. He was an avid bird hunter, dog lover, and outdoorsman. As a man of many hobbies, he was a beekeeper, gardener, equestrian, winemaker, adventurer, and builder. Jack enjoyed spending time with his family in their Missouri log cabin and family home in Hawaii.

We extend our sympathies to his children, John Jr., Jill, Margaret, Wendy, Karen, and Gay; 11 grandchildren; and seven great-grandchildren, who survive him. Peggy died in 2000.



Edward H. Hunvald Jr. '50

Professor emeritus at the University of Missouri School of Law, Ed died June 27, 2015, in Columbia, Mo., after a battle with Parkinson's disease.

He came to Princeton from Ramsay High School in Birmingham, Ala. Ed majored in the Woodrow Wilson School, played in the band and orchestra, and was a member of Whig-Clio.

After Princeton he entered Harvard Law School, earning a degree in 1953. During an Army tour that followed, Ed first served as a legal clerk in Georgia, then spent two years on the staff and faculty of the Judge Advocate General's School in Charlottesville, Va. After his service, Ed returned to Harvard in 1956 as a teaching fellow and moved to the Missouri School of Law a year later.

During his distinguished, 50-year career at Missouri, Ed trained several generations in the fields of criminal law, criminal procedure, and evidence. Outside the classroom he served on committees to revise the Missouri Criminal Code, to write criminal-law questions for the national bar examination, and to advise Missouri judges on instructing juries in criminal cases.

Ed is survived by Kay, his wife of 61 years; his daughter, Sarah; and two grandchildren.

THE CLASS OF 1952

Windsor F. Cousins Jr. '52

A painter and art historian, Windy came to Princeton from Germantown Friends School in



Philadelphia. He majored in history, joined Cannon, and played lacrosse and JV football. Windy roomed with Gordy Granger, Bob Bader, and Jack Dodds.

After college he went to Europe and devoted his working hours to painting, earning a certificate in 1957 at the Institut d' Études Politiques. Windy taught art history and architecture after receiving a Ph.D. from Penn State in 1982. He continued with academic life until his retirement in 1991.

Windy died Sept. 3, 2015, leaving his wife, Toni; and sons Windsor III, Mark, and Richard. The class extends its sympathy to them all.

THE CLASS OF 1954



J. Baxter Gentry Jr. '54
Baxter died peacefully Dec. 31, 2013.

Born in Montclair, N.J., he graduated from Montclair High School. Baxter left Princeton after his freshman year and graduated from Emory University in 1955. His 40-year professional career was as a system architect/programmer at IBM. Then, after retiring in 1997, he formed a dot-com business.

He was predeceased by Julia, his wife of 59 years. The class extends condolences to his children David, Alice, Baxter III, Michael, and Dorabeth; 14 grandchildren; and 11 great-grandchildren.



Walter E. Jacobowitz '54
Walter died peacefully Sept. 3, 2015.

Born in Jersey City, N.J., he graduated from Henry Snyder High School. At Princeton, Walter worked on the business staff of the *Nassau Lit*, majored in biology, and ate at Prospect Club.

After graduation, he earned a degree at the NYU School of Medicine. Walter completed an internship at Philadelphia General Hospital followed by a four-year residency in obstetrics/gynecology at Bellevue Hospital. After 38 years in practice and the delivery of 5,000 babies in Parsippany, N.J., he retired in 2001.

During his professional career, Walter served as chairman and president of the medical staff of Morristown Memorial Hospital. He subsequently served as president of four hospitals comprising Atlantic Health Systems.

The class extends condolences to his wife, Suzanne; their children, Karen, Dana, and Glenn '85; his sister, Elaine; and five grandchildren, including Bryan '15.

THE CLASS OF 1956

Garrett M. Heher '56

Garry died Dec. 4, 2014, at age 79.

He prepared at the Lawrenceville School. At



Princeton, he was a member of Triangle Club and a contributor to *The Daily Princetonian*. An English major, Garry wrote his thesis on "The Use of Greek Tragedy in Modern Drama." He was president of Charter Club's graduate board.

After graduation, Garry attended the University of Michigan Law School, earning a degree in 1959. He was a partner with Smith, Stratton, Wise, Heher & Brennan in Princeton and later started his own law practice nearby. Garry sat on the boards of Eden Institute and the Nassau Club and was a member of the Federal Bar, the New Jersey State Bar, and the Mercer County Bar associations.

Garry addressed his pursuits with both integrity and a sense of humor. He was a great storyteller and conversationalist, and could always relay a current event after his detailed daily read of *The New York Times*. Garry most enjoyed spending time with his wife, son, daughter-in-law, and grandchildren.

He is survived by Gretchen Walsh Heher, his wife of 50 years; son and daughter-in-law Garrett Walsh Heher '89 and Maureen Dwyer Heher; and two grandchildren, Catherine and William Heher.



James O. Westmoreland '56
Jim died Sept. 21, 2015, due to complications from Parkinson's disease.

He was born in Memphis, Tenn., and came to Princeton from Soldan-Blewett High School in St. Louis. At Princeton, Jim majored in history, ate at Campus Club, and won the Joline Prize in American history during his senior year.

After serving two years in the Army, he went on to complete his graduate studies at Johns Hopkins School of Advanced International Studies in Bologna, Italy. This led to a career with the Department of State, first as a Foreign Service officer assigned to Italy, Kenya, and South Africa, and later as a consultant for the State Department's cultural and educational affairs office. In 1971, he earned a master's degree in African studies from UCLA.

Upon his retirement, Jim and his wife, Linda, traveled extensively before settling in Arizona. Jim had a personal commitment to the Meals on Wheels program, volunteering for more than a decade and delivering meals to homebound elderly.

Jim is survived by Linda, daughters Susan and Jill, and three grandchildren.

THE CLASS OF 1958

Norman R. Nelsen '58

Norm died July 3, 2015, in Bridgewater, N.J. He had been living in the Bridgeway Senior Healthcare Center for about a year.



Norm came to us from Curtis High School in Staten Island, N.Y. At Princeton, he was a member of the Whig-Cliosophic Society and the Whig-Clio Senate. Norm was

in the Woodrow Wilson School and a member of Dial Lodge. He graduated with election to Phi Beta Kappa and roomed with Phil Stadter during his senior year.

After college he served as a gunnery officer on the USS *Yorktown* and, as a recipient of a Woodrow Wilson National Fellowship, studied international politics at Yale.

From 1961 to 1972, Norm was employed by Metal Traders Inc. in New York. His 30-year career in international marketing and management in the metal industry took him to 35 states and 30 countries.

A member of the International Society of Poets, Norm published two books of poetry, *A Year Here in Basking Ridge* and *Basking Ridge ... and Beyond*. Norm was a coin and stamp collector and had a large library on World War II leaders, U.S. presidents, sports figures, movie stars, impressionist art, and lighthouses.

He is survived by his daughter, Katherine Nelsen, to whom the class extends its deepest sympathy.

THE CLASS OF 1961



Douglas M. Kerr '61

Doug died Oct. 25, 2014, in Denver, due to renal failure and complications from Parkinson's disease.

Born in Washington, D.C., Doug grew up in New Jersey and came to Princeton from the Pingry School. At Princeton Doug majored in psychology, took his meals at Dial Lodge, and graduated with honors. He was an officer of the Outing Club and a member of the Sigma Xi Society. His senior-year roommates were John McCobb, Joe Segura, Phil Shambaugh, Ray Unger, and Jeff Morgan.

After Princeton, Doug earned a master's degree in public health at the Yale School of Medicine in epidemiology and public health, followed by a law degree at Yale Law School. He began practicing law with IBM and then was an assistant district attorney.

In our 50th yearbook, Doug wrote very movingly about his lifelong struggle with alcoholism, a battle he said he lost for many years. He wrote, "God speaks to me through sober alcoholics who have been there. By the grace of God, I've been continuously sober since 1976." His favorite hymn, sung at his funeral, was "Amazing Grace," because it described his struggle.

Doug was divorced. He is survived by his sister, Judith; brother John; and John's wife, Bonnie.

THE CLASS OF 1962**John E. Deitrick Jr. '62**

John died Sept. 25, 2015, in Northumberland, Pa., of complications from a lengthy battle with multiple forms of cancer.

John came to us from the Haverford School, where he was a heavyweight wrestling champion for three years in the competitive Philadelphia region. He majored in biology, played football for two years, and dabbled in lacrosse and track. A member of Tiger Inn, John roomed with Bill Bond and Phil Carlin in the Lockhart Lair.

He earned a medical degree at Cornell, did an internship and residency at its New York hospital, and then spent two years in the Air Force. Afterward, he did research at Cornell for a year.

John joined Geisinger Medical Center, an excellent facility in rural Pennsylvania, in 1975. After taking an administrative course at Harvard, he managed both surgery (as director from 1979 to 2001) and research at Geisinger. He was the first to perform laparoscopic general surgery at GMC in 1990.

While John's illness started in 2004, he continued to scuba dive, sail, travel, and garden on his 80-acre homesite.

The class extends its condolences to his children, Kristina and John, and to his extended family. We lost a gentle giant and dedicated physician.

THE CLASS OF 1964**James D. Krolak '64**

Jim died June 5, 2014, in Everett, Wash.

He attended LaSalle-Peru High School, where he was class president for two years, quarterback and co-captain of the football team his senior year, and president of the local youth center.

A Cannon Club member, he roomed in the Walker Hall Rockefeller Suite with Levisay, Costello, and others. Jim, whose good nature and quick wit were appreciated by all, graduated with honors from the Woodrow Wilson School. His thesis was titled "The Catholic Church in China."

Jim graduated from Northwestern University Medical School in 1968 and served eight years in the Army, attaining the rank of major. His service included an internship at Tripler Army Hospital in Honolulu, an obstetrics/gynecology residency at Fitzsimons Army Medical Center in Aurora, Colo., and work later as chief of ob-gyn at Ireland Army Community Hospital in Fort Knox, Ky.

In 1975, he joined the Women's Clinic in Everett, Wash., and delivered more than 3,000 babies before retiring at age 57. In retirement, Jim and Ann, his wife of more than 50 years, liked to travel to Hawaii and to their house

in Cannon Beach, Ore. He demonstrated strength, courage, and wisdom until the end.

Ann survives him, as do their sons, Jack and Jason; and Kris, his daughter-in-law. The Class of 1964 extends its deepest sympathy to them all.

THE CLASS OF 1969**Gerard P. Hallock '69**

Gerry died Aug. 21, 2015, in Rowayton, Conn.

A graduate of the Hotchkiss School, he majored in biology at Princeton, was a member of Tiger Inn, and participated in the 21 Club and the Class Fund Drive.

His career as a commercial real-estate broker spanned 45 years. Gerry was senior vice president at Rostenberg-Doern Co. and retired as executive managing director at Colliers International.

Actively engaged in civic affairs, Gerry served on the boards of Hotchkiss School, the Stamford Center for the Arts, and the Literacy Volunteers in Stamford. He shared his generosity, his humor, and his love with his community and especially with his family. His late father was a member of the Class of 1926, and his son, Peter, is a member of the Class of 1999.

In addition to Peter, Gerry is survived by his wife, Judith; daughters Courtney, Daisy, Page, and Saylor; sisters Helena and Lisa; and eight grandchildren. He was a fine fellow who will be missed by many.

THE CLASS OF 1979**Linda M. Mason '79**

Linda died Feb. 28, 2015, in Browns Mills, N.J., after a courageous battle with cancer. At the time of her passing, she was a legislative

representative for the American Federation of Government Employees.

A graduate of Pemberton (N.J.) Township High School, Linda wrote her senior thesis on "Religion and Politics," which, according to her mother, Rita Mason, was Linda's "life journey after leaving Princeton." Her work and her religion were her life.

She attended Columbia and then went to Cornell, where she earned her first master's degree. She then received a master's in theology from LaSalle University and later taught Bible studies for both adults and youth. "Children, young people, and helping others by extending kindness and charity to them were meaningful to Linda," said Rita. Linda created hundreds of handmade rosary beads to send to missionaries around the world, and her charity extended to many organizations. "Her family, friends, and church made her smile," said Rita. "Her unwavering optimism made us smile!"

Linda was a member of the Alumni Schools

Committee and the Association of Black Princeton Alumni, and was a Connect Initiative participant. In addition to her mother, she is survived by her brother Robert. Linda was predeceased by her father, Eddie Sr., and brother Eddie Jr. The class extends its heartfelt sympathy to Linda's family and friends.

THE CLASS OF 1980**George I. Wooding III '80**

George died Aug. 31, 2012, in Martinsville, Va.

He graduated from Martinsville High School and matriculated at Princeton in the fall of 1975. During his freshman year, George roomed with Andrew Lange and Ralph Petrilli in 1903 Hall. He lived in Blair Hall with Brian Dahlquist, Brad Houser, and Steve Matthews during sophomore year, and Brad Houser, Peter Maritz, and Hal Stockbridge junior year in Witherspoon. George was a unique and talented individual who wrote a novel, *On the Precipice of the World*, during his freshman and sophomore years. An early devotee of punk music, he visited New York often to see bands such as the Ramones at CBGB during the club's early years. George was frequently seen on campus wearing his beloved New York Mets batting helmet. He also worked as a late-night Weenie Man.

After graduation, George was a sports writer for a number of papers in the Winston-Salem, N.C., area. He also wrote and published adult short-fiction books under the pen name Thom Wakefield, the main character in his novels. From the late 1980s onward, George left few footprints until his death.

THE CLASS OF 1990**Matthew M. Mainz '90**

Matt died Dec. 9, 2014, at the age of 46.

He came to Princeton from Naperville, Ill., lived in Wilson College, and was a member of Cloister Inn and Charter Club. Matt was on both the varsity cross-country and track and field teams, served as advertising editor for the *Student Course Guide*, and worked on the steering committee for Project '90. He also appeared on WPRB as a basketball announcer.

Matt started working for Eli Lilly and Co. shortly after graduation, primarily in pharmaceutical sales. He received frequent recognition during his career there, including the President's Council Award and several peer-elected District MVP awards.

After relocating from Ashland, Mass., to Carmel, Ind., in 2004, Matt served as the treasurer for the Carmel High School cross country team and participated in the Carmel Dads' Club as a coach in both baseball and volleyball. He also worked as an announcer

for the NCAA Division III Men's and Women's Indoor and Outdoor National Track and Field Championships.

Matt is survived by his wife, Marcy, and children Tyler and Cara.



Timi Wolfe '90

Timi died unexpectedly Sept. 2, 2015, surrounded by family and friends.

She was born in Greeley, Colo., to William and Letha

Wolfe and graduated from Princeton with a degree in sociology. After beginning her career on the East Coast, love of family brought her back to Colorado in 1995.

Timi was a devoted mother to her daughters, Spencer and Alexa, who always came first in her life. Her devotion to her girls was evident to all who knew her, and she spent the majority of her time focusing on filling their lives with love, comfort, and amazing experiences. She also was a lover of all creatures, opening her home and heart to many fortunate dogs. Timi made friends wherever she went, working to maintain those friendships over time and distance. She was known for "real hugs," offering them generously.

Timi is survived by her father; her siblings Ramie "Terry" Smith, John Wolfe, and Lori Wolfe; her children; and nephews, Isaiah and Davon Smith. She was predeceased by her mother.

Contributions to Spencer's and Alexa's college funds may be made to: Timi S. Wolfe Memorial Fund, c/o Wells Fargo Bank, N.A., P.O. Box 5247, Denver, CO 80217-9927, MAC# C7335-011.

GRADUATE ALUMNI

Paul F. Deisler Jr. *52

Paul Deisler, a chemical engineer who retired as a vice president of Shell Oil Co., died Aug. 5, 2015, at age 89.

After Navy service in World War II, Deisler earned a chemical engineering degree from Texas A&M in 1948. In 1952, he received a Ph.D. in chemical engineering from Princeton. He then began a 34-year career with Shell, initially in research, and continuing in several other areas. He retired in 1986 as vice president for health, safety, and environment for Shell in Houston, Texas.

Deisler published numerous scientific articles, especially on cancer risk in the workplace. He established fellowships at Texas A&M, Princeton, and the University of Colorado (where his wife earned a chemical engineering degree). For more than 40 years, Deisler contributed to the Graduate School's Annual Giving campaign.

In his active retirement, Deisler was on the executive committee of the Science Advisory Board of the U.S. Environmental Protection

Agency. He also was a visiting professor at the University of Houston, as well as a board member of several scientific and research organizations.

Deisler was predeceased in 2011 by Ellen, his wife of 61 years. He is survived by three children (including Paul Conrad '78), and five grandchildren.

John P. Wentworth *62

John Wentworth, a retired U.S. Foreign Service officer, died Oct. 3, 2015, at age 90.

Born in 1925, Wentworth was on active duty with the Navy from 1943 to 1950. He attended Dartmouth from 1943 to 1944 and earned a bachelor's degree in 1946 from Case Western Reserve University. He later took courses at MIT, George Washington, American, and Indiana universities.

Before joining the State Department in 1955, Wentworth worked as an electronics engineer at Hughes Aircraft and Boeing. From 1961 to 1962, he studied at Princeton as a Foreign Service Institute Fellow at the Woodrow Wilson School in its non-degree, mid-career program, one of the first five visiting students in this program.

Wentworth had been stationed in Colombia, Cyprus, Southern Rhodesia (now Zimbabwe), Ethiopia, Israel, and Australia before retiring from the Foreign Service in 1979. In 1958, during the civil unrest in Cyprus, he was a would-be assassin's target. He spoke five European and two African languages.

Predeceased by Jocelyn, his wife of 58 years, he is survived by two children and two grandchildren. Their daughter, Carolyn Henderson, wrote, "He was kind to everyone; a real gentleman."

Michael M. Wigodsky *64

Michael Wigodsky, retired professor of classics at Stanford University, died May 9, 2014, of cancer. He was 78.

He graduated from the University of Texas in 1957, and was awarded a Ph.D. in classics from Princeton in 1964. He was a fellow at the American Academy in Rome from 1960 to 1961.

After teaching as an instructor at Florida State University for a year, he went to Stanford in 1962 and remained there until 1998, when he retired as a full professor.

In 1972 he published his book, *Virgil and Early Latin Poetry*, which was followed by several articles on Latin poetry, as well as on the Epicurean library in Herculaneum and its associations with Virgil and Horace.

He was a faithful member of the West Coast Aristotelian Society until recently, when he began losing a long battle against cancer.

R. Stockton Gaines *69

Stockton Gaines, a founder of Acorn

Technologies Inc., died Oct. 9, 2015, of cancer, at the age of 81.

Gaines graduated from the Naval Academy in 1956 and served as an officer in the Navy. In 1969, he earned a Ph.D. in electrical engineering at Princeton and then worked for the Institute for Defense Analyses in Princeton. In 1974, he joined the Rand Corp., where in 1977 he co-designed a new email system, "MH," based on the UNIX operating system.

Later, at the University of Southern California, he directed an innovative research program at the Information Sciences Institute. Gaines also consulted with such companies as IBM, Honeywell, Unisys, Control Data, and Northrup, as well as venture-capital firms.

In 1998, with three colleagues, he founded Acorn Technologies, an intellectual-property research-and-development company focused on the semiconductor and telecom industry.

Descended from the Stockton family of Princeton, Richard Stockton Gaines was named for Richard Stockton, a member of Princeton's first graduating class in 1748 and a signer of the Declaration of Independence. His late father, T. Stockton Gaines 1923, and numerous other relatives have been Princeton alumni.

Gaines is survived by Lynn, his wife of 56 years; a son; and two grandchildren.

Thomas J. Chippendale *77

Thomas Chippendale, who had been a physician/neurologist at the Neurology Center in Encinitas, Calif., for almost 30 years, died April 2, 2014, of lung cancer. He was 65.

Chippendale earned a bachelor's degree at UC Irvine in 1971, and in 1972 was awarded a master's degree in pharmacology and therapeutics from that institution. In 1977, he received a Ph.D. in psychology from Princeton and earned a medical degree from Irvine in 1980. By 1984, he had completed his medical internship and his residency in neurology. He became board-certified in neurology, psychiatry, and integrative holistic medicine.

In 1984, Chippendale joined the Neurology Center, where he practiced before retiring in 2013. He also served on the medical staffs at Tri-City Medical Center and the Scripps Memorial Hospital Encinitas from 1985 to 2013. At Scripps, he was medicine department chair, chief of staff, and stroke medical director.

He was recognized by his colleagues for his dedication to neurosciences and rehabilitation services, as well as his commitment to his patients, students, and community. He and his wife created a mindfulness-based stress-reduction course at Scripps Encinitas that served the community for almost 20 years.

Chippendale is survived by his wife, Julie; and three children.

Graduate memorials are prepared by the APGA.

Classifieds

For Rent

Europe

Rome: Bright, elegant apartment. Marvelous beamed ceilings. Antiques. Walk to Spanish Steps, Trevi Fountain. 609-683-3813, gam1@comcast.net

Provence: Delightful five-bedroom stone farmhouse, facing Roman theater. Pool, WiFi. 860-672-6607. www.Frenchfarmhouse.com

Paris, Left Bank: Elegant apartment off Seine in 6th. Short walk to Louvre, Notre Dame. 609-924-7520, gam1@comcast.net

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: gganzz@comcast.net

Rome: Elegant 2-4BR historic apartment, modern conveniences! tkim@stollberne.com

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

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

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

Paris 7th: Fifth floor, quiet, studio sleeps 3. Balcony. View Eiffel Tower. www.parisgrenelle.com, 207-752-0285.

Provence: Stunning views from rooftop terraces, french charm throughout apartments in restored medieval house. Sleeps 2-10. Vineyards, boulangerie, restaurants, hiking. \$900-\$1500/wk, www.chezkubik.com

Paris, Tuileries Gardens: Beautifully-appointed, spacious, 1BR queen, 6th floor, elevator, concierge. karin.demorest@gmail.com, w*49.

Rome, Italy: Breathtakingly beautiful art-filled apartment on via Gregoriana near Spanish steps. 2 bedrooms in a 17th century palazzo. Mariaceliswirth@yahoo.com, 212-360-6321.

Aix-en-Provence: Cours Mirabeau, heart of town. Well appointed, 2 bedroom apartment, remarkably quiet, steps to shops & restaurants, garage. Perfect for exploring Provence. \$1500/week. greatfrenchrentals@comcast.net

Going to Italy?

Let a Stanford alum who lives there guide and drive you. He'll follow your lead if you wish or he'll surprise you with discoveries he's made — over nearly 20 years — off "the beaten track." Or both! Your wishes are his commands.

www.follow-your-nose.com

Paris 16th: Le charme discret de la bourgeoisie. Spacious one-bedroom apartment, 6th floor, elevator, metro Mirabeau. Beautifully equipped for long stay. trips@frenchtraveler.com

Côte d'Azur, Nice, Grasse. Looking for authenticity? Townhouse pristine village near Gorges du Loup, breathtaking views, 2 bedroom, 2 bath. \$1400/week. Great for sabbaticals. valsutter@gmail.com

Have a fabulous second home to rent?

Advertise it in PAW where you will reach readers that will treat your home as their own!

Contact Colleen Finnegan
cfinnega@princeton.edu
609-258-4886



England, Cotswolds: 3BR stone cottage, quiet country village near Broadway and Stratford-upon-Avon. Information: www.pottersfarmcottage.com, availability: pottersfarmcottage@msn.com



Discover Provence this Summer

Small group tours. Slow pace. Authentic.

Step out of the guidebook and experience Provence

TheModernTrobadors.com 603-430-8694 p'13

Ireland — Scenic Southwest: Stay at private historic house. www.glenlohane.com, www.motoexcalibur.com, k'33.

Eygalières, Provence: 17th C farmhouse and guesthouse (sleeps 12/6) rentable independently on outstanding estate, amid gardens and olive groves, views of the Alpilles, large swimming pool, tennis court, close to historic sights, markets, cafés. lidia.bradley@gmail.com, s'84.

Paris Luxembourg, Port Royal and Saint Jacques, full of light, large one bedroom apartment, 75m.sq., completely redesigned, elegant furnishing, antiques. 950 euros/week, gregoire.mallard@graduateinstitute.ch

Caribbean

Bahamas, Eleuthera. Beachfront villa, 4BR, 5BA, swim, snorkel, fish. www.heronhill.net

South America

2016 Olympic Games in Rio: 4-room penthouse, stylish building of the 1940s (parking space for one car, maid service 3 days/week), with wide sea-front veranda facing the Sugarloaf, and spectacular view on the entry of the Rio Bay. Contact: mano@valorcafe.com.br *80, isabelopcl@gmail.com

United States Northeast

Waitsfield, VT: 6BR, 3BA, fireplace. Spectacular golf, riding, tennis, biking, hiking. MadRiver swimming. 2 day minimum. 978-922-0010, w'51.

Martha's Vineyard: Your Tiger specialist for all-island rentals/purchases! eliser@mvlandmarks.com, @MVislandliving, Coldwell Banker Landmarks Real Estate. Elise Ryan '76.

Classifieds

United States Northeast

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

Cape Cod: Waterfront estate (sleeps 16-20) in charming Osterville near many public golf courses. Boathouse, dock, hot tub, kayaks, sunsets. Perfect for family reunions. pesimons@aol.com, s'70.

Lake Champlain, VT: Lakeside 3BR, 2BA, beautifully appointed, views! Vermontproperty.com, #1591. douglas_grover@ml.com, '73.

Southold, Long Island: Renovated North Fork wine/ beach home, 2BR, 2BA, sleeps 5. cmorgenroth@gmail.com, '02.

Maine: Acadia National Park; Bar Harbor/Ellsworth area. Lakefront cottage, kayaks, canoe, rowboat. \$750/wk. 207-671-2726. Sandraquine@yahoo.com, facebook.com/Quine-Molasses-Pond-853961801392921

Nantucket Shimmo: 5 bedrooms, 3 baths. Harbor view. www.weneedavacation.com/Nantucket/Shimmo-Vacation-Rental-12324 for pictures, rates, availability. TedBent@earthlink.net, '66.

Maine, MidCoast: Lovely, contemporary 3BR/2BA home, 3.5 wooded acres, frontage on Sheepscot River below Wiscasset ("the prettiest village in Maine"). All amenities. Privacy yet 10 minutes from Route 1 & town center. Great all seasons! www.vrbo.com/4135518ha or hhutcheson@alumni.princeton.edu, '68.

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.

Beautiful Palm Springs 4 bed midcentury: www.vrbo.com/772785, norawilliams@gmail.com '82.

Bozeman, Montana: 2BR cabin w/trout pond, hiking trails. Near Montana State University town, blue ribbon native trout streams, 90 minutes: Yellowstone Park, \$350/night. Nick Davis '60, mintnd2@gmail.com

Park City/Deer Valley, Utah: 3 BR ski-out condominium in Upper Deer Valley. Newly remodeled, hot tub, beautiful views, available all seasons. Reasonable rates. 937-825-4137 or pjkolodzik@aol.com, p'12.

United States Southeast



Waterfront Rental · 9 Luxe Bedrooms · Sleeps 30 Guests
Corporate Retreats · Reunions · Celebrations · Family Escapes
www.SeaOatsCaptivalsland.com · 800.787.5829

Tours/Expeditions

Viking Trail Experience. Icebergs, lighthouses, whales, UNESCO World Heritage sites, fossils, abundant wildlife, diverse archaeology and geology. Newfoundland and Labrador. Comfortable local hotels. Award-winning hosts. Wildland Tours. (888) 615-8279. www.wildlands.com

Antarctica. Fjords — Sail the waters of Shackleton and Darwin. Family, Reunions, Science. Princeton Alumna Owner/Operator, www.quixote-expeditions.com

Newfoundland Adventure. Whales, puffins and icebergs. Vibrant St. John's and enchanting outports; lobster, lighthouses and dramatic coastal trails. Gentle 7-day escorted adventures. Small group explorations. Wildland Tours. (888) 615-8279. www.wildlands.com

Real Estate For Sale

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

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



SPRAWLING MULTI-GENERATIONAL CONTEMPORARY IN PRINCETON

On gated park-like grounds, this impressive home has soaring ceilings, walls of glass, and gleaming oak floors. \$2,675,000

Barbara Blackwell Callaway Henderson Sotheby's
609.915.5000 (c) 609.921.1050 (o) 4 Nassau St, Princeton, NJ

Mountain Golfers' Paradise: Quality timber frame on 2.44 acres in gated community in Cashiers, NC (elevation 3500'). 15 golf clubs within 10 miles! 3400 sq. ft with 4BR/4BA & 1000 sq. ft. decks. \$890,000 — B.Y.B.O. cliffroltsch@aol.com, '57.

Jersey Shore, in Central Pennsylvania



1801/1845 Farmhouse, comfortable elegance, authentic craftsmanship. Fine hardwood floors. Wonderful porches, including sleeping porch. Spectacular views of mountains, fields, sky. 1834 huge bank barn in good shape with new Amish roof. Zoned horses/animals. Gardening. Big trees. Near bike trails, kayaking, AA trout stream. Civil War history. \$359,900. MarcDrier '76, 570-419-2978 marcdrier@aol.com

Princeton, NJ: Lovely traditional home, Riverside area, close to University, lake, and town. 4 BR + study, half acre, most desirable school district. \$1,100,000. jsil@princeton.edu, '69.

4.5+ Acre Nantucket Oceanfront Estate www.mistymoors.com '63.

Sell to a tiger!

Whether you are selling your primary residence or a second home, advertise in PAW and reach your fellow alumni.

For information and assistance with placing your ad contact advertising director, Colleen Finnegan at cfinnega@princeton.edu or 609.258.4886.



Art/Antiques

Dave Hall Landscape Art: I am moved by the half-light of dawn and dusk, and my paintings are inspired by... MovingWater.org

Paintings for Sale. Art inspired by work and travel by retired Ambassador Richard Erdman '67, www.artofdiplomacy.gallery

Princetoniana

Pass your Princeton treasures on to the next generation!

Advertise your Princetoniana in PAW Classifieds.

Contact Colleen Finnegan, cfinnega@princeton.edu or 609-258-4886



Books

Calling All Princeton Authors!

Reach **98,000** readers by promoting your book in PAW's **2016 Summer Guide to Princeton Authors**

Cover dates: June 1 & July 6
Space deadlines: April 20 & May 2

Contact Colleen Finnegan
cfinnega@princeton.edu • 609-258-4886

Educational Services

College and Graduate School Consultant.

Allison Baer, Ph.D. (Princeton '96, Columbia '03) guides students through the admissions process. Over 90% of her students are accepted to one or more of their top schools! Call 212-874-2424 or visit www.allisonbaerconsulting.com today.

Law School? Prelawexperts.com, team includes Lyon Zabsky, former Princeton pre-law advisor.

Positions Available

Personal/Childcare Assistant;

Housing Included. New York — Devoted professional couple with two wonderful, busy, school-aged boys seeking a highly intelligent, amiable, responsible individual to serve as personal assistant helping with child-care, educational enrichment, and certain other activities. Assistant will have a private room (in a separate apartment with its own kitchen on a different floor from the family's residence), with private bathroom, in a luxury, doorman apartment building, and will be free to entertain guests in privacy. Excellent compensation including health insurance and three weeks of paid vacation, and no charge will be made for rent. This is a year-round position for which we would ask a minimum two-year commitment. If interested, please submit cover letter and resume to nannypst@gmail.com

Family Medical Coordinator and Project Manager: Highly intelligent, unusually competent individual with a background in science and exceptional communication skills sought by Manhattan family to research and coordinate family medical and healthcare issues. The right applicant will be detail-oriented and possess the ability to track multiple projects and juggle multiple competing priorities. This person will interface with an in-house team of professionals as well as physicians, medical researchers, and consultants

(in academia and otherwise) to ensure delivery of highest-quality medical care to family members. Considerable weight will be given to unusual academic distinction and other intellectual achievements. This is a full-time position with a highly attractive compensation package and significant upside potential. Please send resume to pmrrecruit@gmail.com

Personal Assistant: Highly intelligent, resourceful individual with exceptional communication skills and organizational ability needed to support a busy executive. Primary responsibilities include coordinating a complex schedule, assisting with travel, and providing general office help in a fast-paced, dynamic environment. An active approach to problem-solving is essential. Prior experience assisting a high-level executive is a plus. We offer a casual atmosphere in a beautiful space, working as part of an extraordinary group of gifted, interesting individuals. This is a full-time position in New York with excellent compensation and benefits, as well as significant upside potential and management possibilities. Please e-mail your resume to hlparecruit@gmail.com. Please note that, due to the high number of respondents, we will unfortunately be unable to reply to every inquiry.

Development Officer for International Nonprofit: Growing organization seeks experienced, part-time development officer, with excellent writing skills and commitment to children, peace & reconciliation. Work from Washington, DC office or remotely. Ideal for recently-retired individuals looking to make a difference, '60. Contact josh@k4p.org

If you like reading PAW, consider working here!

PAW is searching for a talented and energetic editor/writer to oversee two of our most important coverage areas: alumni and research.

To apply, visit: jobs.princeton.edu/applicants/Central?quickFind=68097

Questions?
Email paw@princeton.edu



Personals

Seeking accomplished, professional men, 45-80, to be matched with our very

lovely and outstanding female clients in NY-DC-New England. Photo & bio to: sandy@therighttimeconsultants.com, or call: 212-627-0121. www.therighttimeconsultants.com

Where Ivy League and Oxbridge people find love — BluesMatch.com

SINGLE IVY GRAD?

Date accomplished graduates, students and faculty from the Ivy League and other top ranked schools. Join our network today.

THE RIGHT STUFF

www.rightstuffdating.com • 800-988-5288

Experienced NYC Matchmaker offering personalized introductions, specializing in educated professionals; complimentary for men. 212-877-5151, fay@meaningfulconnections.com, www.meaningfulconnections.com

ATHENA PHEROMONES™ INCREASE AFFECTION



Created by Winnifred Cutler, Ph.D. in biology from U. of Penn, post-doc Stanford in behavioral endocrinology. Co-discovered human pheromones in 1986 (*Time* 12/1/86; and *Newsweek* 1/12/87) Author of 8 books on wellness.

PROVEN EFFECTIVE IN 3 DOUBLE-BLIND STUDIES



Unscented
Fragrance
Additives

Vial of 1/6 oz. added to 2-4 oz. of your fragrance, worn daily lasts 4-6 months, or use it straight.

Athena 10X™ For Men \$99.50
10:13™ For Women \$98.50
Cosmetics Free U.S. Shipping

♥ **Alicia (NC)** "I love your product! An attorney, I am 43 and relatively attractive. I know from my ongoing experience with the 10:13, there's got to be science behind this. So many people tell me how much younger I look than my age, or how good I smell."

♥ **Jay (WA)** "With the 10X, now my wife is flirt and loving like 30 years ago when we were first married!"

Not in stores  610-827-2200

Athenainstitute.com

Athena Institute, Braefield Rd, Chester Spgs, PA 19425 PAW

Wine

Princeton Alum Winery: Princeton family ('92, '87, '62, '60) makes acclaimed Pinot, Syrah, Sauvignon Blanc & Chardonnay at Kingston Family Vineyards in Casablanca, Chile, www.kingstonvineyards.com

From an advance notice of the mass streak, in the *Prince*. The caption reads: "A funny thing happened on the way to the forum."



They Bared It All for This Ivy Title

John S. Weeren

Streaking, defined by the *Oxford English Dictionary* as “the act of running naked in a public place,” gripped campuses across the United States in 1974, meeting with more smiles than scowls. Princeton was no stranger to flashes of public nudity, symbolized by what Susan Williams ’74, reporting for PAW, called “the famed ‘Winter Olympics’ of Holder Courtyard,” but the “mass streak” of March 8 was in a league of its own.

At 8 p.m. on a cold, damp night, 75 male students burst from Cuyler Hall, determined, in the words of participant and *Daily Princetonian* editor Andrew M. Pollack ’75, “to bring some small measure of cheer into the lives of their compatriots, to add another chapter to Tiger history, and to act like complete idiots in front of TV cameras.” Having braved a crowd of some 300 onlookers in Cuyler Courtyard, the streakers proceeded on a barebones tour of campus. They disturbed the peace of Firestone Library, rousing “even the people smooching in the carrels on C-floor”; they crashed a debate in the Whig Hall senate chamber and

a screening in McCosh 10; and they fortified themselves at the Pub, where most “just pointed downward” when asked for their IDs.

But the highlight of the night was undoubtedly their visit to Dillon Pool, where the Eastern Seaboard Swimming and Diving Championships were underway. There, as New Jersey Public Television cameras rolled, the streakers stole the show if not the title (which Princeton clinched the next day) by circuiting the pool and, in some cases, swimming its length. “Oh, you should have seen their faces,” exulted one participant. “It was worth it.”

By night’s end, “Streaker Central,” as the organizers styled themselves, could claim a title of its own — the Ivy League record for clocking the most “nude person-yards” at roughly 1,500 yards a head, crushing Yale, which had staged a daylight streak in February. Princeton’s was a feat, wrote Pollack, “to be equaled never more.” ♦

John S. Weeren is founding director of Princeton Writes and a former assistant University archivist.



Annual Giving is behind every great Princeton classmate.

When Princeton students have a big dream, they build it—together.

Kirk Robinson '17 and **Ben Sorkin '17** are engineering students who drive Princeton Racing Electric. These fast friends are leading a team to construct a race car from scratch, and they're cheering each other on—all the way to the finish line.

Your support of Annual Giving helps sustain the Princeton experience for students today and tomorrow.

This year's Annual Giving campaign ends on June 30, 2016. To contribute by credit card, please call the gift line at 800-258-5421 (outside the US, 609-258-3373), or use the secure website at www.princeton.edu/ag. Checks made payable to Princeton University can be mailed to Annual Giving, Box 5357, Princeton, NJ 08543-5357.



A N N U A L
G I V I N G

DAVID YURMAN



HAMILTON
FAMILY-OWNED JEWELERS SINCE 1912

92 Nassau Street, Princeton. 609.683.4200