

Rochester

UNIVERSITY OF ROCHESTER/SPRING 2019

Review

WOMEN OF INVENTION
Meet some of Rochester's notable inventors.

NOW ON NETFLIX
Maddy Wary '22 makes her debut.

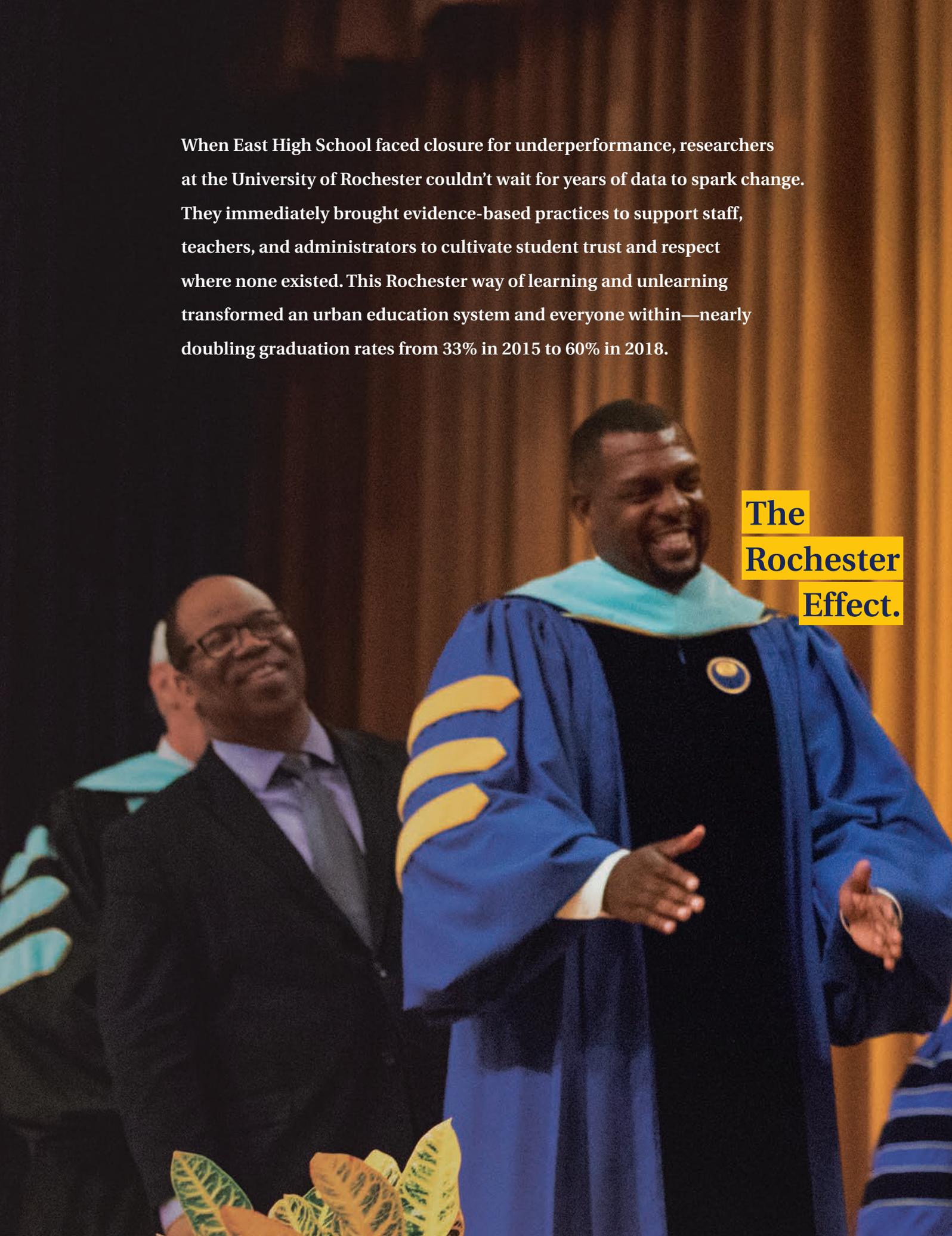
BOSTON BOUND?
Some wicked smart alumni show us their town.

A Family Affair

After a devastating accident, Giuliano de Castro '20 found support from faculty, staff, and fellow students—like his mother and father.



When East High School faced closure for underperformance, researchers at the University of Rochester couldn't wait for years of data to spark change. They immediately brought evidence-based practices to support staff, teachers, and administrators to cultivate student trust and respect where none existed. This Rochester way of learning and unlearning transformed an urban education system and everyone within—nearly doubling graduation rates from 33% in 2015 to 60% in 2018.



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*deceased

Features

SPRING 2019



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Women of Invention

About half of the patent-seekers affiliated with Rochester are women—a figure that places the University among top academic institutions for the percentage of women patent applicants from 2011 to 2015. Dermatology professor Lisa DeLouise and biomedical engineering professor Danielle Benoit (above)—part of a team trying to regenerate salivary gland cells to help some cancer patients—are among those working on new technologies. *By Bob Marcotte; photographs by J. Adam Fenster*

ON THE COVER: Giuliano de Castro '20 (center), with his parents, Gilberto and Márcia; photograph by J. Adam Fenster



22 All in the Rochester Family

When Giuliano de Castro '20 was paralyzed in a car accident, his parents left their home in Brazil to support him in Rochester. Now all three are students at the University, bonded by hope, love, and college. *By Jim Mandelaro*

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More than 5,000 alumni call Boston home. Join a few of them for a tour of a city that combines history, culture, and 21st-century innovation in ways that few others can match, in our latest tour of Rochester's regional networks. *By Kristine Thompson*

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Reflections from Wallis Hall

Thank you for the honor of serving as president, an opportunity that has enriched my appreciation for how strong the University community is.

By Richard Feldman

The Class of 2019 will graduate this May. I still find myself exhilarated by these milestones after more than 40 years as a part of this community. Graduation marks a season of accomplishment and celebration. It also offers an opportunity for reflection.

As I've said many times over the last year and a half, I never expected to find myself in the position of leading this institution. When I stepped down as dean of the College two years ago, I was looking forward to a return to my career as a philosophy professor.

Instead, I was surprised—and humbled—to be asked to lead the University through an important period of transition. I am grateful to everyone who entrusted me with this honor and everyone who worked with me during this time. Though I have spent my academic career here, I now have a more deeply grounded understanding of Rochester and all it stands for. I have a much greater appreciation for the breadth and depth of our collective talents. Hearing from, meeting with, and learning more about so many of you has been a true pleasure.

Our motto *Meliora* frames a certain expectation for excellence. We are a community of scholars, students, researchers, teachers, staff members, artists, performers, and clinicians, who every day are making the surrounding world better. That work is often selfless and often unremarked on, but it grows ever stronger.

As president, I have been privileged to observe progress in all our academic programs, with all schools, units, and the Medical Center demonstrating success.

The Warner School of Education and Arts, Sciences & Engineering have welcomed outstanding new deans. The School of Nursing climbed five spots to 21st in the 2018 ranking of NIH-funded research. The MBA program at the Simon Business School was named the “Program of the Year” by the publication *Poets & Quants*.

The Eastman School of Music and the Medical Center have launched Eastman Performing Arts Medicine, a project aimed at wellness education and integration of performance in hospital and rehabilitation environments. The Medical Center, a



national leader in research as well as care, is overseeing the largest long-term investigation of brain development and child health ever undertaken in the United States.

The River Campus Libraries is collaborating with AS&E to respond to the vibrant research occurring in augmented and virtual reality on a project called “Studio X”—Experience-Explore-Experiment.

The current first-year class in the College represents one of the most selective and academically qualified groups of students ever admitted to Rochester. While final figures won't be available until later this year, we expect the Class of 2023 to be just as outstanding. Our faculty members are being widely recognized for their efforts to change the humanistic and scientific landscape worldwide.

In December, I had the opportunity to attend the Nobel Prize ceremony in Stockholm at the invitation of alumna Donna Strickland, who earned her PhD here in 1989 and made history as only the third woman to receive the Nobel Prize in Physics. She joins a cadre of Rochester alums such as Richard Thaler '74 (PhD), former Secretary of Energy Steven Chu '70, and Arthur Kornberg '41M (MD), who have been recognized for their contributions to humanity and society.

Professor Strickland's work at our Laboratory for Laser Energetics reflects Rochester's mission as a top research university. Her study of chirped-pulse amplification has aided a broad range of innovations from cancer treatments to eye surgery to smartphone technology and how we understand energy at an atomic level.

Professor Strickland's honor, and our pride in the shared affiliation, underscores that the spirit of *Meliora* is driven less by a desire for recognition and more by an ambition to leave our world, and the University community, better than we found it.

I anticipate that the Vision & Values Statement we adopted last year will continue to anchor our individual and collective interactions. We have refashioned policies and strengthened training programs. We have collaborated to make our practices and processes more understandable, and our resources more accessible. We have tried to be as transparent about our actions as possible. We are working to build and develop a new Office of Equity and Inclusion that will form the center for our ongoing efforts.

We will continue the hard work of building a culture in which everyone can thrive, where we respect and value the contributions of others. As a university, we are a laboratory of ideas. We embody a wide variety of thoughts and experiences. We often disagree, but some of the best ideas are born out of disagreement and explored through thoughtful discourse.

More than ever, it is critical for us to use our tradition of constructive dialogue as a foundation for strengthening our Culture of Respect, and to continue having difficult conversations that break down walls.

I am confident that the University, under the leadership of President Sarah Mangelsdorf, will continue to draw strength from our shared commitment to equity, inclusion, and the ideal of *Meliora*.

Having been vested with the responsibility of stewarding this institution through an interim period of growth and reflection, I hope that I will leave the institution better than I found it. I'm gratified by what we have been able to accomplish, and I look forward to an ever stronger future. 

Aw, Shucks . . .

Congratulations for the superlative Winter 2019 issue. Powered by the radiance glowing from your cover of President Designate Sarah Mangelsdorf, the standard alumni magazine format was transformed, presenting the unique in personalities, from letters to the back cover image of the balsa engineering competition.

In all, a handsome, well-designed, inclusive, and representative presentation of this University today. May I predict that the coming Day of Giving will demonstrate the effectiveness of your leadership.

*Gail Hitt '57
Bronx, New York*

Remembering a Musician and a Friend

I was surprised and saddened to learn of the recent death of Norman Schweikert '61E (In Memoriam, Winter 2019). He died at the age of 81 in December 2018. I first became aware of him in April 1959, when I saw him perform as principal French horn of the Eastman Wind Ensemble under the late Frederick Fennell '37E, '39E (MM), '88 (Honorary) at Troy Music Hall in Troy, New York.

I was a 14-year-old freshman at Troy High School at the time and the horn was my instrument. I was so impressed with the wind ensemble's playing that day that I decided I wanted to be part of the University of Rochester and Eastman School of Music scene; and so it came to pass.

After I graduated from UR, I made it a point to become acquainted with him and thus began a friendship of 50-plus years.

Mr. Schweikert's accomplishments on the horn are too numerous to mention here, but in addition to his playing and teaching, he was a scholar, amassing what is probably the most thorough, privately researched body of information on who played what, when, and where in American symphony orchestras.

His research extended to foreign orchestras as well. By combining excellent performance with exceptional scholarship, he exemplified perhaps the finest tradition of our University.

*Harrington (Kit) Crissey Jr. '66
Elkins Park, Pennsylvania*

A Slam Dunk Image?

David Keller '82, '84 (MS) of Pleasantville, New York, writes to say that he saw four fellow members of the Class of 1982 playing basketball in the archival photo that opened Class Notes in the Winter 2019 issue.

They are (left to right) Eric Forman '82, Scott Mack '82, Stuart Goodman '82, '88S (MBA), and Jay Sharin '82.

Review welcomes letters and will print them as space permits. Letters may be edited for brevity and clarity. Unsigned letters cannot be used. Send letters to Rochester Review, 22 Wallis Hall, Box 270044, University of Rochester, Rochester, NY 14627-0044; rochrev@rochester.edu.



SCORE! A member of the Class of 1982 recognizes classmates in the winter issue's archival photo.

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Editor

Scott Hauser

Associate Editors

Karen McCally '02 (PhD)

Kathleen McGarvey

Contributors

Jeanette Colby, Theresa Danylak, Adam Fenster, Emily Gillette, Ruth Harper-Rhode, Peter Iglinski '17 (MA), Sandra Knispel, Phyllis Mangefrida, Jim Mandelaro, Bob Marcotte, Melissa Mead, Sara Miller, Dennis O'Donnell, Scott Sabocheck, Kristine Thompson, Laura Torchia, Lindsey Valich, Jim Ver Steeg '15W (MS)

Business Manager

Maureen Baisch

Editorial Office

147 Wallis Hall
University of Rochester
Box 270033, Rochester, NY 14627-0033
(585) 275-4118
Fax: (585) 275-0359
rochrev@rochester.edu
Rochester.edu/pr/Review

Address Changes

300 East River Road
Box 270032
Rochester, NY 14627-0032
(585) 275-8602; toll free: (866) 673-0181
giftoffice@rochester.edu
Rochester.edu/alumni/stay-connected/
alumni-update-form

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UNIVERSITY of
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BIOLOGICAL BREAKTHROUGH

Maker of Nacre

PEARLY WHITES: Chinese river pearls, a natural version of the material known as nacre or mother-of-pearl, are one model for a project led by Anne S. Meyer, an associate professor of biology, to create an artificial form of nacre. Using bacteria as a base material, Meyer is working to develop an environmentally friendly, artificial version that would have the strength of natural nacre and be pliable enough to have potential applications as bone implants and materials for aircraft or structures.

PHOTOGRAPH BY J. ADAM FENSTER





MATCH-DAY MOMENT

Prescription for Happiness

COUPLES MATCH: Members of the families of medical students Daniel Underberg and Aditi Simlote celebrate during the annual Match Day ceremony this spring, when they found out that Underberg and Simlote would both go to Northwestern University for their residency training. The two met as medical students at Rochester and had applied to be matched as a couple. When that was announced, Simlote's sister, Preya (this page), Underberg's mother, Sharon (opposite, left), and Simlote's mother, Anu (opposite, right), were also very happy. **PHOTOGRAPH BY J. ADAM FENSTER**





NEXT PRESIDENT: Mangelsdorf will become Rochester's 11th president when she begins her tenure this summer.

PRESIDENTIAL HISTORY

Sarah Mangelsdorf to Be Inaugurated During Meliora Weekend

The ceremony is set for Friday, October 4.

The inauguration of Rochester's next president, Sarah Mangelsdorf, will be celebrated during Meliora Weekend this fall.

The formal installation ceremony will happen on Friday, October 4, as one of the signature events of the annual University celebration, taking place October 3 to 6.

Currently the provost at the University of Wisconsin–Madison, Mangelsdorf is an experienced academic leader recognized for her work on issues of academic quality, educational access, and diversity and inclusion at some of the nation's leading public and private institutions.

Introduced to the University community last December, she will become the first woman to lead Rochester when she succeeds Richard Feldman as the University's chief executive on July 1.

As provost at Wisconsin, Mangelsdorf serves as the institution's chief operating officer, with responsibilities that include oversight of all academic programs and budget planning for 12 schools and colleges, including education, business, engineering, and graduate

studies, as well as the School of Medicine and Public Health and the School of Nursing, which are affiliated with UW Health, the integrated health system of the University of Wisconsin–Madison.

She is also a professor of psychology who is internationally known for her research on the social and emotional development of infants and young children.

She served as dean of the Weinberg College of Arts and Sciences at Northwestern University before becoming provost at Wisconsin in 2014.

Mangelsdorf began her academic career at the University of Michigan and in 1991 moved to the University of Illinois at Urbana-Champaign, where she later was dean of the College of Liberal Arts and Sciences. 

Details of the inauguration will be shared with the University community as the event nears. For updates, visit Rochester.edu/inauguration.

NOW ON NETFLIX

A Big Screen Debut

First-year student Maddy Wary shares screen time with Ben Affleck.

Interview by Jim Mandelaro

Many students work or go on vacation the summer before they start college.

Maddy Wary '22 made a movie.

The mathematics and brain and cognitive sciences double major from Kailua, Hawaii, filmed scenes for the action thriller *Triple Frontier*, which debuted on Netflix and had screenings in limited theaters across the country in March. She plays Tess Davis, the daughter of Ben Affleck's character, Tom (Redfly) Davis.

Part of *Triple Frontier* was filmed in Hawaii. Wary's mother, Tina, had signed her daughter up with a Honolulu-based talent agency, and Maddy was selected over a handful of other teenaged girls for the part. It was her film debut.

What was your acting experience before *Triple Frontier*?

I was in a commercial when I was young for one of the restaurants my dad owns, and I was a KidCaster for a local news station.

What was the audition process like?

The first audition was only 25 minutes, and 15 of those were just me waiting to be called in. I just had to play a teenager, which was easy for me. I absolutely freaked out when the casting director called to tell me I got the part. I was at school and just started jumping up and down in the middle of campus.

How long was production?

The movie took a couple of years, although I only worked for about four weeks. It's a lot of sitting around and waiting. One day, it took 12 hours to film me walking from the house and getting into the car.

What do your friends and classmates think?

When I got to college, whenever I told someone I was in a movie, they wouldn't believe me. A couple of days later, I'd get a frantic text along the lines of, "I looked up the movie. You weren't kidding, you're actually in it!! I saw you in the trailer!"

Did you know much about Ben Affleck and his work?

I really only knew him from *Good Will Hunting* and that he had played Batman. He's very polite and well-spoken, and you can tell he's a professional.

Do you have the acting bug?

Of course! I'm constantly acting. Every chance I get to become a different person with my friends, I'll do it. You get to see the world

through a different perspective, and that's the greatest feeling in the world.

What else do you like to do?

I love reading. If I could have a vacation and just read all day, I'd be in heaven. I also love Harry Potter. Whenever it rains on the weekend, I marathon-watch Harry Potter movies. I love playing guitar, ukulele, and piano, and being outdoors—to go on a hike, go to the beach, surf, or snowboard.

What interests you about your two majors?

With BCS, I first became obsessed with it when I was in sixth grade and watched a *60 Minutes* episode on studies involving dreams. That got me hooked on the brain, and how it functions during sleep. And ever since I can remember, math has been my favorite subject in school. I love problem solving.

What's the best thing about being at Rochester?

Joining Club Tennis. Without it, I don't know where I would be. I love everyone on the team, and they're the reason why I feel at home here.

What do you like best about living in Rochester?

I love how I can be in the elevator with a complete stranger and feel comfortable making small talk. I love how I can take the Amtrak over to Buffalo or Toronto for the weekend. Rochester makes me feel like there are so many opportunities.

What are your career goals?

I hope to one day discover something, teach others, help others, and maybe start my own business. There are endless opportunities out there, and I'm excited to see where my life takes me. 🍀

Maddy Wary '22: From Movies to Mathematics

Current claim to fame: Plays the daughter of Ben Affleck's character in the Netflix movie *Triple Frontier*

Majors: Brain and cognitive sciences, mathematics

Hometown: Kailua, Hawaii, on the island of Oahu

Why Rochester? "The open curriculum is the main reason. I have a wide range of interests, so having the freedom to mix and match my courses was really important."

Favorite class: "Every single one of them!"

Dream roles: Thor or Loki, the Norse gods who are regulars in the Marvel cinematic universe.



LITERATURE

How Do Poems Get Made?

James Longenbach offers an explanation for the pleasures of poetry.

By Kathleen McGarvey

Speakers of a language rely on its words to carry out even the most mundane acts of communication. But the same words are poets' medium of creation.

How do poets turn bare utterance into art?

James Longenbach, the Joseph Henry Gilmore Professor of English, provides an answer with his newest book, *How Poems Get Made* (W. W. Norton, 2018). The volume grows out of his decades of teaching poetry. "I was pushing myself to be able to find a way to describe how we work with the most basic elements of the poem," he says.

Longenbach calls poetry a "sonic drama." A poet uses language to create patterns of sound—within and between the sentences, the words, and the syllables—that are pleasurable to hear.

Here's some of what to listen for.

Diction

Diction is the words a poet chooses. Longenbach looks at English-language poems specifically, and English is shaped by the interplay of words from its Germanic roots and Latinate words that began entering the language following the Norman invasion of England in the 11th century.

English words with Germanic origins tend to be blunter; Latinate words are more ornate. Poets exploit those differences for dramatic effect. And the etymological diversity of the language can make it feel as if "the act of writing in English were already an act of translation," says Longenbach.

Syntax

Syntax is the way the words are arranged. Sentences and lines can have a simple structure or a complex one, with multiple phrases or clauses. Poets deploy syntax as they do diction, using structure—and contrasts in structure—to create drama through sound.

Figure

Figures are the metaphors, similes, and other nonliteral forms of description. Daily speech is full of them: "budget your time" or "hold your tongue," for example. Longenbach writes that "everyone is a master of metaphor. Yet often we remain unaware of a metaphor's implications—until a poem asks us to become aware."

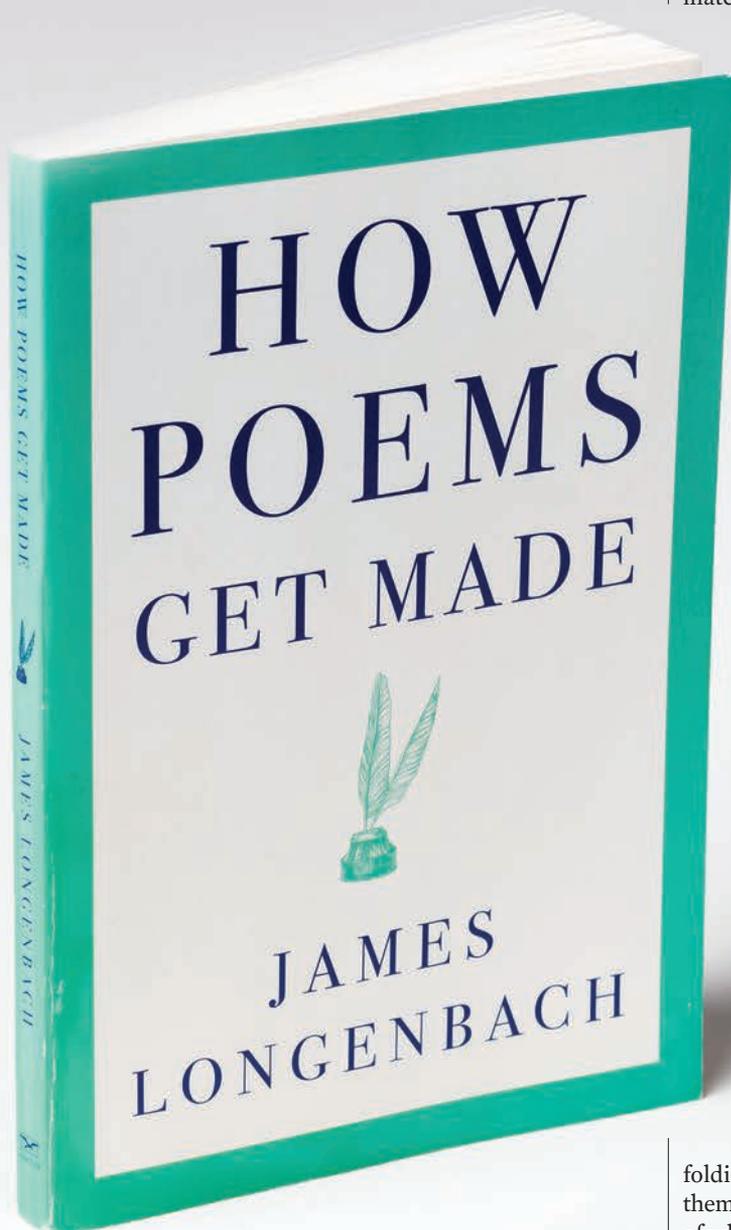
Rhythm

Rhythm is the pattern of stressed and unstressed syllables created by diction and syntax. Old English poets, for instance, used lines with four alliterative stresses; Shakespeare wrote lines of five stressed syllables. Just as poets use the sounds of words and lines to create drama, so they shape the poem through the ways they establish and disrupt rhythm.

Echo

The French fashion for rhyming poems came to England with the Normans in the 11th century. John Milton threw some readers for a loop 600 years later, when he cast aside rhyme in *Paradise Lost*. But echo is more than rhyming final words in a line. Syllables that sound alike, or sound different, create patterns in a poem, and "the vitality of our poems still depends on such echoes," Longenbach notes.

Poems aren't simply vehicles for conveying information. They're sonic and temporal events, sound and meaning unfolding in time. "People who love poems," he writes, "...reread them not to acquire new knowledge but to reinhabit the enactment of what they already know, that enactment growing richer to the degree that they're seduced by the movement of the medium." 



Ask the Archivist: Who Takes the Prize for Student Life?

*A question for Melissa Mead,
the John M. and Barbara Keil
University Archivist and
Rochester Collections Librarian.*

Given that this year is the 10th celebration of the Rockys Student Life Awards Ceremony, I was wondering if we had more information about our oldest award, the Seth H. and Harriet S. Terry Prize, which I think began in 1928. What do we know of the prize and its namesakes?—Matthew Burns, Dean of Students

A December 13, 1928, letter from Rush Rhees to Seth Sprague Terry, Class of 1883, 1886 (Mas), confirms the funds for the Seth H. and Harriet S. Terry Prize. At the 2019 “Rockys,” an awards ceremony held every spring to celebrate student engagement with campus life, Beatriz Gil González ’19 was recognized as the student who “by their industry, character, and honorable conduct, has done the most for the life and character of the undergraduate community.”

The Terry Prize appears to be a “first” at Rochester: it placed contributions to student life on an equal footing with academic achievement. The University’s earliest award to honor academic achievement is the Isaac Davis Medal, established in 1864, for “original orations (that) shall exhibit . . . excellence in thought, composition, and delivery combined.” As an undergraduate, Terry won second prize in the Davis Medal competition, for his paper entitled “The Conflict of State Laws.”

After attending Harvard Law School for two years, Terry practiced law in New York City until 1914. Terry’s December 20, 1932, *New York Times* obituary noted that he was active in a variety of reform movements, and in this he was clearly influenced by his parents in whose honor he named the prize.

His parents, Seth H. and Harriet Sprague Terry, were involved in the establishment and operation of the Industrial School of Rochester: he on the board of

directors, she as corresponding secretary and as editor of the monthly publication, *The Industrial School Advocate*. The school was established in 1857 for the “care and instruction of vagrant children” whose parents were unable or unwilling to support them, and to “instruct them in the elements of learning and in different branches of industry, and enable them to obtain an honest and honorable support, and to become . . . members of society.” The school would later

evolve into the Rochester Children’s Nursery and continues today as the Rochester Childfirst Network, located on South Avenue since 1954.

The first Terry Prize recipient, in June 1929, was Theodore



DINNER DAYS: Originating in May 1925 as a celebration of athletic achievements, the Dandelion Dinner began highlighting student life contributions in 1929. In later years, awards were presented at an assembly, an awards brunch, and since 2009, at the annual Rockys ceremony. The oldest student life award is named for the parents of 1883 graduate Seth Sprague Terry (inset).

Zornow ’29. Students’ Association president in his senior year and a member of the University’s Athletics Hall of Fame, he was the second of many generations of Zornows who continue to enhance the life of Rochester’s students.

Other Terry Prize recipients have included Joseph Platt ’37, John M. Keil ’46, Peter Nabozny ’05, and Elizabeth Beson ’17. At the Rockys, students and groups are recognized for their student life contributions with awards named to honor Percy Dutton, Class of 1904; Andrew Fried ’62; Michael Lowenstein ’60; Delno Sisson, Class of 1916; Simeon Cheatham; and others.

The prizes have a long history, as do the events at which they are awarded. The College of Men held a Dandelion Dinner, which had its own rocky start in May 1925: a *Campus* newspaper editorial observed that the “idea of holding a college banquet at this season of the year is one of the most asinine products of college ingenuity heralded at Rochester this year. We wonder if a more busy season could have been found.” By 1931, the event was considered “the most important of the year.”

Women students have been honored at both the “Moving-Up Day” assembly and, since 1947, at the annual Susan B. Anthony Legacy Awards. The latter, held in February, includes the Fannie Bigelow Prize, given to a sophomore, junior, or senior who is “chosen on the basis of her individuality, her ability to form and express fearlessly, with conviction and sound judgment, her own opinions on vital topics.”

Moving-Up Day became a coed event in the 1960s, and then a Student Life Awards assembly. The event was for a time held as a brunch the Sunday morning after Dandelion Day, timing which one 1997 honoree remembers as less than prize winning.

To learn more about the namesakes and recipients of these prizes, visit <https://rbscp.lib.rochester.edu/blog/ATA-Spring2019>.

Need History?

Do you have a question about University history? Email it to rochrev@rochester.edu. Please put “Ask the Archivist” in the subject line.

Researchers turn liquid metal into a plasma

For the first time, researchers at the Laboratory for Laser Energetics have found a way to turn a liquid metal into a plasma and to observe the temperature at which a liquid under high-density conditions crosses over to a plasma state. Their observations, published in *Physical Review Letters*, have implications for better understanding stars and planets and could aid in the realization of controlled nuclear fusion—a promising alternative energy source whose realization has eluded scientists for decades.

Plasmas consist of a hot soup of freely moving electrons and ions—atoms that have lost their electrons—that easily conducts electricity. Although plasmas are not common naturally on Earth, most of the matter in the observable universe, such as the surface of the sun, is made of them. Scientists can generate artificial plasmas on Earth, typically by heating a gas to thousands of degrees Fahrenheit, which strips the atoms of their electrons. On a smaller scale, that same process allows plasma TVs and neon signs to glow: electricity excites the atoms of a neon gas, causing neon to enter a plasma state and emit photons of light.

But as Mohamed Zaghoo, a research associate at the LLE, and his colleagues observed, there is another way to create a plasma.

Heating a liquid metal to very high temperatures under high-density conditions will also produce a dense plasma. “The transition to the latter has not been observed scientifically before and is precisely what we did,” Zaghoo says.

According to Zaghoo, understanding the fundamentals of liquids and plasmas allows researchers to develop new models to describe how materials at high densities conduct electricity and heat and can help explain matter in the extremes of the solar system as well as help in attaining fusion energy.

—Lindsey Valich

SHEDDING LIGHT: The most abundant form of matter in the universe, plasmas—like the flares on the sun captured by NASA imagery—are poorly understood.

Rochester researchers are learning more about them, which may have important implications for developing alternative forms of energy, including controlled nuclear fusion.

Sarcasm? That'll help

Sarcasm and humorous banter—if used purposefully—can help teachers turn their classrooms into a trusting community for learning. That's according to research by a team of scholars at the Warner School of Education and teachers at the East Upper &

Lower Schools in Rochester.

"Sarcasm, as an ironic speech act, promotes critical language awareness and thinking instead of conditioned response, which is common in high schools," write the coauthors. "A purposeful and reflective use of sarcasm

and humor can support learning complex language."

The study, which appears in the *Journal of Adolescent & Adult Literacy*, was led by Joanne Larson, the Michael W. Scandling Professor of Education at Warner and the associate director of

research at Warner's Center for Urban Education Success. Coauthors include Timothy Morris, an English teacher, and Kristen Shaw '09, '10W (MS), an English for Speakers of Other Languages (ESOL) teacher, both at East.

—Theresa Danylak

Using the laws of physics to untangle complex systems

Using GPS location tracking, check-ins on apps like Foursquare, geocaching from Twitter posts, and, under some circumstances, call data records from cell phones, Gourab Ghoshal, an assistant professor of physics, and the members of his lab have been able to find patterns in human mobility, traffic, and disease progressions with surprising accuracy and precision.

Such complex systems can be broken down into millions and even billions of data points. At that scale, "the simple ways of drawing diagrams don't work; you need laws to dictate how the data interact," Ghoshal says. Applying the universal rules of physics and mathematics, they have been able to build foundational models onto which other researchers—such as economists or city planners—can introduce more complex variables.

In a series of papers in *Physics Reports* and *Nature*



ON THE MOVE: Physicists are applying their ways of understanding complex systems, like particle movement, to human mobility patterns.

Communications, Ghoshal and his colleagues distill a system to its basics and apply physical and mathematical laws. For example, there are a few essential factors

that apply to almost all cases in which people move about. People want to move in some direction (what physicists call drift velocity). They don't want

to bump into other people or into buildings or other objects—demonstrating what's known as repulsive potential. With just these basic elements, "I can more or less reproduce the pedestrian behavior of people anywhere on the planet," Ghoshal says. "There are many things that come into play, such as cultural factors, but now you have a foundation to build upon, contained within these essential factors."

The number of people moving from location A to location B, for example, also turns out to be inversely proportional to the distance squared, which is similar to a gravitational force. The flow is dependent on distance (the longer you have to travel, the less likely you are to travel) but is also a function of the population, which is akin to mass, Ghoshal says. "Sometimes, the way physicists think about dust particles moving in a room can be similarly applied to humans."

—Lindsey Valich

Fitness trackers keep cancer survivors on the move

A new study shows that activity trackers such as pedometers and smartphone apps are linked to improved step counts and exercise engagement for cancer survivors. The home-based devices may also help with accuracy of exercise logs and in some cases serve as communications tools for health care teams.

Wilmot Cancer Institute investigators reviewed the outcomes of a dozen randomized, controlled clinical trials involving 1,450

cancer survivors who agreed to participate in evaluating the use of the devices for periods ranging from one to six months. Researchers found that adherence rates were sometimes higher than 70 percent and the trackers had a positive impact on general fitness and symptoms such as fatigue. The study was published by the *Journal of the National Comprehensive Cancer Network*.

People who spend time taking brisk walks or doing other

moderate-to-vigorous activity rather than remaining sedentary tend to reduce their cardiovascular risk factors. They better manage their weight and improve their strength, endurance, and heart and lung function. That's important because cancer survivors are often at heightened risk for short- and long-term conditions such as heart disease, hypertension, weakened bones, and diabetes.

"The number of ways that digital activity tracking devices

can be used to encourage and improve physical fitness is countless," says senior author Chunkit Fung, an associate professor in hematology/oncology. "Truly, almost everyone can benefit from engaging in exercise; the benefit of exercise spans all ages and health conditions."

The patients who participated in the fitness-tracker trials were treated for a wide range of cancers, including breast and leukemia.

—Ruth Harper-Rhode



RESIDENT ARTIST

Recording Studio Art

ECO-BEBOP? Rochester's first artist-in-residence, Ash Arder creatively explores physical and conceptual systems, especially those involving ecology. She's been searching the archives at Sibley Music Library this spring as part of her new project on jazz musicians' expression of ideas about the environment. The artist-in-residence program biennially will bring an artist or art collective to campus for two years to teach, conduct research, and produce a body of work drawing on the resources in University labs, libraries, performance spaces, research centers, and special collections. **PHOTOGRAPH BY J. ADAM FENSTER**

Student Government Leaders Elected

Jamal Holtz '20, a political science major from Washington, DC, will serve as the 2019–20 president of the Students' Association for the College. Holtz, who served as vice president for the 2018–19 year, was elected with Anne Marie Cortes '20 as vice president. She is a financial economics and political science

double major from Staten Island, New York.

At the Eastman School of Music, Gwen Paker '20E, a vocal performance major from Madison, Wisconsin, will lead student government. She was elected with Rebecca Smith '21E, a harp performance major from West Jordan, Utah, as vice president.



Jamal Holtz '20



Gwen Paker '20E

Pair Wins Novice Debate Championship

First-year debaters Natasha Abrol '22 and Prinaya Choubey '21 finished first out of nearly 60 novice teams to claim the Novice Division title at the United States Universities Championship Debate Tournament this spring. Competing against teams

from universities throughout the United States, including Princeton, Duke, and Air Force, the two debated topics ranging from closing US military bases abroad to the corporatization of American universities, culminating in the final round, which explored the

question of prison abolition.

This is the second time that Rochester has won the championship for novice debaters, a competition designed for students who have less than one academic year of experience in debate programs. Sarah Hofmann '17 and Junior

Ndlovu '17 won the title in 2015.

Abrol, an international relations major from New Delhi, India, and Chubey, a computer science major from Nashik, India, are Rochester's first international students to finish as the top first-year debaters in the nation.

The Gears of an 'Early Modern Search Engine'

Rossell Hope Robbins Library is home to a custom-made, full-size book wheel that was the brain-child of a 16th-century engineer. The device—a “Ferris wheel for old tomes,” says Gregory Heyworth, an associate professor of English and a specialist in textual science—relies on a system of epicyclic gears. The gears rotate around each other, like a planetary system, to keep the device's shelves at a constant 45-degree incline, holding books securely as the giant wheel turns.

Based on a design by the Italian military engineer Agostino Ramelli, the wheel allowed for many books, particularly early

encyclopedias and editions of classical work, to be open at the same time, akin to modern-day information seekers keeping multiple tabs open in a web browser.

The wheel is the fruit of a growing collaboration between the University and nearby RIT. The Robbins Library and the Cary Graphic Arts Collection at RIT share a similar focus on the history of the book across the Middle Ages and into the early days of printing—and beyond, in the case of the Cary Collection.

As a senior project, RIT mechanical engineering students worked for a year to build two book wheels, one for Robbins



OLD MADE NEW: The newly built book wheel in Robbins Library was created from a design by a 16th-century Italian military engineer.

Library and another for the Cary Collection. Students in Heyworth's courses are developing a digital kiosk to explain to Robbins Library visitors the wheel's

history and mechanics. The wheel itself will serve as display space, offering literally rotating exhibits of works in the library's collection.

Researcher to Lead Statewide Training for LGBT Health Efforts

A member of the Department of Obstetrics and Gynecology will lead training programs for organizations across New York state that provide health care and human services to the LGBT community.

Brooke Levandowski, a research assistant professor in

obstetrics and gynecology, was selected by the New York State Department of Health's AIDS Institute, to provide cultural competency training through a \$1 million grant for LGBT-Health.

The goal is to reduce disparities experienced by LGBT

populations by helping health and human services agencies across the state more effectively reach and serve their constituent populations. The initiative will teach best-practice, evidence-based interventions and access strategies designed

to help agencies build trust with clients so clients can fully benefit from health care available to them.

The state has funded 37 agencies to provide services to LGBT patients, all of which will receive training from LGBT-Health.



HONOREE: Donna Strickland '89 (PhD), who received a 2018 Nobel Prize in Physics in recognition of work she conducted at Rochester, will receive two of the University's highest awards during spring ceremonies.

COMMENCEMENT 2019

Nobel Laureate Donna Strickland '89 (PhD) Set to Address Graduates

The University celebrates the 169th commencement season with ceremonies and special guests.

By Sara Miller

Donna Strickland '89 (PhD), who became only the third woman to receive the Nobel Prize in Physics when she and her Rochester doctoral advisor Gérard Mourou were named laureates last winter, has been selected to address the graduating College Class of 2019.

Strickland, who is now a professor of physics at the University of Waterloo in Ontario, Canada, will also receive the University's George Eastman Medal during the ceremony for undergraduates in Arts, Sciences & Engineering on May 19.

In addition, she will address graduates receiving doctoral degrees during a May 18 ceremony,

when she will receive the University's Distinguished Scholar Medal, which recognizes doctoral alumni who have led distinguished careers in academia, private enterprise, public service, and the arts.

Strickland is one of several Rochester alumni and faculty members who are set to be recognized during this spring's ceremonies. At the Eastman School of Music ceremony on May 19, noted soprano Julia Bullock '09E will address the graduates. In 2018–19, Bullock was artist-in-residence at the Metropolitan Museum of Art, where she curated a yearlong series to explore ideas about identity, objectification, and history in music and other arts. 

2019 honorees

G. Graydon Curtis '58 and Jane W. Curtis Award for Nontenured Faculty Teaching Excellence

Vincent Hope, clinical assistant professor, Simon Business School

Heidi Tribunella, clinical professor of accounting and director of the master's degree program in accountancy

Ignacio Franco, assistant professor of chemistry

Andrew White, assistant professor of chemical engineering

Edward Peck Curtis Award for Excellence in Undergraduate Teaching

Chris Muir, professor of mechanical engineering

Stella Wang, associate professor in the Writing, Speaking, and Argument Program

William H. Riker University Award for Excellence in Graduate Teaching

William Jones, the Charles F. Houghton Professor of Chemistry

George Eastman Medal

Barbara Iglewski, professor and chair emeritus of microbiology and immunology

Donna Strickland '89 (PhD), professor of physics and astronomy, University of Waterloo, Ontario, Canada

Charles Force Hutchison and Marjorie Smith Hutchison Medal

Ruth Lawrence '49M (MD), the Northumberland Trust Professor in Pediatrics

Across all the University's academic units and programs about 2,500 degrees will be awarded during commencement season. For more about the ceremonies, visit Rochester.edu/commencement/.



CENTER SCREEN: After taking part in a bone marrow screening organized by the football program, Balch (No. 54) was matched with a recipient.

PAYING IT FORWARD

'A Way to Help'

Football lineman donates bone marrow after being identified as a perfect match for someone in need.

By Dennis O'Donnell

A moment of inspiration by a Rochester football player may help a complete stranger battle a deadly disease.

Nicholas (Nick) Balch '19, a biology major from Wilmette, Illinois, found out last winter that his bone marrow was a perfect match for an anonymous patient who has been diagnosed with a life-threatening disease.

Balch, a four-year member of Rochester's offensive line, was identified and made the donation through Be the Match, a national nonprofit organization that brings together potential donors to help patients diagnosed with leukemia, lymphoma, and other diseases. First screened a year ago, Balch found out last November that his marrow was a potential fit. After further tests, he made the donation at the Medical Center in January.

He may not meet the recipient, at least not for a few years, but he says many people have helped him find success as a Rochester student and he wanted to help others in turn.

"There are so many people who helped me to be here," he says. "This is a way to help someone else in a similar way."

According to the organization, only one in 400 donors will be a match. The odds improve to one in 200 donors when athletes register. That's part of the reason first-year head coach Chad Martinovich has worked to support the organization, first during a nine-year tenure at MIT. When he took over the football program



at Rochester, he launched a screening program on campus. Balch, who as a biology major has had internships and research positions that include a summer at Johns Hopkins University doing pancreatic cancer research, helped organize the first screening last April, the one in which he was first identified as a potential donor.

"We did this during all of my years at MIT," Martinovich says. "We never had a perfect match."

The effort is the latest in a long-standing commitment to community service by the football program. For years, Yellowjacket players and coaches have worked with Camp Good Days and Special Times, a camp in the eastern suburbs of Rochester for children diagnosed with cancer.

The donation was part of a busy year for Balch and other members of the Yellowjacket football team. With a new coaching staff in place last spring, Balch and his teammates adapted to the offensive philosophies of assistant coach Adam Griggs and Martinovich.

"They wanted our experience and skills to help the younger guys to learn, to grow, and to improve," Balch says.

He played every position on the line, starting at center, but also seeing time at guard and tackle. He was honored by both the University Athletic Association and the Liberty League with selection to their postseason all-star teams. **R**

Dennis O'Donnell is director of communications for the Department of Athletics and Recreation.



On vacation in his native Brazil,
Giuliano de Castro '20 suffered a devastating injury.

His parents moved to Rochester to be his caregivers—and
a year later, they, too, became Rochester students.

All in the Rochester Family

By Jim Mandelaro

Giuliano de Castro '20 lives in a house a few miles from the River Campus with two fellow Rochester students. One is in the doctoral program at the Warner School of Education, and the other is pursuing a master's degree in history.

They study together, ride to school together, dine together, and swap family stories. The stories are often the same, because Giuliano's housemates are also his parents.

Giuliano was paralyzed from the chest down in a car accident in his native Brazil two years ago. His parents, Gilberto and Márcia, moved to Rochester to be his caretakers and decided to further their education at the University. They're 5,000 miles from home, three students bonded by hope, love, and college.

"We fell in love with the campus," says Márcia, who was a professor of engineering before moving to the United States. "We were so jealous Giuliano got to attend school here. We moved here to support him after his accident and thought, 'Why not enroll?'"

Giuliano and Márcia are scheduled to graduate in 2020. Gilberto, a former business executive, hopes to receive his doctorate in education in 2022.

'I can't move my legs'

The fall 2016 semester, Giuliano's first at Rochester, was a huge success. "My roommate was great, my classes were great, and I joined the club rugby team," the business and economics double major says.

When winter break came, he flew home. It was time to surf, sleep, and reconnect. He celebrated New Year's with friends in Buzios, an ocean resort, and left January 3, 2017, for the long drive back home. Giuliano and two friends started out at 5 a.m. to beat the traffic, and he scrunched his six-foot frame on the back seat to sleep. When he awoke, the passenger door near his head was gone, and a stranger was standing in the opening to block the sun from shining on Giuliano's face.

Something else was strange.

"I can't move my legs," he said.

COURSE OF LIFE: Giuliano de Castro '20 (opposite, center) and his parents, Gilberto and Márcia, are all students at the University. The parents enrolled in graduate programs after coming to Rochester to care for Giuliano.

Their car had been totaled after striking another vehicle on the highway. Everyone involved somehow walked away unscathed—except Giuliano. He had fractured multiple vertebrae and compressed his spinal cord, causing him to lose all sensation and movement from the chest down. Gilberto and Márcia were six hours away at another resort

when Márcia received a call from the mother of the friend who had been driving. "There's been an accident," the woman said, "but Giuliano is still alive."

Márcia realized something terrible had happened. "Of course, he's alive," she yelled into the phone. "Why wouldn't he be alive?"

She and Gilberto began the long drive to reach their son, monitoring his progress through phone calls and texts. Traffic was heavy, and it took eight torturous hours to reach the hospital where Giuliano was receiving medical care. "It was a mess," Gilberto says. "But we made it."



TRIPLE TEAM: When Giuliano de Castro '20 visited Rochester with his father, Gilberto (above), in 2016, neither could have predicted that they, along with Giuliano's mother, Márcia, would all be University students. Giuliano is a double major in business and economics and finds time each day for study sessions with his parents, at home or (right) in Rush Rhees Library.

They rented a helicopter to fly him to Rio de Janeiro for surgery, knowing he wouldn't survive another marathon ride on bumpy roads. "We were racing the clock," Márcia says. Three weeks later, they endured a 17-hour flight to Chicago, and Giuliano underwent a second surgery at Northwestern Memorial Hospital before being admitted to the Rehabilitation Institute of Chicago. He was now a quadriplegic.

"Everything I taught him in his first years—dressing, bathing, using the toilet, and walking—had to be relearned," Márcia says.

Although Giuliano says it was "a depressing period in my life," he remained dedicated to the journey he had started months before. "I have to stay in school," he told his parents.

Learning from afar

Márcia emailed Stephanie Krause, codirector of the University's International Services Office, to ask if her son could take classes remotely. "Giuliano is very positive and is looking forward to going back to UR," she wrote. "This is one of his strongest incentives to keep fighting."

Krause and Molly Jolliff, director of international student engagement, developed a plan to keep Giuliano in school while continuing his rehabilitation in Chicago. They presented it to Richard Feldman, then dean of the College and now president of the University. "As a residential college, this isn't something we had done before," Jolliff says.

Once Feldman had given his approval, Jolliff reached out to two faculty members who offered courses that interested Giuliano. She asked them: would they permit him to enroll remotely?

"I was teaching Big Business in the South: Business History of

Brazil for the first time, and I knew Giuliano would be able to follow the course themes and access course materials [online]," says Molly Ball, a lecturer in history with a specialty in Brazil, who also taught Márcia in one of her graduate courses last semester. "It gives me great joy for the entire family knowing that he continues to improve," she says.

Mark Wilson, a lecturer in entrepreneurship at the Simon Business School, also worked to accommodate Giuliano—as did other students in the class. When Giuliano enrolled in Wilson's Entrepreneurship 101, a student took video recordings of each class and uploaded them for Giuliano. At the end of the semester, Giuliano went home to Brazil for the summer. When he returned to Rochester in August, his parents came with him—and stayed.

Getting around campus

Moving to the United States wasn't easy for Gilberto and Márcia, but they had the means and the time. Their daughter, Mariana, attended secondary school in England and soon would enroll at the University of Southern California. Two months earlier, Gilberto had quit his job as CEO of Estacio, a higher education company in Brazil, looking for new challenges and more freedom.

Márcia took a leave from her job as a professor of engineering at Estacio after the accident. The family rented an apartment in downtown Rochester, in a building with just one elevator. A few months later, they bought a one-story ranch house in Brighton, a suburb close to the University. Gilberto took several classes at nearby Nazareth College to improve his English, and it whet his appetite for being in the classroom. He already had a master's degree in industrial engineering, while Marcia has a PhD in the same field. But they craved more, for different reasons.

"When I heard about the Warner School, I knew it was an opportunity to help me do better what I've done the last 10 years in Brazil," Gilberto says.



Márcia had been devouring literature on spinal cord injuries and needed an outlet. “I’ve always loved history,” she says. “I applied for a master’s in history, and I’m so happy. Ever since we saw this campus, I’ve been a Yellowjacket in my heart.”

Each day, they drive to school and split off to their own classes. Giuliano enjoyed vigorous workouts before his injury and still spends hours daily lifting weights and exercising on equipment that uses functional electrical stimulation—a technique that emits low-energy electrical pulses to artificially generate body movements in people with paralysis.

Each night, they drive home, eat dinner, play with their dog, Chico, and spend quiet hours studying.

Navigating the campus in a wheelchair was a new challenge for Giuliano. He met with Liz Carpenter, access coordinator for the University’s Office of Disability Resources, to design a plan. Working with the University Registrar, Carpenter now examines Giuliano’s schedule before each semester to make sure he’ll have time to get from one class to another. “If he doesn’t, we’ll move a class closer,” she says.

Carpenter is also responsible for alerting the Department of Facilities and Services about Giuliano’s paths of travel (and the paths of other members of the campus community who use mobility aids) so that those paths are clear on snowy days. These are accommodations that are both legal requirements and part of a campus culture that values diversity and inclusion. But Giuliano is grateful nonetheless.

“The people at the University do a lot for me,” he says. “They work hard to improve my experience here.”

Wanting to stay active on campus, he joined an international committee in Students’ Association government and Sigma Phi Epsilon fraternity. “Giuliano never gets mad at his situation,” says classmate Bruno Ribeiro ’20, a close friend from Rio de Janeiro. Ribeiro points to Giuliano’s steadfast discipline. “He’s not a person of many words, but many small actions.” Those actions include keeping to a daily physical therapy regimen, in addition to excelling in his coursework.

Prognosis: Positive

Doctors originally painted a grim outlook. Giuliano’s spinal cord injury was classified as type A. “It means no hope,” Márcia says.

“It could have been worse,” Giuliano says. “I have control of my arms. I could have ended up with no control of anything but my head.”

His chances of walking again were declared slim—but that chance has kept him motivated. During fall and spring recesses, he visits the Kennedy Krieger Institute at Johns Hopkins Medical Center in Baltimore for two weeks. He works out eight hours daily at their International Center for Spinal Cord Injury. He swims, uses a robotic exoskeleton to help him walk, and receives other forms of electrical therapy.

At first, he had no control of his torso and couldn’t sit straight up. Now, he can. “This was the one thing doctors said he’d never recover, because it was right below the level of injury,” Márcia says. “But because of physical therapy and his determination, he got it back.”

His right hand was so weak he couldn’t hold a pencil. Now, he can shake hands firmly and open jars. He still doesn’t feel anything from the chest down and checks his skin several times a day to make sure he hasn’t injured himself. He adjusts his position every half hour to release pressure and prevent his hip bones from damaging his skin. He can’t move his legs, but Márcia recently sent a video of Giuliano contracting his leg muscles to his doctor in Brazil. “If you had only *told* me that, I would not believe it,” the doctor replied. “It would have been a mother’s wish. It’s kind of miraculous.”

Giuliano doesn’t know what career he plans to pursue, but as he was applying for summer internships in Chicago, Miami, and San Francisco, he was asked during a Skype interview to describe a situation in which he did the opposite of what everyone told him to do.

“That’s easy,” he said. “Everyone told me I’d never walk again, but I never believed them. I will walk again.”

Walking beside him will be his parents.

“They’re super excited about being part of my world here,” Giuliano says. “It’s their world too, now. That makes me pretty happy.” **B**

Women *of* Invention

Meet a few of the inventors who are putting Rochester near the top of a nationwide list.

By Bob Marcotte

Photographs by J. Adam Fenster

They create novel devices that enable real-time biopsies, light the way for robotic surgery, and help independent-minded teens manage their asthma. They develop new technologies to target the delivery of drug therapies with unprecedented accuracy, to help stroke victims regain their sight, and to vaccinate people with a simple, wearable skin patch that could reach global populations.

Lisa Beck, Danielle Benoit, Paula Doyle, Hyekyun Rhee, Krystel Huxlin, and Jannick Rolland: six women faculty members whose work spans the River Campus and the Medical Center. They're among a growing group of women inventors at Rochester who are integral to the University's success as a Tier I research institution.

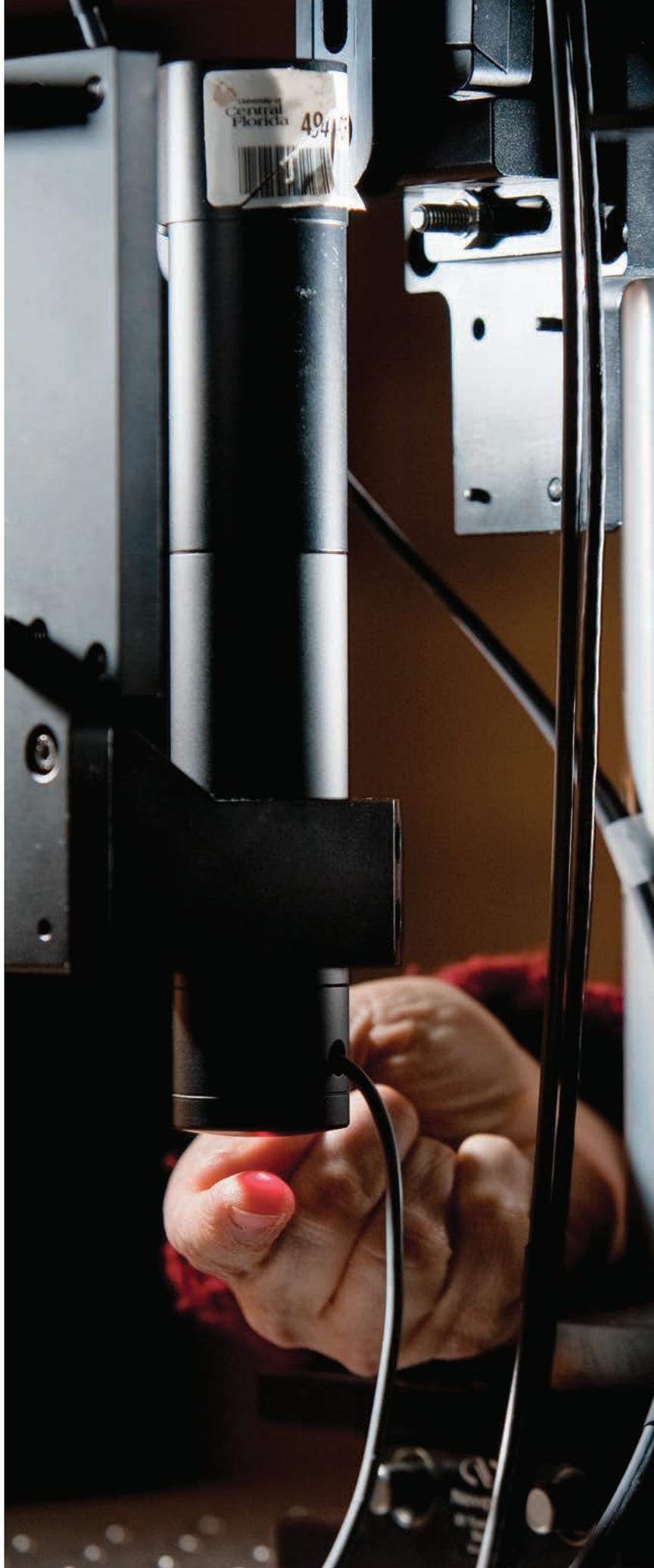
According to a World Intellectual Property Organization survey of academic institutions worldwide, roughly half of Rochester-affiliated patent applicants are women, and the University ranked among the top five academic institutions in the United States, and top 40 worldwide, for the percentage of women patent applicants from 2011 to 2015.

Notably, women inventors are breaking through gender barriers not only in science but also in business. Rolland, the Brian J. Thompson Professor of Optical Engineering, is cofounder and chief technology officer of LightopTech. Doyle, an assistant professor of obstetrics and gynecology, is cofounder and chief medical officer of Endoglow.

Doyle praises colleagues who allowed her the flexibility to get Endoglow started. "Without their support I wouldn't have been able to really pursue this," she says.

"It is a whole different skill set being on the business side of things," she adds. But it's a role she'd like to see more medical professionals pursue.

"It shouldn't be industry coming to us and saying, 'Here, you need this.' It should be the other way around, with doctors and nurses saying, 'Hey, this is what we need; let's develop it.'" **R**





Jannick Rolland

Brian J. Thompson Professor
of Optical Engineering

After finishing as valedictorian in a two-year physics program at the Institut Universitaire de Technologie in Orsay, France, Jannick Rolland, who had once also been on the verge of a professional career in dance, remained in Orsay to enroll in a graduate program—the equivalent of a master's degree—at the Institut D'Optique.

Then she set her sights on the United States.

She wanted to improve her English and applied to the University of Arizona's distinguished optics program. But she was three points shy of passing Arizona's required oral language exam.

She got on a plane anyway. After landing in Tucson, she marched to the admissions office and literally “talked her way” into the university. Within months she was being encouraged to join the PhD program in optical engineering.

The experience was eye opening. Some of the instruction at the Institut d'Optique had been “a little too much ‘push button’ for me,” Rolland says. “We were not encouraged to ask questions outside the box, just solve the problem in the typical way, just get the results.”

She experienced a far different approach at the University of Arizona's Optical Sciences Center.

“I was surrounded by researchers who were very excited about what they were doing and really engaged in it,” Rolland says. “And the professors encouraged us to ask questions of all sorts.”

Rolland is now the Brian J. Thompson Professor of Optical Engineering at Rochester. She has 35 patents to her credit and has been listed among eight women pioneers in augmented and virtual reality by the organizers of the world's largest AR/VR conference and expo.

She's also the director of the Center for Freeform Optics, a federally supported collaboration involving Rochester, the University of North Carolina at Charlotte, and 18 companies and research institutes.

Freeform optics is an emerging technology that uses lenses and mirrors with freeform surfaces to create optical devices that are lighter, more compact, and more effective than ever before. According to Rolland, the technology “is poised to revolutionize instrumentation from space optics to microscopy.”

She adds that she was able to launch the center with the help of her colleagues and what she terms the strong “ecosystem” for biomedical development at Rochester.

That ecosystem is what helped her take the liquid lens technology, which she developed before she came to Rochester in 2009, and refine its biomedical applications.

Rolland and her former PhD student Cristina Canavesi have cofounded LighttopTech, a startup commercializing one of Rolland's inventions: a portable device that uses a microscope with a liquid lens to image cells just below the surface of the skin, cornea, and other tissues. Among many possible applications, the device is targeted to help surgeons determine if they've successfully removed all of a skin cancer, without having to wait for the results of a traditional biopsy.

She's had her share of inspirational colleagues. But for the “first time in my life,” Rolland says, she finds herself surrounded by colleagues “who share common interests with me.”

Lisa Beck

Dean's Professor,
Department of Dermatology

Lisa Beck's first research project—for AP biology in high school—took place in the basement of her family's home in Portville, New York, a small town with "one stoplight," she says.

From Portville, it was on to Mount Holyoke College, medical school at SUNY-Stony Brook, a residency at Rochester, and a faculty position at Johns Hopkins University, where she spent most of her 17 years there in the Division of Allergy.

In 2006, she returned to Rochester, where now, as Dean's Professor in the Department of Dermatology, she's led in the creation of a skin patch that could protect entire populations in hard-pressed developing countries against yellow fever, malaria, West Nile, Zika, and chikungunya.

The skin patch is based on two key discoveries rooted in Beck's research on atopic dermatitis. The most common form of eczema, atopic dermatitis is a chronic skin disease that causes lesions, itching, and outright misery in its sufferers.

Beck and members of her lab discovered a defective protein that appears to be responsible for creating the "leaky" skin that causes the condition.

Leaky skin occurs when "water comes out, which makes the skin dry, and allergens, microbes, and irritants get in and cause the characteristic inflammation of the disease," says Beck. Leaky skin provides an easy pathway for infection and disease.

In the meantime, Beck and her collaborators—Ben Miller, also a professor of dermatology, and Anna De Benedetto, formerly at Rochester, now associate professor of dermatology at the University of Florida—found a peptide that can temporarily "recreate" the same effect of having a faulty protein in healthy people as well.

That may not seem particularly helpful at first glance. But applied as part of a small wearable patch, the peptide can create temporary "leaks" in a very localized area of healthy skin. In doing so, it creates a perfect portal for vaccinating people as an alternative route for drug delivery.

The patch has worked in tissue cultures and in mice, thanks to the work of Matt Brewer, a postdoc in the Miller and Beck labs. "And the beauty of it is, when you remove the patch after 24 hours, the skin barrier recovers very nicely," Beck says.

Think of it: vaccination without the burden of painful hypodermics, which require expensive biohazard disposal and highly trained health care workers.

A patent has been issued in the US, and others are pending overseas.



Hyekyun Rhee

Endowed Chair for Nursing Science
and Professor of Nursing

When Hyekyun Rhee would meet teens with asthma, she'd often hear them wheeze and cough. When she asked them if they were OK, they'd say, "I've had this all my life, so I'm used to it."

But Rhee knew she needed to come up with something—some process, some device—that would help teens better manage their asthma. Otherwise, the disease would continue to scar their lungs, turning healthy, flexible airways into rigid structures that would eventually cause far worse problems.

It would need to be something "cool" that would help teens overcome their sense of invulnerability and their reluctance to take their medications. Rhee decided to focus her research on asthma in part because her sister suffers from the condition. But she also "wanted to focus on something that affects a lot of teens."

In her first faculty position, at the University of Virginia, she received funding for a peer-led asthma self-management program for teens. But it was hard to find enough teens to work with in Charlottesville. Rochester offered a larger population and pool of study participants—along with the prospect of collaborating with a senior investigator in the field. In 2007, she joined the faculty of the School of Nursing.

"Teens love technology," Rhee says. And because most asthma symptoms are manifested in sounds, she came up with a novel idea: create a device that picks up those sounds, preferably in the form of an attractive pendant. It would connect to a mobile device that would then display the information, motivating teens to take medication to manage their symptoms.

Rhee found a collaborator across the street on the River Campus—Mark Bocko, Distinguished Professor of Electrical and Computer Engineering and chair of the department—whose lab developed algorithms to recognize the signature of a wheeze or cough. "Initially, we used an iPod for the detection and display of the symptoms," Rhee says. Then, the technology was patented and



licensed to Health Care Originals, which has modified the technology into a free-standing mobile device that can detect asthma symptoms along with other vital signs such as heart rate, respiratory rate, and body temperature.

But Rhee's work isn't over yet. A feasibility study has shown that the device works and that "teens and parents love it," Rhee says. But clinical trials are necessary to determine whether its use will actually compel teens to manage their asthma, and thus improve their symptoms. Calling the technology "my baby," Rhee says she's gearing up to conduct those trials.

Paula Doyle

Assistant Professor of Obstetrics and Gynecology

After five years in fashion design, working as a top assistant for Paris Collections, Paula Doyle decided it was time for a change. "If the world suddenly dissolved, would you really care what designer pants you were wearing?" she asks.

She decided to pursue a medical career. And today, her willingness to embrace new challenges, to abruptly switch course along a career path that has been "to the left and right, and up and down," is why she is a surgeon, inventor, and chief medical officer of a startup company.

Doyle arrived at Rochester for a three-year fellowship in urogynecology, treating female urinary incontinence and pelvic floor dysfunction. She found herself doing surgery by robot. "It's like a video game," she says. "You can control the robot with your hands, and when you look at the screen, the optics are really, really good—but you can't actually feel what you're operating on."

During one surgery, Doyle needed to peel a bladder from scar tissue it was sitting on. It took a long time to finally figure out where to start. At a meeting of other fellows and their faculty mentors, she described how difficult the case had been and commented, "I wish I had a flashlight or something I could insert so I could see better." Ron Wood and Jay Reeder, both research professors in obstetrics and gynecology, seized on the idea, and soon Wood,

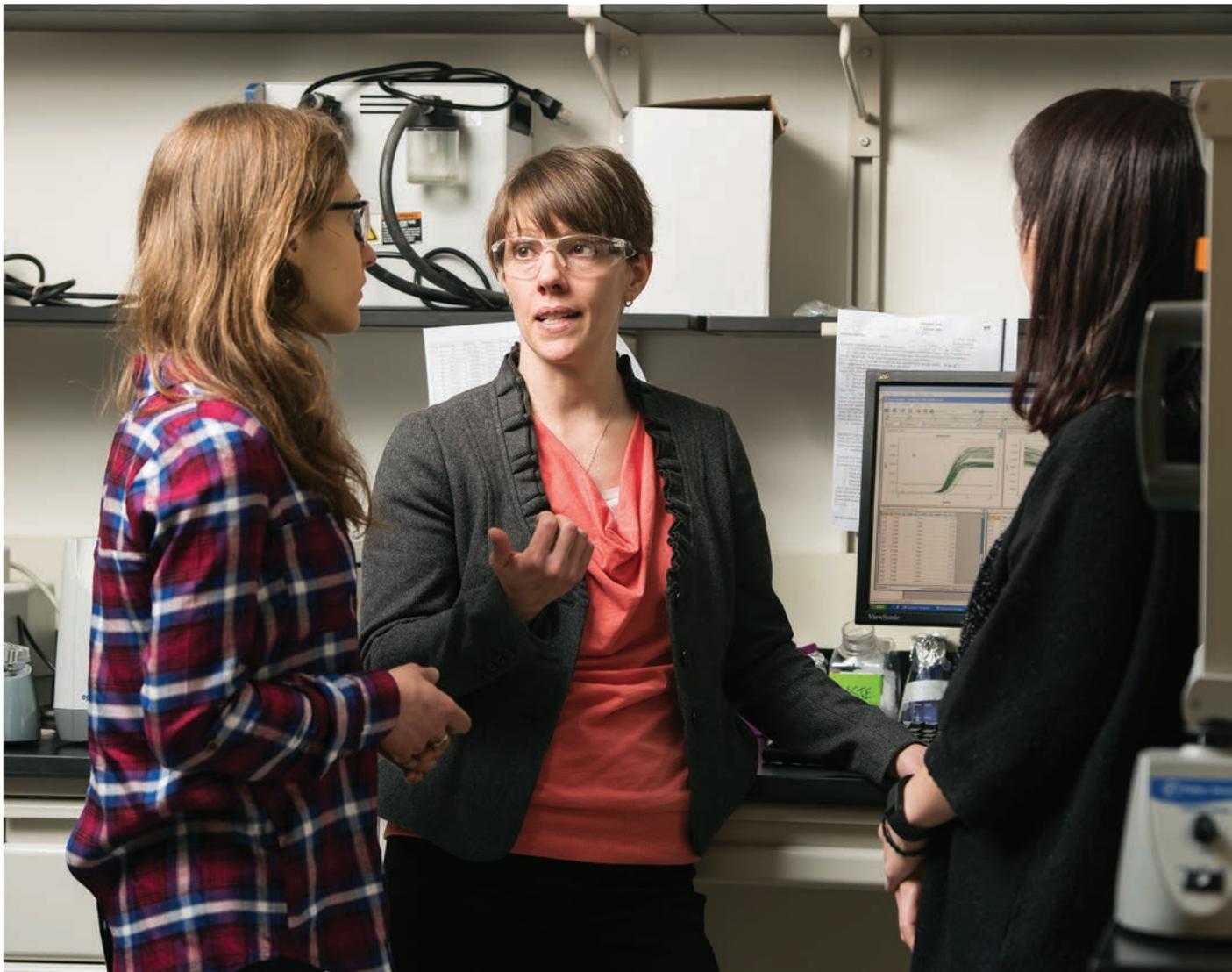
Reeder, and Doyle began "hashing out ideas" to turn her "complaint" into a viable prototype.

At the same time that Doyle completed her fellowship and joined the University as a surgeon and assistant professor, the problem she had identified in the operating room had resulted in a patented device called the GreenEgg. It is a small disposable device that uses a fluorescing polymer that can illuminate internal anatomy when near-infrared light is also used. For example, it provides backlighting that allows surgeons to see scarring and other pathologies deeper in the tissue than expected.

With the support of her supervisors, Doyle is working part time as an assistant professor, so she can spend more time as chief medical officer of Endoglow, the startup she and Reeder cofounded.

To her, her role in the company is a natural outgrowth of her physician's role—and a type of function more physicians should consider performing.

"I really do believe in women's health," Doyle says, "and I think that physicians should be the ones to initiate progress, whether it's in drugs or medical devices. It shouldn't be industry coming to us and saying, 'Here, you need this.' It should be the other way around, with doctors and nurses saying, 'Hey, this is what we need; let's develop it.' It should be inside out, not outside in."



Danielle Benoit

Associate Professor of Biomedical Engineering

Danielle Benoit says she was “always tinkering” as a kid growing up in Maine. She remembers tagging along at work with her father, a forester who worked essentially as a civil engineer, designing remote logging roads for his company. “I remember all the survey equipment and other gadgets he had. I thought that was really cool,” she says.

Benoit became the first student to graduate in bioengineering from the University of Maine and went on to earn a PhD in chemical engineering at the University of Colorado. As a postdoctoral researcher at the University of Washington, she developed a delivery system for nucleic acid drugs used in cancer therapy.

Rochester sought to recruit her—and did so successfully in 2010. Benoit says the close proximity of the Medical Center to the biomedical engineering department was “critical” in her decision to accept a faculty position in biomedical engineering. So, too, was the number of women in the department.

“It wasn’t just women who were junior faculty members, but women who were senior and very well established, and who had thriving research programs,” she says.

Before joining the department, she had already met with Edward Puzas, the Donald and Mary Clark Professor in Orthopaedics at the Medical Center and an expert in bone remodeling. Puzas pursued exactly

the kind of basic science research that could help her advance her work in tissue regeneration as well as the targeted delivery of therapeutic drugs that she began as a postdoc.

Puzas had discovered “a fantastic way to target bone drug delivery to exactly where it’s needed,” Benoit says. Working with Puzas, she and members of her lab began to design a nanoparticle-sized polymer drug-delivery device that could be loaded with therapeutic drugs to enhance the bone rebuilding process—in the case of a fracture—or to boost the performance of cells that aid in bone formation—in the case of osteoporosis or chronic bone thinning.

The result was US Patent #9,949,950: “Compositions and Methods for Controlled Localized Delivery of Bone Forming Therapeutic Agents,” one of nine approved or pending patents Benoit has coauthored.

Benoit is dedicated to schooling her students—the PhD students in her lab as well as more than 80 undergraduates she has mentored since arriving at Rochester—in how to disclose technologies developed in an academic lab and how to secure patents for them. “That’s critical, if we want to see what we have developed become a product that’s going to help people,” she says. “It’s going to take an investment in safety and efficacy studies and clinical trials, and so much development that is beyond the scope of what we can do in our labs.”



Krystel Huxlin

James V. Aquavella, M.D. Professor in Ophthalmology

When Krystel Huxlin arrived at Rochester in 1995, she intended to stay only two years.

Born in Romania, she had grown up in Europe and in Australia, where she studied neuroscience at the University of Sydney with pioneering vision scientist Ann Sefton. She culminated her studies with a prestigious, four-year early career fellowship, which allowed her to spend the first two years overseas.

Huxlin chose Rochester, where she studied with William Merigan and Tatiana Pasternak, professors of ophthalmology, neurobiology, and anatomy and both long-standing members of the Center for Visual Science. Meanwhile, she met Keith Nehrke '94, now her husband and a professor of medicine in the Nephrology Unit. She decided to forfeit the last two years of her fellowship and stay at Rochester—not to abandon a career but rather to thrive in one.

“As a new faculty member in the Flaum Eye Institute, I became plugged in immediately with the Center for Visual Science, which has been vital to me and my work,” says Huxlin, who is now the James V. Aquavella, M.D. Professor in Ophthalmology.

Her research is helping stroke survivors who have suffered vision loss and promises better treatments for myopia patients worldwide.

For stroke victims, she has developed a “physical therapy” for the

visual system. A set of exercises that stimulates use of visual information by undamaged portions of the visual cortical system, it helps the visual system relearn to interpret signals from a blind zone. The technology has been patented and licensed to Envision Solutions, which is running a three-site clinical trial with the technology.

Huxlin is also collaborating with Gabriel Diaz’s PerForM Lab at nearby Rochester Institute of Technology to develop virtual reality headsets with integrated eye tracking that patients can use at home—rendering in-home, long-term therapy as effective as that performed in Huxlin’s lab.

And working with colleagues at the Center for Visual Science, she’s helping to improve Lasik surgery, potentially transforming the way human vision is corrected. Her insights were instrumental in developing a technology, now licensed to the startup Clerio Vision, that will lead to individually customized vision corrections not only in contact and intraocular lenses but also directly into patients’ corneas. Critically, it can accomplish the task without having to cut eye tissue, as current Lasik surgery requires, a factor that prevents many people from electing to have the procedure.

“This technology could totally revolutionize the approach and feasibility of laser refractive correction,” she says. “And considering the myopia epidemic that is developing worldwide, it is not a moment too soon.”



VIEW FROM THE PRU: A fixture in Boston's skyline since the early 1960s, the Prudential Center is home to a 360-degree Skywalk Observatory, which offers scale and perspective on the busy civic world below. "You can see the whole city from there and get a sense of how small Boston really is," says Beth Coughlin '12.

Show Us Your Town

Boston

A few of the 5,200 alumni in the Boston area share why their bustling, vibrant city feels like a familiar neighborhood.

By Kristine Thompson

For all its storied history—the Freedom Trail, Bunker Hill, Walden Pond—Boston feels familiar and friendly, says **Stephen Fantone** '79 (PhD), a Connecticut native who has built his career as an optics entrepreneur over the past five decades in the Boston area.

Think of the region as one big neighborhood, he says. "Boston has a town-like feel. After all, one of its monikers is Beantown, not Bean City."

One of about 5,200 alumni who call the Boston metropolitan area home, Fantone and other graduates say they're also drawn to the region's intellectual and cultural vibrancy.

With dozens of colleges and universities in the area, Boston has a constant influx of students and ideas and a spirit that fosters scholarship, discovery, and innovation.

Husband and wife **Paul Bleicher** '83M (MD/PhD) and **Julia Greenstein** '81M (PhD) say Boston is the perfect mix of big and small, old and new, and academic and creative.

What makes Boston a special place to live, work, play, and learn? Here are some of our Rochester guides' favorite go-to places.

FULL ITINERARY: Drew Mittelman '68 says Boston has it all for him and his wife, Maureen. From outdoor gems like Walden Pond (this page) to cultural treasures like the Boston Symphony Orchestra, where he's been a subscriber for more than 40 years, Mittelman says: "The area has everything that's in my wheelhouse: the outdoor accessibility, intellectual and political mindedness, and a real focus on the arts."



✂ Eat, Drink, and Be Merry!

A The Buttery

314 Shawmut Ave., South End

With two locations in the hip and historic South End, the Buttery offers a great atmosphere and foodie fare, from salted caramel mocha lattes to breakfast scones to fig and arugula salads. One location hosts a market, where patrons in a hurry can pick up everything from sesame-crusted roasted salmon to glazed meatloaf to pies, tarts, and other desserts. **Erika Illiano** '97 and her husband, Richard, make the Buttery a regular stop on their way to the Huntington Theater Company, where they have been season ticket holders for more than a decade.

B S&S Deli and Restaurant

1334 Cambridge St., Cambridge

Fantone has been a regular since the 1970s, when he was an undergraduate at MIT and his brother, Joe, attended Tufts. They would meet here, the halfway point between campuses. Rochester connections run deep, too, as the family of Gary Mitchell '79 founded the restaurant 100 years ago. Started by Mitchell's maternal grandmother's family, S&S stands for "essen and essen," which means "to eat and to eat." Although Fantone doesn't order them as much as he did in his younger years, he highly recommends the pastrami sandwiches and cheesecake. "They are the best anywhere," he says.

C Hei La Moon

88 Beach St., Chinatown

"I love that Boston has a Chinatown," says **Dion Chay** '98S (MBA), who notes this as his favorite dim sum venue. "Try to go on a Sunday morning for brunch," he says. "It's the best time to get the full experience—lots of people chatting, carts being pushed around, and endless cups of tea." Chay recommends the restaurant's "char siu bao," a tasty steamed pork bun.

D Mike's Pastry

300 Hanover St.

versus

E Modern Pastry

257 Hanover St.

There's a battle of confection going on in the North End, Boston's Little Italy. According to Illiano, Mike's Pastry is where the tourists tend to go, while Modern Pastry is where you'll find the locals (and her Italian father-in-law when he visits). Her favorite item there? The Florentine—a chocolate Italian lace cookie. **Beth Coughlin** '12 prefers Mike's for its lobster tail. The good news? You can't go wrong with either choice.

F Hopsters Brewing Company

51 Sleeper St., Seaport and 292 Centre St., Newton

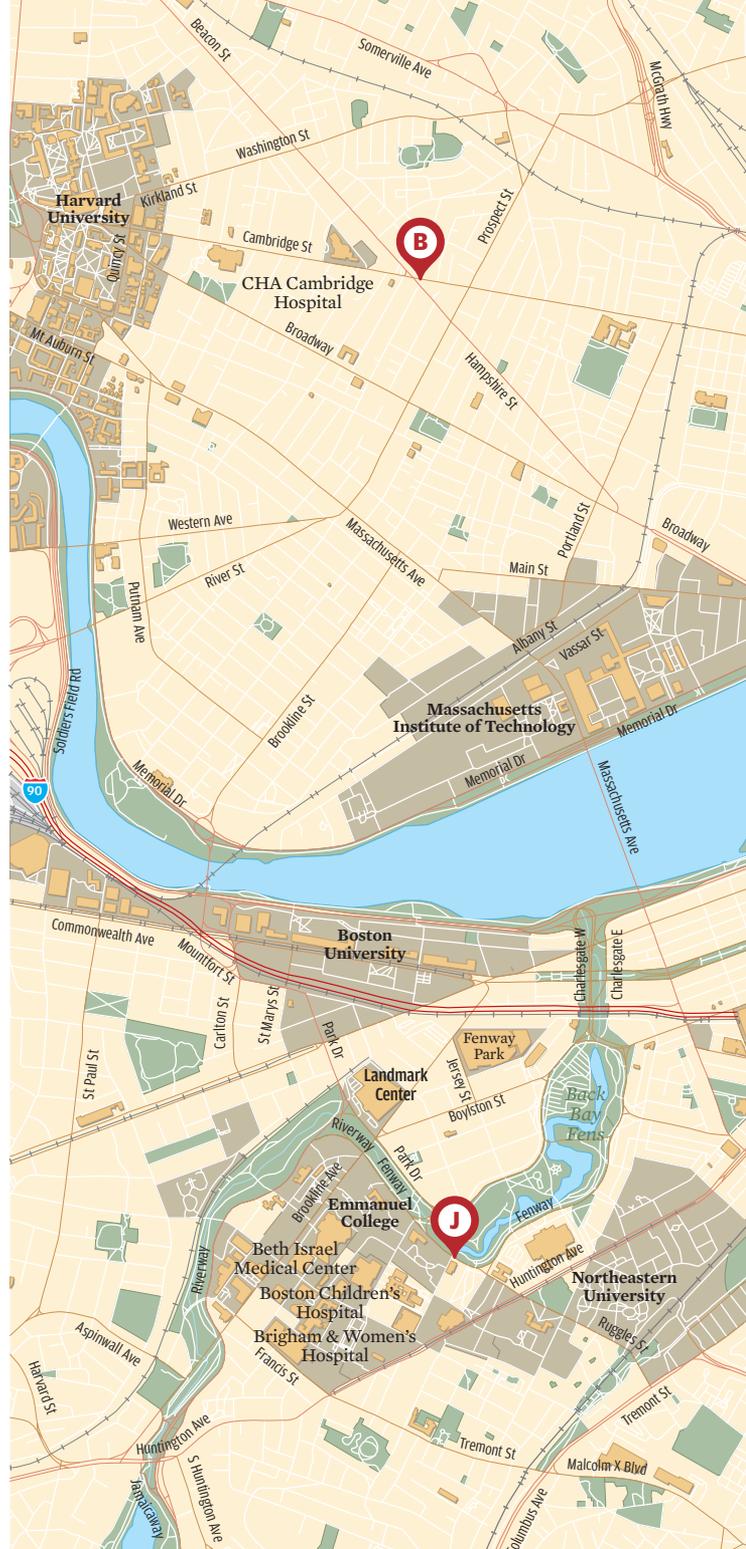
Hopsters is owned by Illiano's good friend and fellow alumna **Karen Forgosh Cooper** '97 and her husband, Lee. "In addition to their bar and locally sourced food, they have kettles you can reserve to brew your own beer with guidance from an expert brewmaster," Illiano says.

🌿 Parks & Rec

G Walden Pond

915 Walden St., Concord

With 335 miles of protected open space, visitors can hike, boat, swim, and visit a replica of Henry David Thoreau's famous cabin as well as the site of the original structure. **Drew Mittelman**



A College Town

The Boston Metropolitan Area is widely recognized for its rich diversity of colleges, universities, and other educational, cultural, and civic institutions. Rochester has connections to many of them. Here are a few examples:

Rub George's Nose

On the campus of MIT, near the entrance to Room 120 in Building 6, there's a bronze plaque featuring the image of Kodak founder George Eastman. The plaque recognizes Eastman's multimillion dollar contributions to MIT, gifts that were made anonymously during Eastman's lifetime. (He was known as the "mysterious Mr. Smith.")



When in Boston ...

Boston-area alumni offer a few insights about their city and its surroundings. The color-coded circles match the descriptions for each spot. The Boston edition of Show Us Your Town is part of a series highlighting the University's regional networks and communities.

Unveiled after Eastman's death in 1932, the plaque became part of a campus tradition at MIT: for decades, students have rubbed the bronze nose for good luck. Supporting education was a key component of Eastman's philanthropy. In addition to his historic support for the University, he was also an important benefactor for Tuskegee University and Hampton University, two historically black universities.

Share an Architectural Vision

The prominent architectural firm of McKim, Mead, and White left its mark throughout Boston and Cambridge in the late 19th and early 20th centuries, playing a role in the design of the Boston Public Library, Symphony Hall, and Harvard Business School.

At Rochester, the firm was hired to design the Eastman Theatre and

a 1926 addition to the Memorial Art Gallery, as well as to consult on the original design of the River Campus. The firm also designed interiors for George Eastman's mansion, at one time home to University presidents.

Know Your New Presidents

In April, **Andrea Kalyn '02E** (PhD) was formally installed as the first woman to lead the New England Conservatory. Located a block from Symphony Hall, the conservatory is the nation's oldest independent music school. One of the guest speakers for her inauguration was **Mark Volpe '79E**, president and CEO of the Boston Symphony Orchestra. And in Quincy, **Jack Connell '14W** (EdD) became president of Eastern Nazarene College last fall. Founded in Saratoga Springs, New York, the Christian liberal arts school is celebrating the centennial of its South Shore location this year.



'68—a self-proclaimed “urban person” who hails from Brooklyn and who, along with his wife, Maureen, thrives on the theater, music, and opera that Boston offers—enjoys visiting the idyllic spot to relax. “Thoreau really made this ordinary pond iconic,” he says. “Coming here to this beautiful place brings me back to a different, simpler time.”

H Boston Common

139 Tremont St.

Often mistakenly referred to as Boston Commons, this is America’s oldest public park. Designed by famed landscape architect Frederick Law Olmsted, the Common continues to be a favorite spot for locals and tourists as well as a venue for public assembly and free speech. It is a central part of what is known as the “Emerald Necklace” in Boston, a stretch of connected parks that spans seven walkable miles. Bleicher and Greenstein recommend going to the Common’s Frog Pond in the winter for ice skating.

I Lawn on D

420 D St., South Boston

Located in the Seaport area, one of Boston’s newer green spaces features swings, lawn games, food trucks, concerts, and other activities. “It’s really an adult playground,” says Illiano. “People actually wait in line for the swings, which glow in the dark at night.” Coughlin enjoys the venue, too. “The swings are really works of art that invite you to play on them,” she says. “It’s a great way to get people outside to interact with each other and enjoy something new that Boston has to offer.”



CITY SENSIBILITY: Stephen Fantone '79 (PhD) (opposite) says establishments like S&S Deli contribute to Boston’s small-town sensibility, while for husband and wife Paul Bleicher '83M (MD/PhD) and Julia Greenstein '81M (PhD) (above), the bustling biotechnology and health care economies are hallmarks of the region.

A COMMON HOME: Beth Coughlin '12 (right) says the area offers a nearly limitless range of places, like Boston Common, to explore. “There is so much to do here, and for me, most importantly, Boston feels like home,” she says.





Meet Your Guides

The Boston team of guides includes members of the National Alumni Board and the Boston Network Leadership Council as well as alumni who have advisory, admissions, and volunteer roles.

Paul Bleicher '83M (MD/PhD)

West Newton
CEO, Optum Labs

Julia Greenstein '81M (PhD)

West Newton
Founder, Life Science Advisors

Greenstein and Bleicher were originally from the East Coast and were drawn to Boston as a hub for biotechnology and health care innovation. “Boston really offers so much, and it is small enough that it is easy to get to experience the activities. The city, our professions, and our community keep us here, and there is always something new to do,” says Greenstein.

Dion Chay '98S (MBA)

Boston
Senior Vice President, Business Strategy
and Initiative Management, Bank of America

A job opportunity brought Chay to Boston, but the history, culture, and ambiance of the city keep him there. “I love the fact that Boston has all the amenities of a big city without being overwhelming.”

Beth Coughlin '12

Boston
Provider Group Manager, Tufts Health Plan

Coughlin has been in Boston for six years, having arrived for a job in health care. “Boston isn’t a concrete jungle. You can walk almost anywhere in the city, and I love the easy access to parks, gardens, and festivals and events like the Boston Marathon and the Head of the Charles.”

Stephen Fantone '79 (PhD)

Lynnfield
President/CEO, Optikos Corporation

After finishing his thesis work at Rochester, Fantone returned to Boston, having been an undergraduate at MIT. “You can really get your arms around Boston, and the area has everything you can imagine—an unmatched scientific and intellectual environment, arts, recreational options, and an ocean you can readily enjoy.”

Erika Illiano '97

Sudbury
Vice president of consumer experience, Alight Solutions

For Illiano, there are many reasons to love Boston—the number of colleges and universities keeps the city energetic and provides a rich arts and cultural scene. “Our central location means we can be in New York City or the mountains of Vermont in just a few hours.”

Drew Mittelman '68

Dover
Partner, Dedham Dental Associates

Except for two years in military service, Mittelman hasn’t left the Boston area since arriving for dental school at Tufts. “I love the area—it is aesthetically diverse with the ocean and the mountains, but it is the young, vibrant city that keeps me excited about being here.”

For information about the Boston Regional Network, including events, social media connections, volunteer opportunities, and more, visit Rochester.edu/alumni/boston.

Museums & Culture

Isabella Stewart Gardner Museum

25 Evans Way

When Illiano first moved to Boston in 1999, she fell in love with the Gardner. “It’s completely unlike a traditional museum,” she says. “In addition to offering a distinct experience, the museum happens to be the scene of one of the most famous art heists in the world, and they’ve even kept the frames of the stolen paintings on the walls.” Bleicher encourages visitors to spend time there, too, especially in the garden. He notes that “even in the dead of winter, the space is really something, with the sun streaming through the skylights.”

Museum of African American History

46 Joy St.

The museum focuses on the stories of black communities from the Colonial Period through the 19th century. Chay is a museum regular and notes that the building that houses it used to be a school for African American children and, later, a meeting house for African Americans. “The museum should be a stop for anyone visiting the area,” says Chay. “It’s a historical treasure that highlights the roles and contributions of African Americans in our country’s history.”

Boston Public Library

700 Boylston St.

“I take visitors here all the time,” says Coughlin, who says that from the second floor people can get a great view of the Boston Marathon finish line. She also especially enjoys visiting the library’s Periodical Reading Room, which reminds her of the Martin E. Messinger Periodical Reading Room in Rush Rhees Library. “The similarity is uncanny,” she says. In January, the Boston Network hosted a New Year celebration for alumni at the library.

On the Waterfront

Wingaersheek Beach

Atlantic St., Gloucester

Illiano recommends heading to the North Shore for five miles of white sand at Wingaersheek Beach, always less crowded than Cape Cod. Explore its huge rocks, too, especially during low tide, which is also a great time to search for crabs and other creatures.

Charlestown Commuter Ferry

4 Constellation Wharf

“There’s no shortage of whale watches, cruises, and party boats to explore Boston Harbor, but one of the best and most economical ways to get an incredible view of our skyline is hopping on the commuter ferry to Charlestown,” says Illiano. “No need to buy tickets in advance—just walk up to the booth and catch the next available ferry for just a few dollars.” The ferry travels between Long Wharf and the Navy Yard, home of the USS Constitution Museum.

Castle Island

2010 William J. Day Blvd.

The hidden treasure south of the city anchors Pleasure Bay Beach, which was also designed by Olmsted and is part of the Emerald Necklace strand of green spaces around the city. The beach is near Chay’s home in Dorchester, and he often walks the narrow strip of land (it’s not actually an island) and enjoys taking visitors there. “This is an ideal place to stroll, bike, and even grab some of Boston’s famous fried clams.” 





SETTING THE STAGE: For theatergoers like Erika Illiano '97 (above), the city's historic theater district, which is also home to top-notch restaurants like the Buttery, is a long-standing testament to Boston's deep interest in supporting a lively artistic and cultural scene.



MUSEUM MOMENT: Boston's Museum of African American History "does an amazing job of highlighting the roles, stories, and historic contributions of African Americans in our country's history," says Dion Chay '98S (MBA) (left).



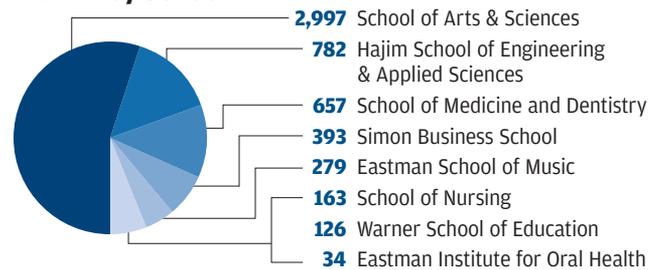
Boston Regional Network

Cochaired by Stephen Fantone '79 (PhD) and Drew Mittelman '68, the Boston Network Leadership Cabinet plans activities for the University community in the region.

5,185 alumni
436 students

552 current parents
243 volunteers

Alumni by School



Regional Networks and You

The University's regional networks offer alumni, parents, students, and friends a variety of social events, networking opportunities, and community service projects in Boston as well as in Baltimore, Chicago, Houston, Los Angeles, Philadelphia, San Francisco, Rochester, New York City, and Washington, DC, with new cities added regularly.

Many volunteer opportunities exist, too, and include organizing events, interviewing and mentoring students, welcoming new alumni to an area, and serving as social media ambassadors.



For more information on how you can get involved, visit Rochester.edu/alumni/regional-network.



THEATER AND BEYOND

Now Playing: ToddX

Alumni of the International Theatre Program take center stage for an inaugural showcase of River Campus graduates who now have roles in the performing arts, media, and leadership.

How do you get on the stage—or behind the scenes—of a Broadway production? Or land a role in front of a television camera? Or have your likeness appear in a video game?

It's not just practice, practice, practice. Getting experience with Rochester's International Theatre Program is also a good place to start.

That was the message from a group of theater alumni who spent a weekend on campus this spring as guests of ToddX, a series of workshops, master classes, panel discussions, and other events designed for graduates to share their experiences and advice with current students.

Organized by Nigel Maister, the Russell and Ruth Peck Artistic Director of the International Theatre Program, the inaugural session included alumni who work in stage and screen performance and technology, new media, business brand development, and military leadership.

The 2019 lineup included:

Noshir Dalal '03, a professional stunt actor and motion capture artist whose credits include Rockstar Games' *Red Dead Redemption 2*, *Spider-Man PS4*, and *Call of Duty, Black Ops 3*. He also works in TV and film and does voice work.

Jeff Englander '10, a lighting programmer who has worked on such Broadway productions as *Three Tall Women* and *Cabaret* and has enjoyed a multiyear tenure with the Santa Fe Opera.

Liz Femi '02, an actor and writer who has a recurring role on the forthcoming Netflix series *Ratched*. She also appears in *Love*, a Netflix project coproduced by Judd Apatow, and has had other roles on TV productions, including NBC's *Parks and Recreation*.

John Fulbrook III '93, a designer and multiplatform branding expert and former creative director at Simon and Schuster, who has also had roles at the Martin Agency, Collins, and other brand identity firms.

Patrick McMenamin '01, an executive producer with BuzzFeed News, who helped launch *HuffPost Live* and is a former producer for ABC News and Fox Business.

Mark Perlberg '78, the president and CEO of Oasis Outsourcing, who serves on the boards of the Minneapolis-based Playwrights' Center and the nonprofit theater company Palm Beach Dramaworks, where he is cocreator and executive producer of the Master Playwright Series.

Actor and singer **Andrew Polec '12 (KEY)**, who played the role of Strat in the original London production of *Bat Out of Hell: The Musical*, for which he won the Joe Allen "Best West End Debut Award." He's also appeared in notable productions of *The Fantasticks*, *The General from America*, and *Troilus and Cressida*.

Broadway and TV costumer **Alex Rozansky '11**, who was the wardrobe supervisor for *The Band's Visit*, which won the 2018 Tony Award for "Best New Musical." She also has been a wardrobe assistant for NBC's *The Today Show* and *Late Night with Seth Meyers*.

Naval Cdr. **Jean Marie Sullivan '99**, the commanding officer of the USS *Whidbey Island*. Among her many roles in the US Navy, she has served as a speechwriter for the director of Women's Policy and Chief of Naval Personnel and special assistant to NATO Joint Force Command Naples.

Producer **Becca Weiss '10**, the artistic director of Spicy Witch Productions, where she oversees the artistic operations of the nonprofit repertory company and spearheads its writer-in-residence program. 

CLINICAL CAPTURE: Motion-capture specialist Noshir Dalal '03 leads a workshop in Spurrier Hall this spring as part of ToddX, a series of events featuring alumni who took part in the International Theatre Program as students.

ALUMNI FORUM

Identity Theft and You

How do you best protect yourself from identity theft? Can you make your online life safe and secure? Three alumni experts weigh in.

As told to Kristine Thompson

Identity theft, data breaches, and online security are increasingly important issues affecting the world of the 21st century. How do we navigate life in a data-driven era while safeguarding our privacy and security?

Three alumni with expertise in technology, data privacy, and cybersecurity offer their thoughts.

'Not Good News'

BRUCE SCHNEIER '84

An internationally recognized security technologist, Schneier serves as a special advisor to IBM Security and as chief technology officer of IBM Resilient, which helps businesses respond to security threats. A cryptologist, he is the author of 15 books on security.

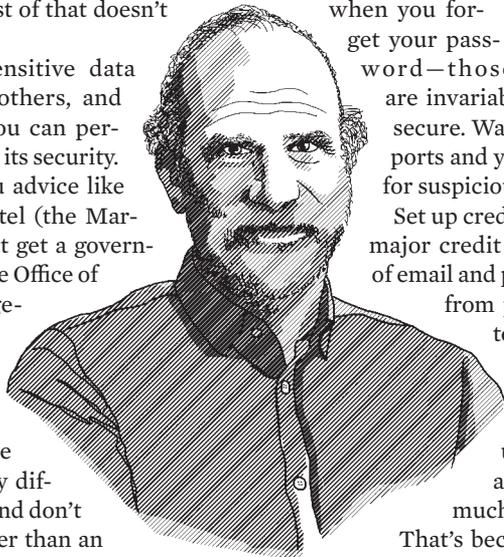
I don't have a lot of good news for you. The truth is there's nothing we can do to protect our data from being stolen by cybercriminals and others.

Ten years ago, I could have given you all sorts of advice about using encryption, not sending information over email, securing your web connections, and a host of other things—but most of that doesn't matter anymore.

Today, your sensitive data is controlled by others, and there's nothing you can personally do to affect its security.

I could give you advice like don't stay at a hotel (the Marriott breach), don't get a government clearance (the Office of Personnel Management hack), don't store your photos online (Apple breach and others), don't use email (many, many different breaches), and don't have anything other than an anonymous cash-only relationship with anyone, ever (the Equifax breach).

But that's all ridiculous advice for anyone trying to live a normal life in the 21st century.



The reality is that your sensitive data has likely already been stolen, multiple times. Cybercriminals have your credit card information.

They have your social security number and your mother's maiden name.

They have your address and phone number.

They obtained the data by hacking any one of the hundreds of companies you entrust with the data—and you have no visibility into those companies' security practices and no recourse when they lose your data.

Given this, your best option is to turn your efforts toward trying to make sure that your data isn't used against you.

Enable two-factor authentication for all important accounts whenever possible. Don't reuse passwords for anything important—and get a password manager to remember them all.

Do your best to disable the "secret questions" and other backup authentication mechanisms companies use when you forget your password—those

are invariably insecure. Watch your credit reports and your bank accounts for suspicious activity.

Set up credit freezes with the major credit bureaus. Be wary of email and phone calls you get from people purporting to be from companies you do business with.

Of course, it's unlikely you will do a lot of this. Pretty much no one does.

That's because it's annoying and inconvenient.

This is the reality, though. The companies you do business with have no real incentive to secure your data. The best way for you to protect yourself is to change that

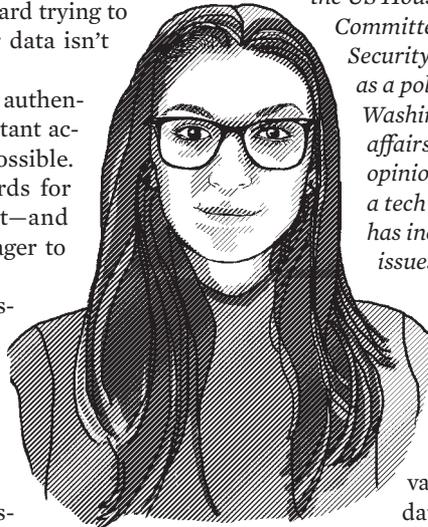
incentive, which means agitating for government oversight of this space.

This includes proscriptive regulations, more flexible security standards, liabilities, certification, licensing, and meaningful labeling. Once that happens, the market will step in and provide companies with the technologies they can use to secure your data.

'It's Important to Empower Yourself'

EMILY TRAPANI '14

Trapani serves as a policy director for the US House of Representatives Committee on Homeland Security. She previously worked as a policy specialist for a Washington, DC, government affairs firm and as a public opinion polling manager for a tech startup. Her portfolio has included national security issues as well as cybersecurity, data privacy, and foreign affairs.



Consumers tend to think that it's the responsibility of the government and private sector to protect their data.

However, in current practice, the United States government has taken a rather limited role in data security, focusing on creating minimum standards of security, encouraging companies to follow best practices, and outlining breach notification requirements. Data regulation in the US is highly fragmented, as there are different laws specific to industries, jurisdictional boundaries, and data types.

As for the private sector, companies have a business interest in protecting consumers' personally identifiable information, yet also a very real financial interest in mining, packaging, and selling consumer data to third parties. Inevitably, there are security gaps that exist when it comes to your data.

With this in mind, there are some basic steps you can take to help protect yourself.

Write down all financial, social media, and other online account information and

passwords where you provide personally identifiable information. Keep this information in a secure location.

It will help identify where a breach has occurred, and which passwords need to be changed elsewhere in the event that one of your accounts is compromised.

There are encrypted password management software programs and apps that can do this for you.

These programs have built-in security features that scramble the data, ensuring a breach does not result in any personal information being compromised.

Enable two-factor authentication. Many social media sites and email service providers offer this extra layer of protection; opt in under “security settings.”

This verifies your identity by sending a randomized code directly to your cell phone or other method of communication after you enter your user name and password information.

Change your passwords every few months on sensitive accounts.

Avoid connecting to public Wi-Fi in coffee shops, transit stations, and other highly trafficked public locations. These are breeding grounds for identity theft. Use the “personal hotspot” feature on your phone instead.

At home, make sure your Wi-Fi router has encryption enabled. To check, click on your home computer’s Wi-Fi icon and view “properties.” The best widely available right now is WPA-2.

Don’t default to using “autofill” options when entering your personally identifiable information on websites. Although they offer in-the-moment convenience, they increase your exposure to identity theft.

Regularly review the transactions on your debit and credit cards. Although banks have gotten very good at fraud detection, things can slip through the cracks.

Keep an eye on your credit score. There are a few companies that offer free credit checks that won’t affect your score if you review it periodically.

Be cautious of any email from an unknown sender, only click on links from sources you trust, and be skeptical of any

email asking you to provide personally identifiable information.

Email phishing scams are common. Interestingly, recent security industry reports have found that the market built around phishing scams has become more profitable than the illicit drug trade.

Protect your credit card information when you’re in public by using a wallet or card holder that incorporates radio frequency identification (RFID) blocking technology. Criminals can use radio frequency scanning devices to steal your credit card information by simply walking by you on the street.

It’s important to empower yourself and those around you to get smart on data security.

While the government and private sector offer certain protections, being an educated steward will help fill in the gaps to enhance the security of your data.

‘Today, Everything Is at Risk’

MARK ZAID ’89

The founding manager and partner of his own law firm, Zaid has been named a Washington, DC, Super Lawyer and a Best Lawyer by Washingtonian magazine for his national security work. He is also the executive director of the James Madison Project and a cofounder of Whistleblower Aid.

The best way to protect yourself? The answer is really something that probably none of us can stomach: don’t be online.

If you have an online presence, which is virtually required nowadays, and unless you are on the Forbes 100 most wealthy people list, you really can’t completely protect yourself.

Today, everything is at risk.

For me, and most of us, we don’t need to worry about the government or spy agencies tapping into our lives.

It’s the dark web radicals, ideologues, and hackers we should think about. They don’t follow rules or ethical norms.

And, although the major companies out there are getting more and more sophisticated when it comes to security breaches, so are the criminals.

Apple, IBM, and Google may be able to

keep up with them, but most of us, as individuals, can’t.

What can we do? We all need to pursue protection based on our personal comfort level and how much we want to spend. Think about statistics and act accordingly. With millions of people online, the odds of someone latching onto me or you are small. That said, there are common sense things we can all do.

Be careful with your credit card information. Use cash when you can, for instance, in restaurants, gas stations, and elsewhere.

Rip up or, better yet, shred anything with identifying information in it—like those credit card solicitations that we all get often in the mail. Your info is likely in that envelope that you never open, so don’t make it easy for criminals to get.

Whatever is most convenient for them to take and use, they will. So make your information less easy for criminals to get. Know that identity theft is a crime of convenience.

The more steps you take, the more likely a criminal will be to go to the next person.

Sign up for a protective service and check your credit score regularly. All banks offer this, many for free. If you see something odd, report it right away.

Remember that when you are online, you are using public forums—even though you are doing so in a private capacity. Be smart, and then your information will be difficult to steal.

Be cognizant of the location trackers on your phone and minimize the ability for someone to find you. Many apps and games, along with tools and devices, use your location data so this is getting harder to avoid.

Be careful about wireless usage, too. Use your own hotspot, if you can. It adds another level of protection. Also, think about using encrypted apps like WhatsApp, Viber, or Signal for texting.

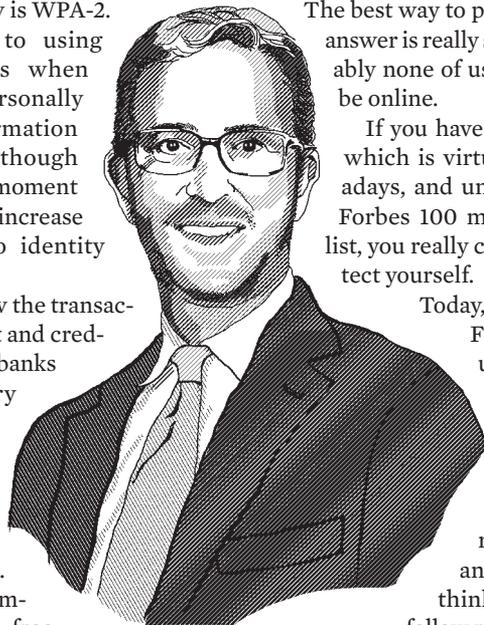
One thing you should never do: don’t ever post anything that alerts people you aren’t home.

If you are at the theater, don’t post pictures to social media about the performance that will start in minutes.

If you are on a bucket list trip in some distant place, don’t post anything until you are home.

If you do post when you are out for the night or week, you are telling people, aka criminals, that your house is easy to break into.

I tell my family and friends: “If you don’t want the *Washington Post* posting it, don’t send it.” 





INTEGRATING CHANGE: Children of color make up the majority of American public schoolchildren. Yet integrated schools are still defined as “schools where there’s a white majority,” Canada observes.

Revisiting *Brown v. Board of Education*: Did We Learn the Wrong Lesson?

Theresa Canada ’76, ’89W (EdD), part of an early experiment in school desegregation, reflects on that experience and the landmark Supreme Court decision that inspired it.

By Karen McCally ’02 (PhD)

In the early 1960s, **Theresa Canada** ’76, ’89W (EdD) was a student in elementary school in Central Harlem, where she lived just steps away from the neighborhood’s main thoroughfare, 125th Street. She shared an apartment with her mother and father and three siblings, blocks from the storied Apollo Theater. Her parents both had steady jobs. Family life revolved around sit-down dinners, chores, church—and, for Canada, piano lessons and recitals.

When she was entering the fourth grade, she learned she’d be moving schools. Instead of continuing at Public School No. 157, a short walking distance from home, she would be transferred to P.S. 6, 40-some blocks south and to the east, in the heart of what was long known as the “silk stocking” neighborhood of Manhattan. P.S. 6 was overwhelmingly white, and most of its students

were, by Canada’s standard—and by most standards at the time—astonishingly wealthy.

This year marks the 65th anniversary of *Brown v. Board of Education of Topeka, Kansas*, the landmark Supreme Court decision that ended *de jure* segregation in the South and inspired efforts in the North to rectify widespread *de facto* segregation. Canada, now a professor of education at Western Connecticut State University, revisits her experience at P.S. 6 in a book, *Desegregation of the New York City Schools: A Story of the Silk Stocking Sisters* (Peter Lang). The volume contains the first-person recollections of seven women of color, including Canada, who were part of the same transfer program to the Upper East Side school. (Canada uses pseudonyms for each of the women, including herself.)

Canada and her cohorts recall P.S. 6 as unusually rich in resources—such as new, modern desks, an auditorium, and a host

of extracurricular opportunities—that weren't available at their neighborhood schools. But for her part, Canada recalls her time at P.S. 6 as “a traumatic experience.” And while several of the women report mixed feelings, they remember teachers ill prepared to teach middle- and working-class black children, even though each of the women had been selected for the transfer program based on tests and teacher recommendations.

“Summer,” for example, recalls the teacher who sat students of color in “clusters”—always at the back of the room. Several of the women remember raising their hands but rarely being called upon—neither for answers to questions nor for the special classroom duties that schoolchildren often prize. And “Evelyn” has never forgotten the scolding that she alone received, in front of her classmates, for doing long division the “wrong” way, despite having arrived at correct answers.

Experiences like these have led Canada to count herself among critics of one of the most significant arguments in the *Brown* decision. “The argument [in *Brown*] was that segregated schools were psychologically damaging. But the key was, there was a distinct difference between what was provided in schools that were so-called segregated, as opposed to those that were basically white schools. It wasn't about just sitting in class with white students.”

Her view is shared by a sizable number of so-called *Brown* “revisionists” within black communities. In 2004, the *New York Times* reported on a “shift in sides” on desegregation, pointing to disenchantment among many black parents with long bus rides and fraught politics—and a deep yearning for tight-knit neighborhood schools.

Canada, who still lives in the Harlem neighborhood of her youth, recalls its diversity when she started attending P.S. 6. There were her Greek neighbors who owned the beauty salon on the ground floor of her building and her friend across the street, whose parents were Chinese immigrants.

She recalls, as well, her first black teacher—a woman at P.S. 157 who “was strict as heck” but “made you feel that you could accomplish anything.”

But while there is sharp disagreement among stakeholders about how high to prioritize integration, Canada argues that demographics may dictate how the debate unfolds. According to the Pew Research Center, beginning in 2014, students of color went from a minority to making up a majority of American public schoolchildren.

“We define integrated schools as schools where there's a white majority,” Canada says. If integration, as traditionally defined, continues to be a top priority, Canada worries that many schoolchildren will suffer from educational neglect.

“Schools that were once predominantly white are now mainly black and Latino,” Canada writes in the conclusion to her book. In that context, the major goal might not be integration. Instead, “[t]he key factor to consider is whether society has met the goal of educational equality.”

While she recalls P.S. 6 as “an excellent school, by any measure,” she echoes the mixed sentiments of Evelyn, who cried when she first learned that she would be transferring schools. There was “a feeling,” said Evelyn, “of, why couldn't I have gotten that in my own neighborhood?” 

AWARD WINNERS

Bright Lights

This spring, several recent alumni won prestigious awards to support advanced study.



Woong Hwang '11 was awarded a 2019 Paul & Daisy Soros Fellowship for New Americans. The fellowship recognizes outstanding immigrants and children of immigrants in the United States who are pursuing a graduate education in the US. Hwang, who was born and raised in Seoul, South Korea, was one of 30 individuals to receive awards this year, selected from a pool of 1,767 applicants from across the country.

As a neuroscience major at Rochester, Hwang worked as a research assistant in the lab of Gail Johnson, a research professor in the Department of Anesthesiology and Perioperative Medicine. Hwang is now in the MD/PhD program at Yale University, where he researches the molecular mechanism of a gene identified in birth defects that affect heart development and numerous cancers.

Hwang joins three other Rochester alumni who have been awarded Paul & Daisy Soros Fellowships: **Ryaan Ahmed** '15E (MM) (2013), **Shizuo Kuwahara** '98E (2000), and **Prahjot Singh** '03 (2005).



Susan Ojukwu '17 received a USAID Donald M. Payne International Development Graduate Fellowship, awarded to outstanding individuals interested in careers in the foreign service. Ojukwu is the first Rochester student or alumnus to receive the fellowship, which provides support over two years for graduate school, internships, and professional development. As a double major in international relations and public

health while at Rochester, Ojukwu participated in education abroad programs in France, Hong Kong, and mainland China, and conducted undergraduate research on strengthening health systems and food aid in West African countries. Ojukwu works as a program assistant at the Institute for Global Leadership at Tufts University and begins working toward a master's degree in public health at George Washington University this fall.



And two Rochester alumni joined 11 current students in winning 2019-20 grants in the Fulbright US Student Grant program. **Sophie Aroesty** '18, who majored in psychology and English, will serve as an English teaching assistant in North Macedonia. She now works as a case manager at the nonprofit Neighbors in Action.

Jonathan Campanaro '18, '19W (MS), a Spanish major as an undergraduate, graduates this spring from the Warner School's Teaching English to Speakers of Other Languages (TESOL) program. He'll serve as an English teaching assistant in Mexico. After his Fulbright year, he hopes to teach English to non-native speakers and work to shape policies for more culturally responsive schools.



Class Notes



SOUND ANNIVERSARY: Members of the a cappella group Vocal Point strike a pose in 1988. Celebrating the 50th anniversary of the all-women ensemble's founding this year, the group is scheduled to release a new album, *1969*, this fall. Recognize anyone? Email us at rochrev@rochester.edu.

College

ARTS, SCIENCES & ENGINEERING

1949 **Martin Messinger** (see '89).

1951 **Bill Lindquist's** daughter Rondi sends news of his death to *Review*, which, she says, he enjoyed reading most of his adult life. Bill was a World War II Navy veteran, teacher, national ski patroller, past president of Richardson Boat Owners Association, and author of *The Richardson Story*, a 190-page history of the boat company with 320 pictures, published in 1990. "We will miss his literacy, intelligence, woodworking skills, industriousness, humor, and all the love he had for his family, near and far," writes Rondi. Bill raised five children and was married for 67 years to his wife, Deirdre, who survives him. . . . **Dave Ocorr** (see '59).

1955 **Warren Erickson** sends a photo of himself (left) with **Barclay Ruhm** taken at the Villa Tropical resort on the west end of Puerto Rico, a longtime winter getaway for



1955 Erickson

Barclay and his wife, Nancy, and—for six out of the last seven years—for Warren and his wife, Betty, as well.

MEDALLION REUNION OCTOBER 3-6

Rochester.edu/alumni/class/1959

1959 **George Salemi** writes: "The 1958 undefeated U of R football team was honored with a brick placement at Red Wing Stadium's

Walk of Fame as a "Team of the Ages." The team was 8-0 without allowing a score in the first five games and allowed only 19 points for the entire season, scoring 257 points versus 19 for the opposition." From left to right—starting second from left—are **George Hole '60**, **Jerry Winter**, **George Salemi**, **John Parrinello '60**, and Coach **Dave Ocorr '51**.

1960 **George Hole** (see '59). . . . **Jeremy Leichtner** writes that he is enjoying being retired and watching his grandchildren grow up. He adds that he is "recently widowed but carrying on," and looks forward to the next reunion. . . . **Judy Barker Lovaas '61N**, '64N (MS) (see '56 *Medicine and Dentistry*). . . . **John Parrinello** (see '59).

1961 **Carl Ellenberger** published *Theme and Variations: Musical Notes by a Neurologist* (Sunacumen Press), which he describes as "a fascinating glimpse into the mysterious workings of music in the human

Abbreviations

- E** Eastman School of Music
- M** School of Medicine and Dentistry
- N** School of Nursing
- S** Simon Business School
- W** Warner School of Education
- Mas** Master's degree
- RC** River Campus
- Res** Medical Center residency
- Flw** Postdoctoral fellowship
- Pdc** Postdoctoral certificate

brain.” Carl is a physician and a flutist and the founder of Gretna Music, a summer music festival taking place in Pennsylvania since 1975.

1962 Thomas Tiffany released a children’s book, *My!Key Moments* (Thomas Tiffany), in March. It’s the story of a boy who meets “a critter named My!Key Mugwump,” who discusses with him “the many ‘whys’” in his life related to interpersonal relations, health, family, and society.

MEDALLION REUNION

OCTOBER 3-6

Rochester.edu/alumni/class/1964

1964 Robert McMillen has been appointed by the New York State Court of Appeals to a seventh three-year term on the New York State Board of Law Examiners.

1965 Barry Libin published his second novel, *The Vatican’s Vault* (Milford House Press), in February. Barry is chairman and CEO of Sustained Nano Systems.

1967 George Shaw published *Great Moments in the History of Life* (Springer). He’s a professor emeritus of the geology department at Union College.

50TH REUNION • OCTOBER 3-6

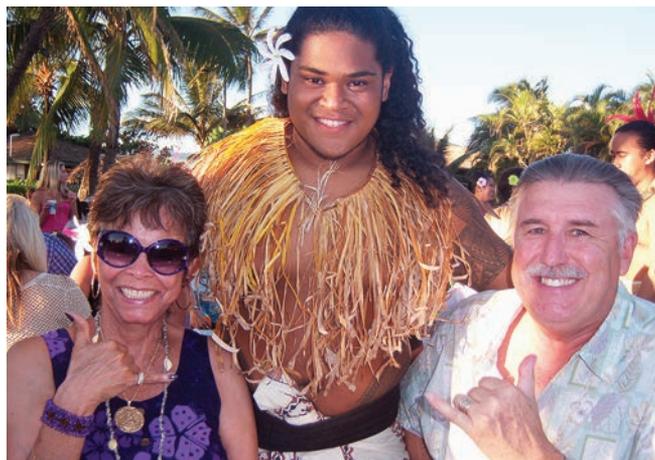
Rochester.edu/alumni/class/1969

1969 Bill Eckert sends a photo of himself in Hawaii with his wife, Calina, and a guide. . . . **Stuart Mushlin** writes: “I have fully retired from the faculty of Harvard Medical School as of October 2018. Francine and I have moved full time to Longboat Key, Florida. I am in close touch with classmates **Don Thomases** and **Howard Vipler** and fortunately did NOT join them for a summer bicycle trip where it apparently rained every day. I recently ended a two-year term as my medical school’s alumni president, an honor for which I am most grateful.” . . . As the Class of 1969 approaches its 50th reunion this fall, we asked graduating senior and University Communications student writer **Suzie Ziegler** ’19 to catch up with **George Hood**, one of the cochairs of the milestone reunion class. In the Winter 2019 issue, she talked with cochair **Alan Finder**. As of early April, there is already a strong turnout among members of the class to attend reunion events during Meliora Weekend.

Suzie asked George to reminisce about his time on campus, his mem-



1959 Salemi



1969 Eckert



1973 Lewin

ories of getting ready to graduate, and his advice to a graduating senior. Here’s her report:

If George Hood could change one thing about his time in undergrad, it would be to stick with his passion. Originally a history major (and then an English major) at Bucknell, George transferred to Rochester his junior year to pursue psychology.

“I was interested in cognitive psy-

chology,” he says, “but I didn’t have a focus or passion on what I wanted to do at that point.” He continued his search for a passion by enrolling in a doctoral program at the Warner School of Education after graduation. But after a year he changed course. “It wasn’t my cup of tea.”

Yet he never felt dispirited or lost. “I felt comfortable going into the world. For some reason I thought I

could deal with anything it threw at me,” he says. He attributes that confidence to his undergraduate experience at the University. “I didn’t realize at the time, but a lot of the thought process I was practicing would help me later on. It was that willingness to look at different types of problems and not be intimidated by [them].”

George offered some advice for new undergraduates: develop your passions early and stick with them. If you’re excited about something, stay excited. Don’t let others try and talk you out of your interests or into things you’re not interested in.

He has followed his own advice by returning to his first passion: history. In his free time, he travels with Road Scholar, an educational tour company that specializes in niche history around the world. He knows you’re never too old to keep learning or explore somewhere new. “Having gone to UR and met people from different backgrounds and countries, my wanderlust gets the better of me quite a bit,” George says.

1973 Philip Lewin sends a photograph of himself with his wife, Janice, in a recording studio, along with this update: “After a successful concert in New York City in January 2018, performing original music, the concert has been released as an LP (yes, vinyl!). Also, in 2019 look in theaters for an important film, titled *Skin*, by director Guy Nattiv. The film takes on the American Nazi subculture and, I’m pleased to say, features my original song ‘Watercolours’ and my performance of it from my 1975 album.” . . . **Eileen Lewis** sends a photo of herself (page 50) with **Andrea DiGaetano Turner**. She writes that they “marked 50 years of friendship with a trip to Antarctica early in 2019. Since being assigned as freshman roommates, we have traveled together in Mexico, Germany, Austria, Israel, Jordan, Ireland, and London and have now visited the penguins in Antarctica.”

45TH REUNION • OCTOBER 3-6

Rochester.edu/alumni/class/1974

1974 Kevin Feeney ’75S (MBA) writes that he and his wife, **Carol Buttenschon Feeney** ’76N, both retired at the end of December. He worked as a CPA in auditing firms and corporations and then capped off his 43-plus year career as an associate professor of accounting at Southern Connecticut State

Continued on page 50

SIGHTS & SOUNDS

The Rochester Effect Heard around the World



WASHINGTON, DC: Being Human in the Digital Age: In a discussion of ethical issues created by new technologies, panelists—NPR associate producer Madeline K. Sofia '16M (PhD) and professors Ehsan Hoque and Randall Curren (on the stage) and faculty moderator David Williams—explored how virtual reality, artificial intelligence, and data science are transforming aspects of the human experience.

Alumni, faculty, and friends engage in a series of conversations to explore critical social questions.

By Kristine Thompson

Can creativity be cultivated? What does it take to conquer a disease? How does digital technology affect what it means to be human?

Since last fall, members of the University community, from Chicago to Shanghai, have been taking part in conversations that explore such questions. Collectively titled “The Rochester Effect,” the series brings together faculty, alumni, parents, and others to share their perspectives on some of the world’s most challenging issues.

The culminating event will come this October in Rochester, as part of Meliora Weekend. Here are some highlights from the series.

Valuing Academic Inquiry in a Democracy

WGBH Studios, Boston
November 2018

PANELISTS

Carmala Garzione, Helen and Fred H. Gowen Professor in the Department of Earth and Environmental Sciences

Peter Lennie, Jay Last Distinguished University Professor

Brian Mitchell '81 (PhD), president of Academic Innovators and former president of Bucknell University

David Williams, William G. Allyn Professor of Medical Optics and dean for research in Arts, Sciences & Engineering

“Universities are creating the kind of productive citizens and the engaged workforce that, on a global scale, societies across the world need.”—MITCHELL

“Really, our effort is on training people to think, to ask questions, and to be

able to solve problems they haven’t seen in the classroom before.”—GARZIONE

“Academic freedom doesn’t mean you are free to do anything you want or to do nothing . . . it means you are free from capricious interference with your work—that’s the key protection of a decent university.”—LENNIE

“We have to engender in our students that risk taking is

good. That’s where the big payoffs are, that’s where the big wins are.”—WILLIAMS

Cultivating Creativity and Inspiring Innovation

Museum of Broadcast Communications, Chicago
November 2018

PANELISTS

Alan Pierson '06E (DMA), artistic director for Alarm Will Sound

Jennifer Grotz, poet and professor of English

Phillip Ying '91E, '92E (MM), associate professor of viola and chamber music at the Eastman School of Music and a founding member of the Ying Quartet

Jonathan Binstock, Mary W. and Donald R. Clark Director of the Memorial Art Gallery

“One of the great things I’ve loved about being a musician is that it’s an activity that engages every part of what it means to be a human being, and there aren’t many activities that do that beyond the arts.”—YING

“This is why we call these things the humanities. It’s the history of trying to figure out what it means to be human and how to express it. It’s our greatest wealth, and if we don’t learn it and share it, we lose it and it’s gone.”—GROTZ

“We live in a time that I think we desperately need to cultivate more empathy, more of the kind of radical empathy that lets someone try to really understand what it’s like to be leading a very different life from the one that they’re living.”—PIERSON

“I’m thinking of the University’s motto Meliora—ever better. The concept of process, of becoming. I mean, that embodies this idea of creativity in a sense.”—BINSTOCK

Conquering Disease

WHYY Studios, Philadelphia
February 2019

PANELISTS

John Foxe, Kilian J. and Caroline Schmitt Chair in Neuroscience and director of the Del Monte Institute for Neuroscience

Barry M. Goldstein '82M (MD/PhD), '85M (Res), vice president of Diabetes and Endocrinology Clinical Development Services at Covance Inc.

Catherine K. Kuo, associate professor of biomedical engineering

Kerry O'Banion, professor of neuroscience and neurology

"People who are trained in multiple disciplines cross boundaries, they are building teams, and they are breaking old ways of thinking about how to solve problems."—FOXES

"None of this happens in a single person's mind or a single laboratory; it often is the culmination of lots of efforts that lead to breakthroughs."—O'BANION

"I'm a materials science engineer by training, but I'm a professor in biomedical engineering and orthopaedics because I ask questions about biology and I approach them from an engineering perspective."—KUO

"[C]onquering disease to cure patients' lives, alleviate pain and suffering, and to prolong life . . . it's really what keeps you going, [regardless of] whatever stage you happen to be working in, in the complicated matrix [of the medical field]."—GOLDSTEIN

Being Human in the Digital Age

NPR Headquarters,
Washington, DC
February 2019

PANELISTS

Randall Curren, professor and chair of philosophy

Ehsan Hoque, Asaro Biggar Family Fellow in Data Science and interim

director of the Goergen Institute for Data Science

Madeline K. Sofia '16M (PhD), associate producer on NPR's Science Desk

David Williams, William G. Allyn Professor of Medical Optics and dean for research in Arts, Sciences & Engineering

"We're, at this very moment, looking at a reign of technological developments that are unprecedented in human history . . . what does this mean for being human?"—WILLIAMS

"In the same way that we are designing studies, we should develop technologies with diverse participants, diverse mind-sets, different people in the room. For instance, when developing artificial intelligence, we need sociologists, philosophers, technologists, engineers, and lawyers—all of these people need to come together if this will be effective."—SOFIA

"What can artificial intelligence do to make us more human? And the next question you can ask is, what does it mean to be more human? What do you want to do? Be a good storyteller perhaps, show empathy, connect with people? Technology can help you do all of that."—HOQUE

"The technologies we are creating and the rising levels of expertise that go with them go hand in hand, and with that we are creating an incredibly complex world . . . we have to have some vision of how we can all live well together."—CURREN

For More Rochester Effect

The Rochester Effect series travels to San Francisco on May 29 and to Denver on May 30 before concluding in Rochester during Meliora Weekend. For details, visit the website Everbetter.rochester.edu/events.



BOSTON: Valuing Academic Inquiry in a Democracy: Former Bucknell University president Brian Mitchell (left) and faculty members Carmala Garziona and Peter Lennie discuss the role of universities in helping preserve academic inquiry and freedom.



CHICAGO: Cultivating Creativity and Inspiring Innovation: Musician Alan Pierson '06E (DMA) (left), faculty poet Jennifer Grotz, and violist Phillip Ying '91E, '92E (MM) explored creativity with MAG's Jonathan Binstock.



PHILADELPHIA: Conquering Disease: Faculty member John Foxe (left) led a discussion about challenges in health care with faculty panelists Kerry O'Banion and Catherine K. Kuo and endocrinologist Barry M. Goldstein '82M (MD/PhD), '85M (Res).

Continued from page 47

University. Carol, an RN, retired after working more than 42 years in hospitals, HMOs, and clinical practice. In January, they moved from New Canaan, Connecticut, to Abington, Pennsylvania. . . . **Susan Heilbrunn Shapiro** writes: “My husband, Rob, and I have the makings of our own boys basketball team. We now have five grandchildren, all boys! The last two were born three weeks apart in December and January. I’m putting up a hoop in our driveway in Honeoye.” . . . **Richard Holober** writes: “In the November election, I was re-elected to my sixth term on the San Mateo County Community College Board, and I just completed my fourth term as board president. In my day job, I’ve served as executive director of the Consumer Federation of California since 2001.” . . . **Susan Lauscher** writes: “I’m retired! After being a lawyer for 40 years, the last 24 at the Nature Conservancy, I decided that it was time to let other (younger) folks shoulder the burdens. It was a great career—the US Department of Health and Human Services, private practice representing nonprofits, and the Nature Conservancy. I did very few things that I was ashamed of doing and did many things of which I am proud—not a bad career. I live in a suburb north of Denver; contact me if you’d like to visit.” Susan offers her email address, susan_lauscher@yahoo.com.

1975 Joseph Hymes '77M (MS) writes: “After a long career as a medical practice executive, I retired as the CEO of Anesthesia Associates of Ann Arbor this year. Lori, my wife of 38 years, and I plan to travel. Our oldest son, Tony, lives in Paris, France, and announced that he and his wife, Magali, will have our second grandson in June. Needless to say, we will be in Paris during the



1973 Lewis



1975 Hymes

summer. One other annual trip I will make is to have ‘Dinner with Coach Stark,’ my UR football coach and 50-plus alumni who make the trip each year.”

1976 Barbara Suckle Boardman (see '06).

1977 Alyson Buchalter was installed in January as the 2019 president of the Second District

Dental Society. The SDDS is a component of the New York State Dental Association and the American Dental Association, representing approximately 1,500 dentists from Brooklyn and Staten Island. . . . **Daniel Kimmel** has published his eighth book and third novel, *Father of the Bride of Frankenstein* (Fantastic Books). Daniel writes: “While continuing as a film critic for NorthShoreMovies.net, I’ve

branched out into humorous genre fiction. In addition to the novels, I’ve had some two dozen short stories published in the last few years.” . . . **Joyce Wasserstein** writes: “After two years of wedding planning (our son got married in November 2017 and our daughter in June 2018), my husband and I embarked on an amazing adventure visiting Antarctica. Ironically, the severe cold back home in Bethesda, Maryland, made the weather in Antarctica seem almost balmy much of the time—I never expected that going to the White Continent would be a good escape from the frigid winter up north! Kidding aside, the trip brought us face to face with the effects of climate change and pollution of the oceans and the impact on the habitats and lives of the animals living there . . . not to mention our own. Back home, I maintain my small private psychotherapy practice, volunteer at a no-kill cat shelter, and will be looking for more ways to take what I learned from the trip and translate it into some meaningful action.”

1978 Rob Herbstman '82M (MD) reports that he is president of the New Jersey Society of Plastic Surgeons. He had served on the NJSPS board for several years and is the medical director of Contemporary Plastic Surgery, with offices in central New Jersey. He has been in practice for 28 years and was among the pioneering group of nine students admitted into the original Rochester Plan, the integrated and then novel approach to medical education that started in 1976.

40TH REUNION • OCTOBER 3–6
Rochester.edu/alumni/class/1979

1979 Lloyd Fred ran, promoted, and hosted a comedy performance for six straight Friday nights in Ridgefield, Connecticut, last

MELIORA
WEEKEND

OCTOBER 3–6, 2019

SAVE THE DATE
rochester.edu/melioraweekend



UNIVERSITY of ROCHESTER ALUMNI



1977 Buchalter

September. Lloyd writes: “We had so much fun. It was not my Rochester training, though it was better than taking organic chemistry; that’s for sure.” . . . **Earl** and **Tamara Schanwald Norman** ’80 send this note and two photographs: “A group of 1979 alumni and their spouses convened on New Year’s Eve in Boston at the home of **Bob Pais** and his wife, Rhonda. We celebrated with **Carl Blahut** and his wife, Maryanne; **Larry** and **Halee Day Burg**; **Dave Fraenkel**; and **Dave Hammond** and his wife, Sue. We send a before (1979) and a now (2019) photograph.” In both photos are (front row, left to right) Earl, Bob, Carl; (back row, left to right) Larry, Dave Hammond, and Dave Fraenkel.

1980 Steven Lapham published the article “Ten US Churches Now Sanction Israel—To Some Degree, and with Caveats” in the March/April 2019 issue of the *Washington Report on Middle East Affairs* magazine. He’s a volunteer with Unitarian Universalists for Justice in the Middle East, Voices from the Holy Land Film Series, and Freedom 2 Boycott in Maryland. . . . **Tamara Schanwald Norman** (see ’79).



1979 Norman

1983 Nine members of the Class of 1983 met for a bacon-themed brunch in New York City in March. The “U of R Brunch Bunch” reconnected in 2008 at their 25th reunion and have been meeting ever since for brunch several times a year in the Manhattan area, according to **Rosie Zaloum Foster**. “Not everyone in the group knew each other well when we were in college, but everyone knew at least one other person well—and over the years our bonds have strengthened,” writes Rosie. Also present for the bacon reunion were **Leslie Harf**, **Illyse Kaplan**, **Jill Bachman Cheriff**, **Mariko Sakita**, **Claire Cohen Lerner**, **Helene Bergerbest Weinberger**, **Sue Trachtenberg Paula**, and **Wendy Jackelow**.

35TH REUNION • OCTOBER 3-6
Rochester.edu/alumni/class/1984

1984 Bob Glowacky ’85M (MS) and his family were joined by Rocky on a recent ski trip to Deer Valley, Utah. Pictured with Bob (page 53) are his wife, Janney; daughter, Alexandra; and son, Will. Bob writes that he looks forward to seeing his classmates in October at



1977 Wasserstein



1983 Foster

their upcoming 35th reunion. “I’m not quite sure where the years have gone, but I hope you all are well. See you at Meliora Weekend!”

1985 Jennifer Donnelly published the young-adult novel *Stepsister* (Scholastic Press) in May.

1988 Brian Sweeney is CEO of the digital commerce platform *Collide*, which launched in January. Based in Culver City, California, *Collide* is a subscription service that connects users online with their favorite content creators and generates

income for creators without relying on advertising revenue.

30TH REUNION • OCTOBER 3-6
Rochester.edu/alumni/class/1989

1989 Andrew Rehfeld was elected the 13th president of Hebrew Union College-Jewish Institute of Religion. The HUC-JIR board of governors elected him in 2018, after a national search. He succeeds Rabbi Aaron Panken, the late son-in-law of **Martin Messinger** ’49. Andrew was previously president and chief executive officer of the Jewish Federation of St. Louis, an associate professor



CLASS NOTES

of political science at Washington University in St. Louis, and a prominent leader of the St. Louis Jewish community. . . . **Dave Wasser** has founded a nonprofit in Austin, Texas, called Cruelty Free Investing, designed to promote animal rights by researching corporations and providing relevant information for investors.

1991 **Alonzo Borja** sends a photo along with this update: "I completed my first full Ironman in Haynes City, Florida, in 2018. It was on my bucket list of things to do before I turned 50."

25TH REUNION • OCTOBER 3-6
Rochester.edu/alumni/class/1994

1994 As the Class of 1994 approaches its 25th reunion this fall, we asked graduating senior and University Communications student writer **Caitlin Davie '19** to catch up with **Betsy Carroll** and **Jim Newton**, cochairs of the milestone reunion. As of early April, there is already a strong turnout among members of the class to attend reunion events during Meliora Weekend.

Caitlin asked Betsy and Jim to reminisce about their time on campus, their memories of getting ready to graduate, and their advice to a graduating senior. Here's her report:

As Betsy Carroll reflects on her postcollegiate journey, she now believes that a successful life does not depend on what you do—it's the happiness that you find in your work that makes a fulfilling career.

When Betsy graduated from Rochester with a degree in religion and classics, she didn't have a specific track to follow or a particular goal in mind. "I had a couple of corporate jobs," she says. "And every day I thought, 'Why do I bother going to work?'"

After realizing that her current

path was wrong for her, she went on to work at two dance companies in New York. She immersed herself in the local arts community, and she was once again excited about her professional achievements. "Even if you're not making a lot of money, being a part of a community is fulfilling," she says. "I needed to have a values-based career."

Betsy continued to work in what she found rewarding. She earned her MBA from Binghamton University in

order to help the institutions within her artistic community to grow. She then transferred to York College of Pennsylvania as the director of institutional research and assessment, and later stepped into her current role as the director of institutional research and effectiveness at the Culinary Institute of America.

According to Betsy, it's all about finding what matters to you. "You create your own track for yourself, even if it doesn't have a simple name

like 'teacher' or 'doctor,'" she says. "So everyone has to do some self-reflection: 'What are my five-year goals? What skills do I need? Where do I want to go?'"

She has a message for those who are soon to create their own path: "Sometimes things will go great, and sometimes things will be hard. There's no getting around it. But if you got accepted to the U of R, then you're going to be OK. You'll find your way."



GREEK GATHERING

A Reunion, Y'All

Alumni from Phi Sigma Sigma, spanning the Classes of 1984 to 1987, gathered in Nashville, Tennessee, for a reunion. Pictured are: (front row, left to right) Suzy Yesley '87, Sharon Krinsky Brown '84, Hilary Morrison Roman '87, Fran Barber Davis '84, Marcy Mailman Freeman '84; (second row) Ann Elias Dreiker '84, Nina Shinagel '84, Donna Meyerhoff Hull '85, Dana Goldstoft Cahill '85, Joan Farley Pellegrino '86, Mary Pizzimenti Garber '86, Ellen Roth Meiner '86, Maxine Fass Berg '86, Deb Zimmer '86; (back row) Jenny Olsson Harrison '86, Lori Rudnick Goldstrom '85, Renee Repka '85, Kathleen Komar '85, Ann Michelle Landers Garrison '85, Ellen Bechhofer Kitchen '84, and Amy Goldstein Borne '87.

YOUR REUNION

MELIORA WEEKEND OCTOBER 3-6, 2019

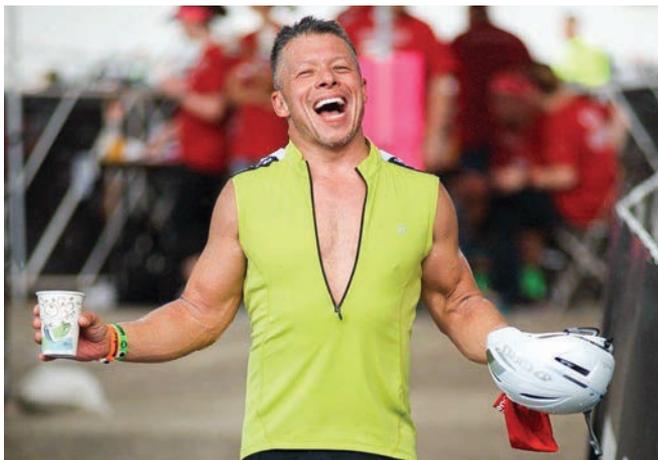
See who's celebrating at
rochester.edu/reunion | #URreunion



UNIVERSITY of ROCHESTER ALUMNI



1984 Glowacky



1991 Borja

When graduating college students earn their diplomas, they are often struck by several daunting questions: “Will I be able to find a job? Is this career right for me?” But when Jim Newton obtained his degree in political science at the University, he felt no anxiety about the future. He knew that he was ready.

“I felt prepared when graduating. I had such outstanding professors, and I learned a lot from my peers,” he says. “Rochester really was a transformative experience for me.” So when he made the transition to Cornell Law School with the goal of becoming a lawyer, he felt confident that he had the tools he needed to succeed. “I found it to be very difficult, as I was raising the caliber of what I was trying to do. But my Rochester education served me well.”

Jim went on to work in corporate law for several years, but he later decided to make a career change. He took a job at the University at Buffalo School of Law, plunging into unknown territory. “I had a young

family at the time. It was a risk to move to higher education, which I hadn’t done before,” he says. But he knows that he made the right choice. He advises younger professionals: “Always be mindful that, particularly with your career, you can’t be focused on other people’s perceptions. You have to take risks and make the move if it feels right for you, even if others may not understand or agree with it.”

Jim’s move to higher education has paid off, as his work at Buffalo led him to a position at the Simon Business School at Rochester. He started as the executive director for alumni and advancement and quickly became the assistant dean.

“It’s a really exciting opportunity to be a part of an organization that I think is constantly improving and is making a tremendous impact, on students in particular,” he says. “I’ve held a variety of administrative positions, but I’d always thought it would be great to come back to the University of Rochester, because I received such a tremendous edu-

A MYSTERY SOLVED

‘Loose’ Cup Finds Its Way Home

An alumnus helps reunite a University memento with its family.

The cup has found a home.

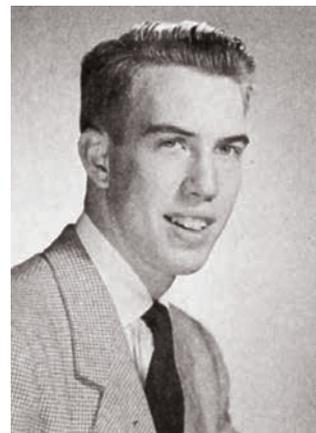
In December 2016, a friend gave David Skonieczki ’71 a 1953 University of Rochester Psi Upsilon fraternity cup with the word LOOSE imprinted on the side.

“He found the cup while cleaning out his parents’ home in Salisbury, Massachusetts, and knew I had gone to UR,” says Skonieczki, who lives in Hampton, New Hampshire. “He wanted me to have it. But I wondered who it belonged to.”

Skonieczki contacted *Rochester Review*, which ran a note in the July 2017 issue. Donald Brady ’55, a former Psi Upsilon

member, read the story and remembered that “Loose” was a nickname for fraternity brother Robert Lohnes ’54. “Loose was a character and very unique,” Brady says. “He was a happy-go-lucky, funny guy. I knew the mug was his.”

Lohnes had died in early December 2016—the same week Skonieczki had been given the cup. *Review* reached out to Lohnes’s family via Facebook Messenger and connected his daughter, Amy Fairchild, with Skonieczki.



“David and I had a great conversation on the phone,” says Fairchild, who lives in Lancaster, Kentucky. “I feel like I’ve made a new friend.”

No one knows how the cup wound up in a house in Massachusetts, but it’s back home in Kentucky. Skonieczki mailed the mug to Fairchild, and it sits in her office—a reminder of a mystery solved.

“I know Dad would have loved this,” Fairchild says. 

—CAITLIN DAVIE ’19



MUG SHOTS: A Rochester fraternity mug discovered in a home in Salisbury, Massachusetts, has been returned to the family of Robert Lohnes ’54 (above), thanks to Dave Skonieczki ’71, who asked for help from the University community in finding the mug’s owners.

cation here. I wanted to be a part of it.”

His advice to graduating students is “to put the work in, but not to worry too much. Rochester really prepares you well to make an impact on whatever field you choose.”

1995 Wayne Kiedaisch Greenfield '08S (MBA) writes that in 2016 he launched a small brewery, the Seattle Kombucha Company, with the help of friends and family. In 2018 they began selling kombucha flavors at local farmers markets and at the world-famous Pike Place Market on weekends. “Now in 2019, we will expand production, complete our first angel seed round, expand sales to more than 200 Pacific Northwest stores, and launch Seattle’s first kombucha bar in Pike Place Market!” he adds. He invites classmates to check out the brewery’s website at seattlekombucha.com—or stop by, if you’re near Seattle. . . . **Tom Stone** has been busy promoting his book, *Now Taking the Field: Baseball’s All-Time Dream Teams for All 30 Franchises* (ACTA Sports). He writes: “The biggest boost recently came from my appearance on the *MLB Now* show on the MLB Network in February. I was on for the entire show as an analyst alongside Joe Girardi, Dan O’Dowd, and Scott Braun as we discussed various baseball topics of the day.”

1997 Rabbi Malka (Melissa) Packer-Monroe writes that she

Send Your News!

If you have an announcement you’d like to share with your fellow alumni, please send or e-mail your personal and professional news to *Rochester Review*.

E-mail your news and digital photos to rochrev@rochester.edu. Mail news and photos to *Rochester Review*, 22 Wallis Hall, University of Rochester, Box 270044, Rochester, NY 14627-0044.

Please do not edit, crop, or resize your digital images; send the original, full-size file downloaded from your camera or smartphone.

To ensure timely publication of your information, keep in mind the following deadlines:

Issue	Deadline
Summer 2019	June 15, 2019
Fall 2019	Sept. 15, 2019

married Mercy Packer-Monroe in northern Georgia in October 2017.

1998 Nathan Bickel '99 (MS) writes that he and his wife, Fengyuan Chen, welcomed a son, Zachary, in November 2018. “He is a welcome addition to our home in Ithaca, New York.” . . . **Nicholas Brandt** published a graphic novel, *Joshua Jace: Minimum Wage Henchman Vol. 1* (Reasonably Epic Productions), in January. Nick also wrote the book for the musical *Glass Ceilings*, which will premiere at the Hollywood Fringe Festival in June. . . . **Jennifer Kouzi** writes that after 14 years as a divorce attorney in New York City, she’s added divorce coaching to her services. “Divorce coaching is not legal in nature, but I draw on my significant experience when aiding clients.” She coaches globally and “enjoy(s) helping people overcome the feeling of being overwhelmed pre-, post, and, of course, during divorce.”

20TH REUNION • OCTOBER 3-6
Rochester.edu/alumni/class/1999

1999 Jennifer Farmer recently launched a new public relations and strategic communications consultancy, Spotlight PR. She writes that she represents “clients as varied as Michael Render, aka Killer Mike; former Ohio senator Nina Turner; Bernie Sanders’ legacy political organization, Our Revolution; Funders’ Collaborative for Youth Organizing; and many more.” . . . **Mitchell Kalmar** writes: “It is with great joy that my wife and I welcomed twins Zoe Juliette and Julian Zachary last December. We also moved this year to STL!”

2000 Christie Scotty Totten has been promoted to partner in the Portland, Oregon, office of the law firm Davis Wright Tremaine. Christie is an employment litigator who defends employers against claims of all types while also maintaining an active advice and counseling practice. She works with employers of all sizes and from all industries, with a particular focus in the health care, technology, and agriculture/wine industries.

2002 Monique Terry writes that 2018 was “a busy and adventurous year of traveling, teaching (English), and studying (Mandarin and finance) in Asia for me. While 2019 will be filled with more of the same, no two days were alike. From adoring the



1995 Greenfield



1997 Packer-Monroe



1998 Bickel



1999 Kalmar

majestic views of Purple Palace in Beijing; to revering the Ming Palace Ruins in Nanjing; to meeting uniquely interesting people from South Africa, Cameroon, London, Kansas, New York City, Scotland, Ireland, and China who were also exploring Asia; and, of course, spending time with family and friends as they prosper—2018 was another year of blessings. Speaking of family, my two sons—Jalen and Xavier—are blossoming in Rochester and in the Rochester City School District under the undeniably supportive coordinated efforts of their teachers and administrators! I hope YOU found ways to GROW and enjoy beauty, honor, and the mystical glories the world has to offer in 2018. If so, send me a note about it. If not, send me a note; we'll work out fantastic plans for 2019 and beyond together. Cheers and Meliora!" You can email Nikki at monique.nikki.terry@gmail.com.

2003 Todd Hildebrandt sends an update: "I started a new job as director of education at Colorado Document Security in Grand Junction, Colorado."

15TH REUNION • OCTOBER 3-6
Rochester.edu/alumni/class/2004

2004 Ben Cross '06W (MS) was promoted to assistant coach for the Columbus, Ohio, Major League Soccer team Columbus Crew Soccer Club, first team. Ben was the club's under-19 head coach before being named to the first team coaching staff earlier this year.

2005 Jedd Sereysky '06 (MS) died last October, writes his father, Andrew Sereysky. Jedd had earned his MD and PhD at the Icahn School of Medicine at Mount Sinai in New York and completed a general surgery residency at Montefiore Medical Center in the Bronx. Last fall, he had just begun training in the Harvard Combined Plastic Surgery Residency Program in Boston. Jedd and his wife, Jessica, were expecting a child at the time of Jedd's death. Jedd's father writes: "Jedd and Jessica's only child, Benjamin, was born in January 2019. The family has asked those who knew and loved Jedd to come together to support Benjamin's education. For that reason, the JBS Memorial Scholarship has been created to ensure that Benjamin has every opportunity to pursue higher education in honor of his dad. Donations can be made at fundly.



2009 Reback

com/remembering-jbs." Jedd is also survived by his mother, Joan, and his brother, **Brett '10**.

2006 Kathryn Harvey Boardman sends a photo along with this announcement: "**Jeremy Boardman** and I, along with our children Lillian and Winston, are pleased to announce the birth of our third child, Harrison John Boardman, in November. Harrison is also the grandson of **Barbara Suckle Boardman '76** and the nephew of **Andrew Boardman.**"

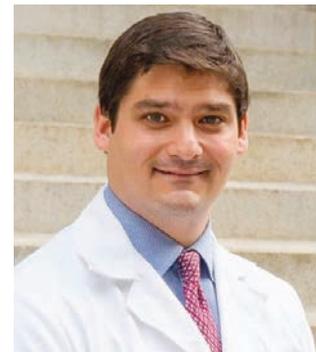
10TH REUNION • OCTOBER 3-6
Rochester.edu/alumni/class/2009

2009 Luke Rosiak, a reporter for the *Daily Caller*, published *Obstruction of Justice: How the Deep State Risked National Security to Protect the Democrats* (Regnery) earlier this year. . . .

Julie Shin Reback '11N, '16N (MS) and **Maxwell Reback, '15M (MD)** were married in May 2017 in Bridgewater, New Jersey. More than 30 Rochester alumni and Strong Memorial Hospital nurses attended. Pictured are (left to right, top row) **Luke Paddock '16N, Emma Lo '15M (MD), Ashley Slaughter '14M (MD), Mudit Chaand '14M (PhD), Ishmael Applewhite '16N, Jalisa McCullough, Michael Costa, Asia Todd '17N (MS), Dayo Lukula, Fola Ogundiran Lukula '11N (BS), Cynthia Arvizo '08, Sandra (Stephanie) Garcia, Zainab Alwan '08, Dinisha Fernando Nitkin '10, Rob Balme '14N**; middle row: Brian Bartlett, **Caitlin Mucenski '16N, Karen Schuster '15N, Diana La Torre**; bottom row: **Rahul Shah '15M (MD), Jesse Doran '14M (MD), '18M (Res), Andrew Klein '14M (MD), Jacqueline Brown '14M (MD),**



2002 Terry



2005 Sereysky



2006 Boardman



2010 Tapnack

Maxwell, Julie, **Brenda Bagnato** '12N, Mia Lytle, **Laura Kozak** '08, **Brittany Crowley Miller** '10, **Trevor Miller** '11, **Dev Master** '08; and, lying in front, **Behdad Bozorgnia** '14M (MD). . . . **Sarah Stelma** writes: "I am completing an orthopaedic surgery residency in 2020 at Tufts Medical Center in Boston."

2010 David Maystrovsky (see '12). . . . **Brett Sereysky** (see '05). . . . **Leana Jelen Tapnack** writes: "I got married to Sandy Tapnack in December 2018, and this is the first time we alumni friends have all been in the same place in almost a decade! What a great excuse to reunite." Pictured (page 55) from left to right are **Esther Witte, Lauren Schleider** '11, **Rebecca Weiss, Leana, Olivia Pedersen** '09, **Griffin Pahl, and Alyssa Wojciechowski.**"

2011 Adina Rubinoff Karantza writes: "In November 2018 I married Alex Karantza, not a UR alum but an RIT alum, so in the neighborhood! We were lucky enough to have many UR friends at the wedding." Pictured are (front row, left to right) Jasmine Florentine, **An-hoa Giang, Pamela Agbu;** (second row) **Darcy Chen** '13 (MS), **Jay Voris** '12, **Nate Zuk, Alex, Adina, Raisa Trubko** '10, **Chase Hermsen** '10, **Darcey Riley** '12, Ben Steiner, **Erin Dick Over, Robin Hill, and Ryan Over.** . . . **Milagros Rodriguez Mendoza** was married in February to Franchel Mendoza. Milagros went to work for the Department of Education as a bilingual/bicultural special education teacher after graduating from Columbia University Teachers College in May 2017. Franchel also graduated from Columbia. The couple lives in New York City. Milagros writes, "I am proud to have attended U of R for my undergraduate degree, which propelled me to be where I am today, and Franchel and I are looking forward to a lifetime of happiness together."

2012 Caitlin Olfano writes: "**David Maystrovsky** '10 and I are engaged! David popped the question in Geneva, New York, in front of Belhurst Castle. We're currently residing in Rochester and are excited to start planning a Rochester wedding!"

2013 Jonathan Richardson, director of development for the Albany Damien Center in Albany, New York, was recognized as a 2019



2011 Karantza



2011 Mendoza



2012 Olfano

Outstanding Young Professional by the Association of Fundraising Professionals at the association's annual conference in San Antonio in April. Jonathan is one of three fundraisers receiving the award this year; it recognizes exemplary fundraisers and campaign managers under the age of 31. As president of his AFP chapter, Jonathan is one of the youngest chapter presidents in the organization's history. He earned master of social work and master of public administration degrees at

University at Albany, SUNY, focusing on nonprofit management and social welfare policy.

5TH REUNION • OCTOBER 3-6
Rochester.edu/alumni/class/2014

2014 Stephanie Jordan writes that she completed an MS degree in developmental psychology from Maastricht University in the Netherlands. . . . **Sarah Skinner** writes that she and **Shawn Burke** were married in Webster, New York, last October over Meliora Weekend.

"Bridesmaids included **Bridget Hannon** and **Colleen Blanton,** with many other Yellowjackets in attendance!"

2015 Ivory Stokes sends an update: "After going on to earn my master's degree in acoustics from Penn State, I accepted a job with Emerson Electric as a sound and vibration engineer. I now live near Dayton, Ohio."

2017 Rashad Moore '18W (MS) is working as an intern to Ranking Member Sen. Patty Murray of Washington on the Senate Committee on Health, Education, Labor, and Pensions, as part of the Congressional Black Caucus Foundation Internship Program. Rashad previously worked for the Learning Policy Institute and the Rochester City School District. He's pursuing research on educational equity for black students and gentrification in high-poverty neighborhoods.

2018 Matt Bent (see '18 Eastman).

2019 Adrian Eldridge '19E (see '18 Eastman).

Graduate

ARTS, SCIENCES & ENGINEERING

1969 Betsy Neary Sholl (MA) published *House of Sparrows: New and Selected Poems* (University of Wisconsin Press) in February. A former poet laureate of Maine, Betsy teaches at the Vermont College of Fine Arts.

1983 Jeremy Greenwood (PhD) published *Evolving Households: The Imprint of Technology on Life* (MIT Press) in 2018.

1988 Randi Bassow Minetor (MA) has three book releases this spring: *Hiking Waterfalls in New York, 2nd edition* (FalconGuides); *Birding New England* (Falcon Guides); and *Death in Acadia National Park* (Down East Books).

1999 Nathan Bickel (MS) (see '98 College).

2006 Jedd Sereysky (MS) (see '05 College).

2008 Catherine Agar (MA) sends an update: she has a new position

as director of the Writing Center at Keuka College in Penn Yan, New York.

Eastman School of Music

1961 Bob Ehle writes that his composition *Rhapsody/Concerto, Op. 13*, “a jazzy concerto for piano and wind ensemble,” was premiered and recorded in Taiwan by Doris Huang and the Tainan Symphony Orchestra. “Doris also toured the solo piano version of the work, playing it all over the world (Seattle, Greeley, Boulder, Bangkok, Tokyo, and many others). She also wrote her dissertation on the work, and played the wind ensemble version at the Taipei Jazz Festival. The recording may be heard on Audiomack and portions on YouTube by entering *Rhapsody/Concerto/Ehle*.”

1970 Geary Larrick (MM) was presented with the Albert Nelson Marquis Lifetime Achievement Award by Marquis Who’s Who. A composer and percussionist, Geary spent his early career performing with the Baltimore Symphony Orchestra, the Rochester Philharmonic, the American Wind Symphony Orchestra, the Columbus Symphony Orchestra, and the Central Wisconsin Symphony Orchestra. He taught at the University of Wisconsin-Stevens Point for 16 years, retiring in 1985, after which he has continued to write and perform.

1972 David Owens writes that his three-movement chamber-vocal work, *Within a Dream*, was premiered last February in Boston. He adds, “the song group, for voice and string quartet, was commissioned by coloratura soprano Sierra Marcy.” . . . **Pamela Poulin** ’83E (PhD), a professor emerita at Johns Hopkins’s Peabody Conservatory, writes that she’s published *In the Footsteps of Mozart’s Clarinetist: Anton Stadler (1753-1812)* (Pendragon Press). The book includes “new information on Stadler’s five-year tour of Northern Europe that took him as far away as St. Petersburg, and about Stadler’s relationship with Mozart and Beethoven.” Pamela’s research first revealed what Stadler’s clarinet looked like, and it is now possible to build reproductions.

1973 The Croatian Chamber

Orchestra performs a work by composer **Bruce Reiprich** ’75 (MA) on its recording *Beneath the Tide: A Collection of Concertos* (Parma Recordings). *Lullaby*, which Bruce wrote to celebrate the birth of a friend’s child, features violin solo with orchestra.

1979 New York City-based composer **Paula Kimper** writes that the Paula Kimper Ensemble is performing one melody per week from *Kimper’s Melody Book for “Song of Myself”* to commemorate the 200th anniversary of the birth of poet Walt Whitman. The first several performances are available at <https://paulakimper.com/melody-book/>.

1980 Chicago-based magician and “musical mentalist” **Sidney Friedman** has published *Mind over Blubber: How to Use Your Mind to Lose Your Behind* (Sidney Friedman).

1983 Pamela Poulin (PhD) (see ’72).

1985 Lynda Cullen writes that after a 31-year career as a music educator in the Rochester and Buffalo areas, she retired and moved from Buffalo to the Washington, DC, area to be closer to family.

1988 Eileen Stempel has been named dean of UCLA’s Herb Alpert School of Music. She begins her new position in July.

1993 Kelly Hall-Tompkins has joined the violin faculty at the Manhattan School of Music. . . . **Gary Versace** (MM) (see ’18).

1995 Greg Yasinitsky (DMA) writes that his big-band composition “JEN-TEN”—written in honor of the 10th anniversary of the Jazz Education Network—was premiered at the keynote session of the network’s 2019 annual conference. It was performed by the JEN All-Star Big Band, with Greg conducting. Greg has also released a CD, *YAZZ Band* (YAZZ Recordings), which was showcased in *Downbeat* magazine. The CD has also been featured on the Public Radio International show *Jazz After Hours*. *YAZZ Band* was listed as one of the CDs of the Year-Big Bands by *Bebop Spoken Here* in the United Kingdom.

1998 Thomas Lausmann (MM) has been named director of music

‘WHAT’S HAPPENING IN THE INDUSTRY NOW’

Alumni Leaders: Hajim Young Leadership Council

Katie Schwertz ’08—an optics major turned senior designer at Edmund Optics—lives in Tucson and wanted to stay involved with the University after graduating but wasn’t sure how.

About five years ago, the Hajim School asked her to join a new group, the Hajim Young Leadership Council, whose goal is to connect alumni through educational opportunities, provide networking, and keep the school’s faculty members and leaders up to date about the state of the engineering industry. She has been on the council ever since. “It’s a great way to keep networks open, create and sustain connections, and give back,” she says.

John Pershing ’10, a computer science and math double major who now is vice president of software engineering at 1010data in New York City, has been involved from the early days, too. His engagement began when he volunteered for a Hajim class that undergraduates are still required to take, called Communicating Your Professional Identity. Part of his current job involves hiring interns, so staying connected with students helps tremendously.

Schwertz and Pershing are two members of the group, which



TIMELY INSIGHTS: As young graduates, Schwertz (left) and Pershing say they can provide an up-to-date perspective on engineering.

includes about 25 people and runs like a collective—without official leadership or a chair or co-chairs. “Our structure works well,” says Pershing, noting that people can be as involved as their schedules allow.

Both say they appreciate being able to make a difference for future engineers. “As fairly recent graduates, we can provide timely insight into what skills job candidates need and what’s happening in the industry now,” says Schwertz.

The council also organizes alumni events geared toward engineers. In 2017, the group hosted a behind-the-scenes tour of New York City’s South Ferry Subway Station before it reopened to the public. (The station had been flooded and closed for renovations after Hurricane Sandy.) “We strive to offer our alumni experiences they can’t get elsewhere,” says Pershing.

Jim Zavislan, the Mercer Brugler Distinguished Teaching Professor and associate dean for education and new initiatives at Hajim, says the group’s feedback has been valuable as the school evaluates its programs and initiatives. “The council mirrors in many ways the evolution in how people do business.”

For more information about the council and its programs, visit hajim.rochester.edu/hajim_young_leadership_council.html. 

—KRISTINE THOMPSON



MUSICAL THEATER

A Celebratory Stage

CAST & CHARACTERS: Alumni who made Musical Theater Workshop part of their undergraduate experience returned to campus this spring to celebrate the success of the program over more than 30 years.

The weekend-long event, which culminated in a production in Lower Strong Auditorium, was a tribute to the program's founders: Kim Kowalke, a professor of music in the School of Arts & Sciences and a professor at the Eastman School of Music, and noted Rochester director David Runzo.

Kowalke—who along with Runzo founded the program in 1987, organizing a student-driven, Broadway-style revue nearly every year—is retiring this spring from his position at the University.

Joining Kowalke and Runzo (seated at the top of the stairs) were—from the back (left to right)—Zachary Peterson '16E (MM),

Ben Thorburn '05, Daniel Israel '05, Matthew Myers '11 (T5), Justin Maldonado '18, Tess Troha-Thompson '06, Sarah Seider '08, Cory Clines '01, Sarah Heximer Klompstra '05 '06S (MBA), Jeff Kalpakis '03, Matt Hall '03, Jason McCool '97E, Heather Good '07 (T5), Benjamin Schudel '03, James Zino '11, Clive Onyango '21, Max Denler '03. In the middle row: Brooke Brehm '16, Caroline Ferguson '15, Miranda Gauvin '04, Kristine Wadosky '09, Syanis Vargas '21, Melissa Markley Claar '01, Hana Abrams '12 '14E (MM), Colby Dayton '19, Mel Balzano Gumina '12, and Lisa Conlon '02E. In the front row: Andrew Polec '12, Colleen Parker McMahon '00, Jennie Fagen '07, Kary Haddad '04 '06E (MM), Jody Cutler '89, Lee Wichman '91, Paul Aiello '96, Angela Cucci Rice '03, Michael (Tuba) McKinsey '02 '02E, and Rob Weinstein '02 '04 (MA).

—Jeanette Colby

administration at the Metropolitan Opera.

2003 Dave Stringham '11 (PhD) is coeditor of *Musicianship: Improvising in Band and Orchestra* (GIA Publications). He's an associate professor of music and the director of the Center for Inclusive Music Engagement at James Madison University.

2008 Susan Hochmiller (DMA) has published *So You Want to Sing Chamber Music: A Guide for Performers* (Rowman & Littlefield). She's an assistant professor of voice at Gettysburg College's Sunderman Conservatory of Music.

2011 Michaela Eremiasova (PhD)

and **Jairo Duarte-Lopez '16** (PhD) scored the music for the film *Brown Paper Bag*, which won Best Film and Best Director awards at the 2019 San Diego Black Film Festival. . . . **Dave Stringham** (PhD) (see '03).

2012 Sasami Ashworth has released her debut album, *Sasami* (Domino Records).

2014 Patrick Towey writes that he has served as director of bands at Plattsburgh Senior High School in Plattsburgh, New York, since his graduation from Eastman. In addition, he was recently guest conductor for the 2019 Clinton County (New York) All-County Honor Concert Band and, last summer in Lewiston, New York,

served as the music director for Artpark & Company's first Public Works production of the *Odyssey*. A piano and brass adjudicator for solo evaluation festivals throughout New York State, he was also a quarterfinalist for the GRAMMY Music Educator Award in 2016.

2016 Jairo Duarte-Lopez (PhD) (see '11). . . . **Andrew Links** (see '18).

2017 Greg Roberts (see '18).

2018 The 10-piece Rochester-based indie band the Saplings—consisting entirely of Eastman alumni and students—released the LP *Go Digital!* (Master Hand Records) in February. The Saplings are **Matt Bent** '18RC (drums/

vocals), **Abe Nouri** (Rhodes/vocals), **Ryder Eaton** (bass/vocals), **Greg Roberts** '17 (guitar/vocals), **Ben Bird** '19 (trumpet), **Andrew Links** '16 (synthesizers), **Geraldo Marshall** '19 (percussion), **Adrian Eldridge** '19, '19RC, **Jack Courtright** '19 (trombone), and **Rowan Wolf** '19 (saxophone). **Jose Escobar** is the group's general manager, and pianist **Gary Versace** '93 (MM), a professor of jazz studies and contemporary media at Eastman, is featured on the recording.

2019 Ben Bird (see '18). . . . **Jack Courtright** (see '18). . . . **Adrian Eldridge** (see '18). . . . **Geraldo Marshall** (see '18). . . . **Rowan Wolf** (see '18).

School of Medicine and Dentistry

1956 Arvin Lovaas (MS) died last December, his wife, **Judy Barker Lovaas** '60, '61N, '64N (MS), writes. "My husband loved his experience at U of R, as did I." Judy notes that Arvin was a research assistant to John Hursh, a faculty member at the Medical Center, before earning a PhD in radiation biology from Colorado State University. They collaborated on multiple studies on the absorption of radiation by animal and human tissues.

1962 Geoffrey Sperber (MS), a professor emeritus of medicine and dentistry at the University of Alberta, writes that the university has established an annual lecture-ship in his name.

1971 Ward Buckingham (Res) has published *Hope for Challenged Airline Pilots: An Untold Success Story* (Ward Buckingham), which addresses pilot alcoholism treatment.

1977 Joseph Hymes (MS) (see '75 College).

1979 Eric Topol (MD) has published *Deep Medicine: How Artificial Intelligence Can Make Healthcare Human Again* (Basic Books).

1982 Rob Herbstman (MD) (see '78 College).

1985 Bob Glowacky (MS) (see '84 College).

2015 Maxwell Reback (MD) (see '09 College).

School of Nursing

1961 Judy Barker Lovaas '64 (MS) (see '56 Medicine and Dentistry).

1973 Joyce Gillette writes, "After spending 39 years in Southern California, I moved to Rock Hill, South Carolina (about 30 miles south of Charlotte), to live near family. It has been quite an adjustment, weather-wise and culturally. Looking forward to being close to nephews and cousins throughout the Carolinas."

1976 Carol Buttenschon Feeney (see '74 College).



1973N Gillette



2017N Latona



2016S Kaur

2011 Julie Shin Reback '16 (MS) (see '09 College).

2017 Rachelle Latona and her husband, Larry, welcomed a daughter, London Rose, in January.

Simon Business School

1975 Kevin Feeney (MBA) (see '74 College). . . . **Pal Luthra** (MBA) writes that, "after a lifetime in engineering and information technology," he achieved "a dream" in playing the role of a rich imam in the short film, *Parastish Rooth Se* (*Spiritual Worship*). The film, in Urdu, has English subtitles and won a Gold award in the Best Drama category in the winter 2018 European Independent Film Awards.

1976 Dick McGavern (MBA) has been named Mr. Canandaigua for 2019 by the Canandaigua (New

York) Chamber of Commerce. Dick is a former mayor of the Finger Lakes town as well as a councilman and a longtime Rotarian. His work has contributed to the wellbeing of the Granger Homestead and Carriage Museum, the historic Wood Library, and a host of community organizations.

1987 Shari Littman Kramer (MBA) is coauthor of *The Essential College Admissions Handbook: Your Stress-Free Path to College Acceptances* (Self-published). A graduate of Tufts University and a former Tufts admissions counselor, Shari is the owner of Kramer College Consulting in Hillsdale, New Jersey.

1998 Ray Kraus (MBA) writes: "I'm an ex-president of the Simon School's Graduate Business Council and recently ended a 20-year career in marketing technology. My last position was as a managing director

of a research and innovation team where I worked closely with engineers and data scientists in Silicon Valley. I decided to take some time off and consider a new direction. My form of contemplation is to travel to all 30 MLB stadiums and blog about the experience. As I do so, I am raising money to support underserved youth who want to play baseball and softball." Ray's blog is at 4bases4kids.com.

2000 Amanda Adams (MBA) has published *Don't Hold Your Breath!* (From the Heart Publishing), a poetry anthology about the four stages of relationships, including longing, love, loss, and liberty.

2008 Wayne Kiedaisch Greenfield (MBA) (see '95 College).

2009 Adam Echter (MBA) has been elected partner at the global strategy and marketing consultancy Simon-Kucher & Partners. He's based at the firm's Mountain View, California, office.

2013 Evan Aloe (MBA) writes that he sold his first startup, DealCloud, last fall. He's now chief risk officer at another startup, Rabbu, which supplies home automation software to the vacation rental and short-term rental space markets.

2016 Puneet Kaur (MBA) writes that he "found a love for photography," and "had a wonderful year with a trip to multiple places in Europe." He sends a photo from Nice, France. . . . **Anthony Rodriguez** (MBA) has been named director of HR analytics for NYU Langone Health.

Warner School of Education

2006 Ben Cross (MS) (see '04 College).

2018 Rashad Moore (MS) (see '17 College).

In Memoriam

ALUMNI

Janet Goeltz Platzer '37, February 2019

Charles P. Deneef '40, January 2018

Howard S. Thomas '42, February 2019

- Richard N. Close** '43,
February 2019
- Margaret Reamer Green** '43N, '75,
January 2019
- Nancy Smith Brewster** '44,
February 2019
- Martha McCrory** '44E (MM),
February 2019
- Paul R. Schloerb** '44M (MD),
December 2018
- Stephen P. Walker** '44,
December 2018
- Dorothy Lodico Salamone** '45, '49M
(MD), July 2017
- Robert L. Segal** '45, '49M (Res),
August 2018
- Evelyn Cumming Garvey** '46E (MA),
March 2019
- Jean Hofferbert Marshall** '46,
September 2018
- Denise Miller Apel** '47E,
February 2019
- George T. Fitzelle** '47,
March 2019
- Andrew J. McMullan Jr.** '47E (MM),
February 2019
- Mary Jane Wurmer Shannon** '47,
March 2019
- Raymond A. DelRosso** '48,
August 2017
- Robert L. Jamison** '48, '50M (MD),
March 2019
- Roy Ketchum** '48, '72W (EdD),
March 2019
- Phyllis Mann Shulman** '48E,
March 2019
- E. Richard Smith** '48 (MS),
February 2019
- Harwood Spaulding** '48,
December 2018
- Louise Tyre Voscinar** '48E,
March 2019
- Dorothy Aeschliman** '49N,
January 2019
- Allene King Covey** '49N,
March 2019
- Edward P. Diemente** '49E (MM),
December 2018
- Robert L. Moore** '49E (MM),
March 2019
- Robert W. Peelle** '49,
November 2018
- Sally Falkner Shapton** '49E (MM),
February 2019
- Donald R. Spink** '49 (MS),
February 2019
- Edward A. Barrow** '50E, '53E (MM),
January 2019
- Helen Baker Crouch** '50,
February 2019
- George S. Privitera** '50,
January 2019
- Barbara Henne Richart** '50,
March 2019
- Sara Williams Warner** '50,
January 2019
- Elaine Bonazzi Carrington** '51E,
January 2019
- Ellery B. Golos** '51,
January 2019
- Alfred D. Keim** '51,
January 2019
- Marion J. Maracle** '51, '63W (MA),
February 2019
- Raymond F. Newell** '51,
March 2019
- James A. Robinson** '51M (MD), '66M
(Res), March 2019
- Theodore Anders** '52, '56M (MD),
May 2018
- Constance Wendt Durfee** '52,
February 2019
- Robert N. McFadden** '52,
March 2019
- Bruce W. Reamer** '52,
January 2019
- Mary Anderson Talbot** '52N,
January 2019
- Edward R. Wagner** '52, '55 (MA),
January 2019
- Ruth Smith Barton** '53 (MA),
January 2019
- John R. Erskine** '53,
March 2019
- Jack W. Lane** '53,
February 2019
- Joseph C. Scianni** '53E (MM), '59E
(DMA), October 2018
- June Obert Seager** '53,
January 2019
- Agnes Van Branteghem Ackley** '54,
February 2019
- Eleanor Witulski Becker** '54,
March 2019
- Pandeli Durbetaki** '54 (MS),
March 2019
- James A. Gregg** '54M (MD),
June 2018
- Marguerite Fattey McCarty** '54E,
'55E (MM), January 2019
- John C. Thonard** '54D (Pdc), '60M
(PhD), October 2017
- Peter Avakian** '55,
March 2019
- Margaret Nagle Johnson** '55E, '72E
(MM), January 2019
- Edward D. Russell** '55,
January 2019
- Norman Weinstein** '55M (Res),
January 2018
- Harold J. Abramson** '56,
January 2019
- John C. Citrolo** '56,
March 2019
- Harvey R. Granite** '56 (MA),
January 2019
- John P. Lembo** '56W (Mas),
March 2019
- Joyce Spencer Nichols** '56,
February 2019
- Glenn B. Piper** '56D (Res),
March 2019
- Frederick B. Schudel** '56,
January 2019
- Frederick W. Spong** '56,
January 2019
- Norris T. Turnbull** '56,
January 2019
- Philip A. O'Brien** '57,
January 2019
- Dominick J. Argento** '58E (PhD),
February 2019
- William R. Bronson** '58M (MD),
January 2019
- Richard D. Comstock** '58,
March 2019
- Mary Duncan Granger** '58, '59W
(Mas), January 2019
- Robert J. O'Brien** '58,
July 2018
- Carol Moyer Winkelman** '58E, '59E
(MM), March 2019
- Ruth Castleman Griffin** '59,
March 2019
- David E. Hull** '59,
January 2019
- Kendrick A. Sears** '59M (MD),
March 2019
- George A. Sullivan** '59 (MA),
January 2019
- Irvin Emanuel** '60M (MD),
February 2019
- Lura Emery** '60,
February 2019
- Claire Lallier Safford** '60M (MS),
January 2019
- David L. Stone** '60,
January 2019
- Nancy Wallo** '60N,
January 2019
- Trudy Burns Borden** '61E, '64E
(MM), October 2018
- Stephen F. De Nagel** '61, '63 (MS),
March 2019
- Suzanne Mersereau Searles** '61
(MA), February 2019
- Garrett A. Smith** '61,
February 2019
- Susan Adams Brown** '62N,
February 2019
- Ralph A. Hamaker** '62,
March 2019
- June Ivanick** '62,
March 2019
- Lawrence T. Odland** '62M (PhD),
February 2019
- Priscilla Perry** '62E, '66E (MM),
February 2019
- George P. Pilkey** '62, '63W (MA),
February 2019
- John A. Summers** '62,
February 2019
- Hollie Deifer** '63E,
March 2019
- Joe V. Michael** '63 (PhD),
March 2019
- Keith A. Rued** '63,
March 2019
- Carol Urban** '63,
February 2019
- Ernest A. Wood** '63,
January 2019
- Robert H. Ackerman** '64M (MD),
December 2018
- Robert B. Anderson** '64,
June 2017
- Joseph P. DeOrdio** '64, '68W (Mas),
January 2019
- John I. Fitzmorris** '64, '71 (MS),
March 2019
- Joyce Jordan Schaefer** '64, '64N,
January 2019
- Ingvars J. Vittands** '64M (MD),
November 2017
- David J. Barry** '65M (Res),
January 2019
- Leslie Burrows** '65M (PhD),
December 2018
- Richard E. Forkey** '65,
February 2019
- Raymond J. Lipicky** '65M (Res),
'73M (Flw), February 2018
- John B. Munson** '65 (PhD),
February 2019
- Lawrence H. Repsher** '65M (MD),
December 2018
- Frank Deane** '66W (MA),
January 2019
- Martin Dvorin** '66 (MS),
March 2019
- Deji Femi-Pearse** '66M (Flw),
December 2018
- Susan Pfleeger Andre** '67,
February 2019
- John W. Dyminski** '67,
January 2019
- Charles S. McClain** '67E (DMA),
January 2019
- Elizabeth Newnam** '67E (MM),
March 2019
- Robert Hunter** '68 (MA),
February 2019
- Sandra Morral Pinkham** '68M (MD),
March 2019
- Robert N. Poss** '68,
December 2018
- Priscilla Byrd Stanley** '68,
March 2019
- Theodore Z. Theodor** '68,
February 2019
- Richard L. Tillotson** '68W (Mas),
January 2019
- Carl E. Fougousse** '69M (MD),
February 2018
- D. Henry Giberson** '69S (MBA),
January 2019
- Costas Hercules** '69M (MD), '70M
(Res), January 2019
- Paul S. Puccio** '69,
February 2019
- Kenneth R. Tintinger** '69W (Mas),
March 2019
- Myra Eales Fougousse** '70 (PhD),
'96M (Pdc), January 2019
- Christopher J. Vadala** '70E,
January 2019
- David P. Willoughby** '70E (PhD),
March 2019
- Donald J. Galvin** '71,
March 2019
- Leonard W. Snearowski** '71, '75
(MA), March 2019

TRIBUTE

Dominick Argento '58E (PhD): 'Addio' to a Resonant Voice in Music

I first heard Dominick Argento's music from the backstage of Eastman Theatre as a master's degree student at the Eastman School. It was the "Apollo" fanfares from Dominick's *In Praise of Music*, in a rehearsal conducted by David Zinman. Violins ascending solo, without harmonic support, into thin air at the end—the extraordinary and brave last movement of that work



CLEAR COMPOSITIONS: As a teacher, Argento, who won the 1975 Pulitzer Prize for his opera *From the Diary of Virginia Woolf*, "stressed that opera was about relationships, not politics, current events, or some abstraction," says a former composition student.

marked what would be a new age of song for me as a composer.

About 10 years later, I became Dominick's composition student, and one of his last TAs in his 40-year teaching career at the University of Minnesota. When he died in February, we lost a master composer whose stature in late 20th-century opera and choral music has been recognized with a Pulitzer Prize, a Grammy Award, and other accolades, but also—and more importantly—through the admiration of his peers, his students, and audiences throughout the world.

In studying music, you learn from the hand or the pen of another. Of course, it's a little more concrete when you're dealing with piano keys, cane, or breath control. But in every case, it's a relationship founded in trust. Looking at a score, especially one fresh with erasures and coffee stains, you see the choices that person has just made, all spilled out onto a page, just because it's 11 o'clock on Wednesday morning and it's lesson time. Dominick was encouraging, but he was honest and direct; I appreciated both, even

when his candor sent me back to the piano to hunt a different quarry.

Dominick's example was as important to me as his words. It was wonderful to be able to talk about the old-fangled composers I loved, like Strauss, Mahler, and Elgar. But it was instructive to have glimpses into the molding of an opera like *The Dream of Valentino* or a cycle like *A Few Words about Chekhov*. I remember:

Beginnings and endings matter.

A good piece begins with a good idea. Find that kernel and allow it to flower in its own language.

Words have shaping power, and are worthy of respect and love.

Sometimes the greatest gift you can give the voice is a sustained tone that allows it simply to sound beautiful.

One of Dominick's favorite Italian tempo indications is *Brusco*. He could be brusque, and he was famously funny, usually with a touch of balsamic. But he soberly stressed that opera had to be about relationships, not politics, current

events, or some abstraction. Nowhere is this more personally expressed than in *Evensong*, Dominick's last major work, dedicated to the memory of his dear wife, Carolyn. Among the final words—*his* words:

Love is not consolation. It is light. It is a light acquired by patience and pain, Doubt and understanding, sorrow and forgiveness.

Dominick's work glows with warm strings, ringing percussion, and resonant brass. And it illuminates through human voices singing passionately about things that matter. **R**

—DAVID EVAN THOMAS '83E (MM)

A Minneapolis-based composer, Thomas was a student of Samuel Adler and Robert Morris while at Eastman. His father, John Thomas, was a member of Eastman's flute faculty and played in the 1957 premiere of Argento's Ode to West Wind, with soprano Carolyn Bailey Argento and under the direction of Howard Hanson, Eastman's director from 1924 to 1964.

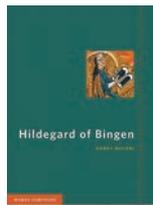
- Deborah Rolfe Dabczynski** '72E, March 2019
- Lawrence A. Jacobs** '72M (Res), February 2019
- Chester L. Latin** '72, February 2019
- Calvin O. Stoutz** '72S (MBA), February 2019
- Mary Eileen Cassidy** '73W (MA), February 2019
- Helene Soliani Krochalis** '73, March 2019
- Vernon C. Maino** '73M (PhD), September 2018
- Karen Wynn** '73, February 2019
- Ihsan N. Ardhuerumly** '74 (MS), January 2019
- Dominick J. Maiorano** '74, March 2019
- Tapan Mitra** '75 (PhD), February 2019
- Edith Greenberg Nacman** '75, September 2018
- John C. Cinelli** '76, '79, March 2019
- G. Wayne Nichols** '76, March 2019
- Robert Troiano** '76E (MM), January 2019
- Robert E. Benner** '78 (PhD), February 2019
- Janet Gelein** '78N (Flw), January 2019
- William A. Crowle** '79E, March 2019
- Frank L. Goyette Jr.** '79, February 2019
- Robert D. Lorenz** '80S (MBA), January 2019
- Rodney I. Lowe** '80S (MBA), March 2019
- Edith Cook** '81 (PhD), February 2019
- Rosemary Fontaine** '83, March 2019
- Walter F. Buell** '87, October 2018
- Fred E. Reed** '87S (MBA), February 2019
- Lance I. Hellman** '89M (MD), December 2018
- Mark E. Ball** '90E (MM), February 2019
- F. Matthew Jackson** '91, March 2019
- Timothy G. Mulligan** '93S (MBA), March 2019
- Robert E. Thompson** '95W (MS), February 2019
- Danielle Edgar Korpziel** '96N, January 2019
- Twan Bell** '97S (MBA), February 2019
- Kimberly Young O'Mara** '04M (Pdc), February 2019
- Troy Harrison** '13M (Res), March 2019

Books & Recordings

Books

Hildegard of Bingen

By Honey Meconi
University of Illinois Press, 2018



Meconi, chair and professor of music in the College music department and professor of musicology at

Eastman, explores the life and work of the noted medieval composer and theologian. The book is part of the publisher's Women Composers series.

The World Health Organization: A History

By Marcos Cueto, Theodore Brown, and Elizabeth Fee
Cambridge University Press, 2019

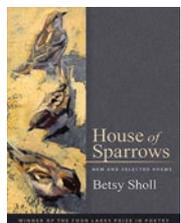


Three historians of medicine—including Brown, a professor emeritus of history and of medical hu-

manities at Rochester—provide an overview of the 70-year history of the global health organization, highlighting its major achievements and internal tensions.

House of Sparrows: New and Selected Poems

By Betsy Sholl '69 (MA)
University of Wisconsin Press, 2019



Sholl “explores the shifting ironies and contradictions in the stories we tell” in her ninth collection of poetry, part of the Wisconsin Poetry Series. Sholl is the former poet laureate of Maine and teaches at the Vermont College of Fine Arts.

Cultivating Peace: The Virgilian Georgic in English, 1650–1750

By Melissa Schoenberger '09
Bucknell University Press, 2019

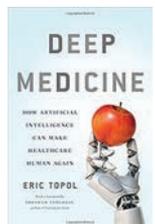


Schoenberger, an assistant professor of English at the College of the Holy Cross,

shows the ways in which British poets in the decades following the English civil war turned to Virgil's *Georgics* to make sense of lingering political instability.

Deep Medicine: How Artificial Intelligence Can Make Healthcare Human Again

By Eric Topol '79M (MD)
Basic Books, 2019

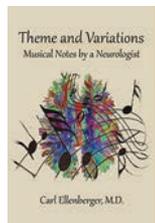


Topol, the Gary & Mary West Endowed Chair of Innovative Medicine at Scripps Research, argues

for the promise of artificial intelligence to free physicians of routine tasks, allowing for improved doctor-patient relationships.

Theme and Variations: Musical Notes by a Neurologist

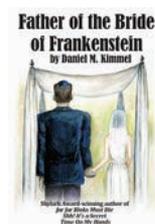
By Carl Ellenberger '61
Sunacumen Press, 2018



Flutist and neurologist Ellenberger offers a glimpse into the working of music in the human brain that's part guide, part memoir. Ellenberger is the founder of Gretna Music, a summer music festival held in central Pennsylvania for more than 40 years.

Father of the Bride of Frankenstein

By Daniel Kimmel '77
Fantastic Books, 2019



Science fiction novelist and film critic Kimmel turns to humor, with an updated, reimagined

Frankenstein story told from the viewpoint of the father of Frankenstein's bride.

Great Moments in the History of Life

By George Shaw '67
Springer, 2018



Shaw, a professor emeritus of geology at Union College, offers nonspecialists a primer on the history of Earth, leading up to humans and through many aspects of prehistoric times.

Mind Over Blubber: How to Use Your Mind to Lose Your Behind

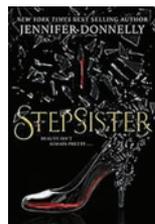
By Sidney Friedman '80E
Sidney Friedman, 2018



Mentalist Friedman suggests how mind power can aid in weight control.

Stepsister

By Jennifer Donnelly '85
Scholastic Press, 2019

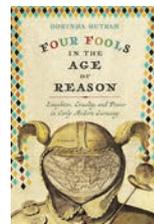


Donnelly's latest young adult novel evokes the story of Cinderella, told from the point of view of stepsister Isabella—“a plain girl in a world that values

beauty; a bold girl in a world that wants her to be pliant.”

Four Fools in the Age of Reason: Laughter, Cruelty, and Power in Early Modern Germany

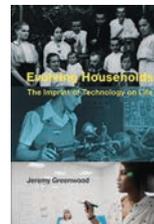
By Dorinda Outram
University of Virginia Press, 2019



Outram, a professor emeritus of history at Rochester, explores the lives and political roles of court fools in Enlightenment Europe, with a focus on the German states.

Evolving Households: The Imprint of Technology on Life

By Jeremy Greenwood '83 (PhD)
MIT Press, 2018



Greenwood explores the transformative effect of technology on households and culture, as seen from a macroeconomic perspective. A professor of economics at Rochester from 1992 to 2006, Greenwood now teaches at the University of Pennsylvania.

The Introvert's Complete Career Guide: From Landing a Job, to Surviving, Thriving, and Moving on Up

By Jane Finkle '86W (Mas)
Career Press, 2019



Finkle offers tips for introverts on capitalizing on their unique strengths and acquiring just “a sprinkling of extroverted skills” to reach their career goals.

Joshua Jace: Minimum Wage Henchman Volume I

By Nicholas Brandt '98
Reasonably Epic Productions, 2019



Brandt's comic book introduces Joshua Jace, a recent college graduate recruited as an assistant at the "Villain Corporation."

So You Want to Sing Chamber Music: A Guide for Performers

By Susan Hochmiller '08E (DMA)
Rowman & Littlefield, 2019

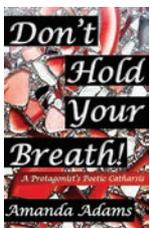


Hochmiller, an assistant professor of voice at Gettysburg College's Sunderman Conservatory,

provides a guide to studying and performing vocal chamber music, with special emphasis on its pedagogical and collaborative value.

Don't Hold Your Breath!

By Amanda Adams '00S (MBA)
From the Heart Publishing, 2018



Adams's poetry anthology explores "the four stages of relationships: Longing, Love, Loss, and Liberty."

My!Key Moments

By Thomas Tiffany '62
KDP, 2019



Tiffany's children's book tells the story of a boy who meets a critter who discusses with him "the many 'whys'" in his life, related to interpersonal relations, health, family, and society.

Birding New England

By Randi Minetor '88 (MA) and Nic Minetor
Falcon Guides, 2019

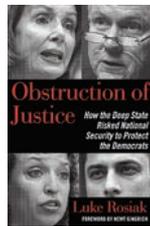


With text by Randi and photographs of more than 600 birds by her husband, Nic, the Mine-

tors offer a guide to birding hotspots throughout New England. Randi Minetor has also published *Hiking Waterfalls in New York* (Second Edition), also by Falcon Guides; and *Death in Acadia National Park* (Down East Books), with real-life stories of fallen adventurers.

Obstruction of Justice: How the Deep State Risked National Security to Protect the Democrats

By Luke Rosiak '09
Regnery, 2019



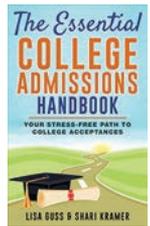
Rosiak, a reporter for the *Daily Caller*, argues that a computer administrator's access of congressional

data during the 2016 election resulted in a coverup by Congress and the Department of Justice to protect Democrats. The book includes a foreword by former House Speaker Newt Gingrich.

The Essential College Admissions Handbook: Your Stress-Free Path to College Acceptances

By Lisa Guss and Shari Kramer '87S (MBA)

Guss and Kramer, 2018



College consultants Guss and Kramer offer a step-by-step guide for college applicants.

Kramer is a former admissions counselor at Tufts University

and the owner of Kramer College Consulting in Hillsdale, New Jersey.

Musicianship: Improving in Band and Orchestra

Coedited by David Stringham '03E, '11E (PhD)
GIA Publications, 2018

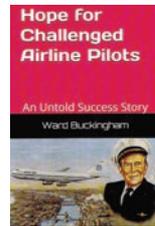


Stringham coedits a collection of lesson plans to help band and orchestra conductors make impro-

visitation a mainstay of their classrooms. Stringham is an associate professor of music and director of the Center for Inclusive Music Engagement at James Madison University.

Hope for Challenged Airline Pilots: An Untold Success Story

By Ward Buckingham '71M (Res)
Ward Buckingham, 2019



Buckingham tells the story of his father, an airman who suffered from alcoholism and became a leader in helping airlines to acknowledge a hidden problem and develop effective assessment and treatment programs.

Recordings

Music in the American Wild

By the American Wild Ensemble
ArtistShare, 2018



The album includes 11 new commissions by Eastman composers

celebrating America's national parks, written for the 2016 centennial of the National Park Service and funded in part by a grant from the National Endowment for the

Arts. The American Wild Ensemble is codirected by Emlyn Johnson '08E, '15E (DMA) and Daniel Ketter '10E, '10RC, '17E (DMA).

Sasami

By Sasami Ashworth '12E
Domino Records, 2019



Los Angeles-based singer and songwriter Ashworth, known as Sasami, offers her debut solo album.

YAZZ Band

By Greg Yasinitzky '95E (DMA)
YAZZ Recordings, 2018

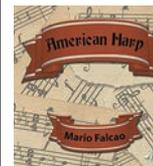


Composer, arranger, and saxophonist Yasinitzky performs original,

contemporary big-band numbers with musicians based largely in the Pacific Northwest.

American Harp

By Mario Falcao '71E (MM)
Mark Records, 2018



Falcao, a professor emeritus of harp at State University of New York at

Fredonia and a founding member of the World Harp Congress, performs late 20th- and 21st-century compositions by American composers.

Books & Recordings is a compilation of recent work by University alumni, faculty, and staff. For inclusion in an upcoming issue, send the work's title, publisher, author or performer, a brief description, and a high-resolution cover image, to Books & Recordings, Rochester Review, 22 Wallis Hall, Box 270044, University of Rochester, Rochester, NY 14627-0044; or by e-mail to rochrev@rochester.edu.

Thriving at Work While Introverted

“Embrace who you are,” but learn to “sprinkle in” a few of the skills of extroverts, career consultant Jane Finkle ’86W (Mas) tells self-described introverts.

Interview by Karen McCally ’02 (PhD)

As a master’s student, I had an opportunity to work at Rochester’s career center. That was really pivotal. I ended up doing a career discovery group, and it just generated such excitement and energy. After I finished my program at the Warner School, I got a job at RIT, worked there for about nine months, and then was recruited to work at the University of Pennsylvania. I oversaw the Wharton Career undergraduate program, but I came from a family of entrepreneurs, so it was always in the back of my mind to do private practice. I’ve been in private practice for 12 years.

American culture leans toward extroversion. And I think that often leaves introverts feeling left out, invisible, or that they may be overlooked for opportunities or promotions. There are many successful introverts, but there are a lot of clients I’ve worked with who are introverted and feel they’re at a disadvantage. And it’s unfortunate, because they bring a lot to the world and the workplace.

When I first meet with an introvert, instead of saying, “OK, let’s start working on networking,” or some other skill, I always ask them if they’ve ever thought about what’s good about introversion. We have a conversation about the qualities of introversion that are important to the workplace. And that shifts their sense of who they are in a more positive direction. It doesn’t mean introverts don’t have to take some new risks. But the message is, “embrace who you are.”

Jane Finkle ’86W (Mas)

Home: Philadelphia
Career consultant; author of *The Introvert’s Complete Career Guide: From Landing a Job, to Surviving, Thriving, and Moving on Up* (Career Press); creator of the University of Pennsylvania’s Wharton Career Discovery seminar

On career counseling: “A lot of people come to a career counselor aspiring to some important dream or goal. I think about career counseling as the opportunity to help someone write a new chapter. And hopefully it will be a good ending.”

Advice to new graduates: “Don’t be afraid of asking for help—and continue to use the lifelong career advising and resources offered through the University’s [Gwen Greene Center for Career Services, Education, and Connections].”



I think an important strength of introverts is that they tend to have an ability to concentrate and dig deep. That often results in creative thinking. If you take time to really think things through, you may come up with a great solution to a problem that adds value in the workplace.

I think that introverts have to be able to integrate, or “sprinkle in,” as I often say, some extroverted skills. They don’t have to change who they are, but they do have to learn to speak up, promote themselves, and take initiative. Introverts are sometimes more comfortable behind the scenes. So it’s very important when they’re in a work environment that they keep coworkers and the boss up to date with any tasks, problems, or accomplishments.

Introverts who are just starting their careers, such as new college graduates, often feel they won’t know what to say. How do I introduce myself to a network contact? How should I prepare for an interview? I think one strategy that works really well for introverts is advanced planning. A lot of introverts don’t enjoy networking, but if they first write a script to introduce themselves, they can use their introvert energy to plan in advance what to say. And often they do just fine with reflection, planning, and practice.

As they go through their careers, introverts should make sure they’re connecting with people. Sometimes they’re just not aware that they need to spend quality time initiating and building relationships. Maybe things aren’t so great at their job. There are ways to develop themselves outside of that organization, through professional associations, where they might serve on a committee, or a nonprofit, where they could serve on the board. These contacts can prove highly beneficial when looking for new opportunities.

I think social media is a gift to introverts. They can post articles. They can easily introduce themselves to potential contacts. If they’ve won an award or achieved something special, they can post about it. And they can connect with leaders in their field, all in the comfort of solitude.

Extroverts have special challenges, too. They tend to think and talk at the same time. Extroverts speak more easily and extemporaneously. But just because you talk a lot doesn’t mean you have the best ideas. I think their challenge is to stop and listen, and to listen a little more mindfully. 



A LEGACY OF CARING

Wilson Society member Tom Foster '88 (MA), '90 (PhD) is pictured with Sandra Sabatka, a senior social worker at the Wilmot Cancer Institute who coordinates resources for patients receiving cancer treatments.

TOM FOSTER WAS ALWAYS AT HIS WIFE'S SIDE. This was especially so during the three years that Julietta was treated for brain cancer at the Wilmot Cancer Institute. Tom became deeply affected by those he knew were struggling with the practicalities surrounding their care. He met patients who had to decide whether to take their medicine or buy groceries for their kids; whether to pay the electric bill or go for radiation. Tom wanted to help, but didn't know how. After Julietta passed away in 2013, Tom met with the social work team

"I know Julietta would be very happy with what I've done to honor her memory while helping Wilmot's patients."

at Wilmot and the planned giving experts at the University of Rochester to learn how he could make a difference for patients in need. He then added the University to his will and set up a charitable remainder trust—an estate gift that would allow

him to honor his wife's memory, provide for their two daughters in the future, and become a perpetual source of support for Wilmot's patient-needs fund. Through Tom's generosity, and in Julietta's memory, the Foster

Endowment for Cancer Patient and Caregiver Needs will lift barriers to patient care forever.



IMAGINE YOUR LEGACY. PLAN TODAY TO MAKE IT HAPPEN.

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DANDELION DAY
Spring Serenade

LATE SHOW: Vikram (Vik) Gupta '21, an audio and music engineering major from Briarcliff Manor, New York, leads the band At the Latest during a performance at Dandelion Day this spring. The annual celebration is part of Springfest Weekend, one of four signature College community weekends that take place during the academic year. PHOTOGRAPH BY J. ADAM FENSTER