

Rochester

UNIVERSITY OF ROCHESTER/SUMMER 2019

Review

HEADED TO HOUSTON?
Alumni and friends would like to show you the town.

A PRESIDENT ARRIVES
Sarah C. Mangelsdorf introduces herself.

EVOLVING IDEAS
How research in biology is influencing the study of evolution.



Engraved by Emily Sartain, Phila.

A Union 'Better Than It Was'

Why is Albion Tourgée, Class of 1862, once nationally known for his work on racial equality, back in the limelight?



University of Rochester neuroscience researchers are collaborating in the largest long-term study of child brain development in the United States. Tracking 10,000 growing brains through adolescence into young adulthood, the study looks at how different childhood experiences—music, sports, social media, and video games—affect brain, social, emotional, and cognitive development. Rochester research of this magnitude will impact and enrich educational practices, help doctors predict and prevent developmental problems, and guide parents in raising young adults.

**The
Rochester
Effect.**

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EverBetter.Rochester.edu



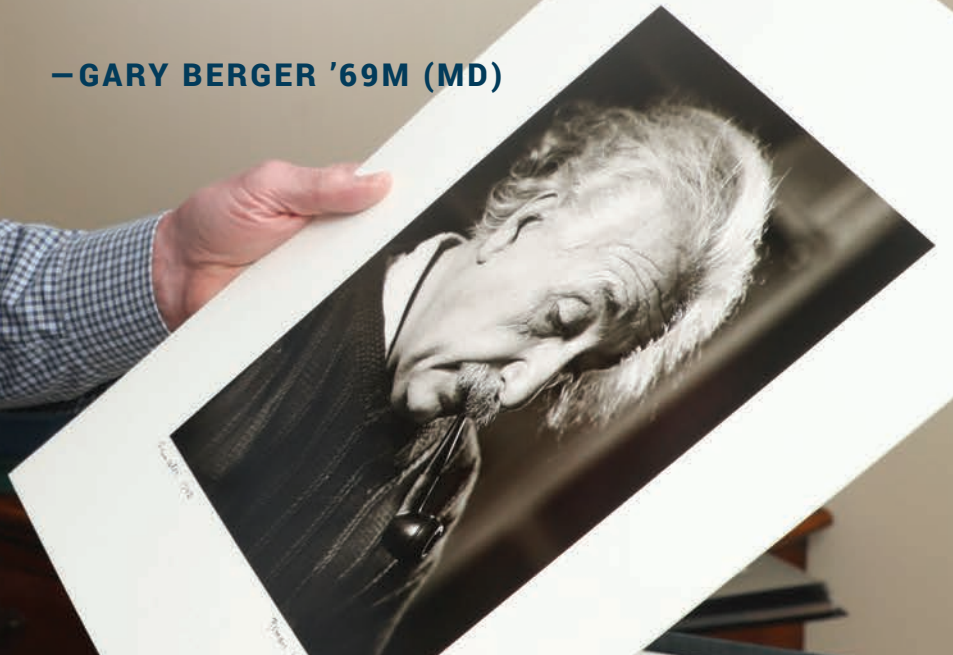
A genius gift.

“I am a collector of Albert Einstein’s writings. A few years ago, I acquired a manuscript of more than 100 pages of his private working papers that had never been seen by the public before. After considerable thought, I decided to sell these pages and several letters of historical importance. I take comfort knowing that the materials are now in an important archive and available to Einstein scholars.

In part, because of the source of these funds, my wife and I gifted the proceeds to the University of Rochester to fund a flexible deferred charitable gift annuity designated for an endowed professorship in medical education.

This legacy gift is an expression of my gratitude for the life-changing education I benefited from as a medical student at Rochester.”

— GARY BERGER '69M (MD)



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Charitable Gift Annuity	Age	60	65	70	75	80
Rates (as of July 1, 2018)	Rate	4.7%	5.1%	5.6%	6.2%	7.3%

Features

SUMMER 2019



20

Evolution's New Era

What happens to DNA when it's in the grip of parasites, "selfish genetic elements" that are harmful to the individual and even the species? Biologists Jack Werren (above), Daven Presgraves, John Jaenike, Amanda Larracuente, and Tom Eickbush have made Rochester one of the world's leading centers for understanding ways in which some genetic elements defy expectations, in an evolutionary arms race that's not between organisms but within them. *By Lindsey Valich*

ON THE COVER: Albion Tourgée, Class of 1862. Courtesy of the North Carolina Department of Natural and Cultural Resources



26 Show Us Your Town: Houston

Our tour of Rochester's Regional Networks turns to Houston, home to nearly 1,200 alumni who say the East Texas city is welcoming, diverse, and infused with a "dream it, do it" mind-set. *By Kristine Thompson*

30 For a Union 'Better Than It Was'

The legacy of Albion Tourgée, the lead attorney for Homer Plessy in *Plessy v. Ferguson*, had been relegated to footnotes for much of the 20th century. But the Rochester alumnus's ideas about bringing racial equality to the post-Civil War South are getting a new hearing. *By Karen McCally '02 (PhD)*

Departments

Summer 2019

5 *President's Page* | 6 *Letters* | 62 *Books & Recordings*

In Review

- 8 'I Want to Get to Know the University Community'** President Sarah C. Mangelsdorf introduces herself to the University community.
- 10 Board Elects Two Alumni as New Trustees** Longtime board members are also named life trustees in recognition of their service.
- 11 Ask the Archivist:** What's the weight—ceremonial and physical—of the mace?
- 12 The Eastman School That's for Everyone** For nearly a century, the Eastman Community Music School has welcomed all comers.
- 13 Bird by Bird** A biologist tracks the evolution of an endangered species of birds.
- 14 Discover** Why can you see your friend waving in a sea of people at the airport? How do nations escape a colonial past?
- 16 University Notebook** Admissions goes test optional, Paul Burgett '68E, '76E (PhD) is remembered, and other news from around the University.
- 18 First Vice President for Equity and Inclusion Appointed** Mercedes Ramírez Fernández will implement and lead an institution-wide diversity strategic plan.
- 19 What's Ahead for the Yellowjackets?** Rochester's athletic teams



18

carry momentum into 2019–20.

Alumni Gazette

- 36 Connecting the University Community** Rochester's new head of Alumni Relations and Constituent Engagement wants to strengthen connections, opportunities, and networks.
- 38 Toting a Tony** A drama teacher receives a top accolade for her unconventional and inclusive approach.
- 39 What Are You Researching?** Research on disease pathogens earn two alumni membership in the National Academy of Sciences.
- 40 A Lifetime as a Leader** A trailblazing pediatrician, a Medical Center physician



36

says she "hit the jackpot" in life.

- 41 In the News** Winning the "Olympics" of the carillon, and other news.

their achievements and service.

- 53 Happy Birthday, George Eastman!**
- 56 Graduate Arts, Sciences & Engineering**
- 57 Eastman School of Music**
- 58 School of Medicine and Dentistry**
- 58 School of Nursing**
- 58 Simon Business School**
- 59 Warner School of Education**
- 59 In Memoriam**
- 61 Remember Pioneering Art Critic Douglas Crimp**
- 64 Tuning in to Sonic Culture** Take out your earbuds and just listen, says musicologist Gabrielle Cornish '13, '16E (MA).

Class Notes

- 42 College Arts, Sciences & Engineering**
- 44 Class of 1969** What are some of your favorite memories of the University?
- 48 Dinner with the Coach**
- 50 Alumni Awards** Schools recognize graduates for



64

A Time of Optimism and Opportunity

I look forward to hearing your ideas about how our great University can be ever better.

By Sarah C. Mangelsdorf

In late August, the Class of 2023 will arrive on campus. They will come from 44 states and 77 countries, and they will bring new energy and intellectual curiosity to our campus, and fresh perspectives that will help us better understand and define who we are as a community. I am thrilled to join them as a “classmate,” as I too begin my first year as a member of the University community.

I have had many experiences with first days of school—as a student myself, as a parent, a professor, and as an administrator; on big campuses and small—and for me, nothing matches the excitement of the start of a new academic year, especially at a great research university like Rochester. These beginnings are a time of enormous optimism and opportunity.

In the coming weeks, I will celebrate many “firsts.” I will help students as they move in to their residence halls for the first time. I will attend my first Rochester convocation and participate in my first Wilson and Eastman community service days. I am looking forward to joining the audience at Kodak Hall at Eastman Theatre for my first Gateways Music Festival.

I am also looking forward to meeting alumni, parents, families, and community members during my first Meliora Weekend in October. In addition to connecting



history of the United States. I have long been aware of the institution’s stature, the strength of its faculty, and the impact of its research and scholarship. I have long admired the City of Rochester’s role as a linchpin in the historic struggles for equality and as the home of companies that in many ways laid the groundwork for some of today’s most influential industries.

And I am energized by recent reports that Rochester is well-situated to become a hub of today’s agile and entrepreneurial

Campus with Jessica Robbins ’20, a member of the Meridian Society, a group of undergraduates who lead campus tours for our Undergraduate Admissions Office. She introduced me to some of the iconic spaces—tunnels!—and newest additions—iZone!—to the River Campus.

I hope to repeat this experience at other campus locations. I know I have a lot to learn in the coming months, and I am looking forward to every minute of it.

Since I was introduced as Rochester’s 11th president late last year, I have received an outpouring of well wishes from alumni, faculty, students, staff, and members of the Rochester community. It is clear that the University holds a special place in the lives of many of those who have been part of its long and distinguished legacy. My family and I were gratified to receive such a warm and supportive welcome, and I thank you for your support and encouragement.

I am honored to have been given the opportunity to lead the University of Rochester, but I am mindful that we are all stewards of this remarkable institution. I am grateful for the strong foundation laid by my predecessors, and I look forward to working with all of you to sustain and expand Rochester’s mission to make our communities and our world “ever better”—now and in the future.

My immediate goal is to listen and learn from all of you—on campus and around the

The University of Rochester is one of the world’s consequential universities, in one of the most consequential cities in the history of the United States. I have long been aware of the institution’s stature, the strength of its faculty, and the impact of its research and scholarship.

with members of the extended University community, I am looking forward to welcoming former colleagues and representatives of our peer academic institutions who will take part in my inauguration ceremony and celebration during Mel Weekend, and showing off my new academic home to them.

The University of Rochester is one of the world’s consequential universities, in one of the most consequential cities in the

tech economy. Rochester—the University and the City—is truly a remarkable place, with much to contribute to our region, our nation, and our planet. I use the singular word “place,” because I believe that our respective futures are, in many ways, indistinguishable.

On my first official day on the job, I went for a run in Mount Hope Cemetery, where I said “hello” to Susan B. Anthony and Frederick Douglass. Later, I toured the River

country. You recognize our strengths, and you see where we can do better. You know our past and our potential.

I want to hear your ideas: together, we can set a course that is grounded in our storied history and directed toward our bright prospects. 🌟

Contact President Mangelsdorf at sarah.mangelsdorf@rochester.edu. Follow her on Instagram: [@urochestermangelsdorf](https://www.instagram.com/urochestermangelsdorf).



VOCAL POINT: Alumnae teamed up to ID members of the 1988 ensemble.

Vocal Proponents

Several Vocal Point alumnae wrote to ID members of the 1988 roster of the all-women a cappella group that appeared at the start of Class Notes in the spring issue. The photo marked the ensemble's 50th anniversary this year.

One of the correspondents was Stephanie Smart '88, who is second from left in the back row of the photo. She teamed up with fellow Vocal Point alumna Stephanie Clader-Rindell '91, who's in the front row, second from right. Also writing was Donna Herforth Walters '87, '91M (MD) who, although she isn't in the photo, was a member of the group with many of the women pictured. "Proud to be part of Vocal Point," she writes. "Happy 50th anniversary!"

In the front row: ① Vivica Genaux, ② Jennifer Lee '90, ③ Lisa Alexander, ④ Stephanie Clader-Rindell '91, and ⑤ Melissa Negron '89. In the back row: ⑥ Rocio Moromisato Pereira '89, ⑦ Stephanie Smart '88, ⑧ Stephanie Jabbs-Maurer '90 '96N (MS), ⑨ Heidi Kluck, ⑩ Joy Moore, ⑪ Diane Hoffman-Kim '88, and ⑫ Christa Madden.

For more about Vocal Point, visit Urvocalpoint.com.

Credit to Klingenberg (and Eastman, of Course)

Many thanks for printing David Evan Thomas's wonderful tribute to Dominick

Argento '58E (PhD) ("Addio' to a Resonant Voice in Music"). But your short paragraph about Thomas contained a rather serious error in referring to Howard Hanson as "Eastman's founding director." Hanson was the second director at Eastman, arriving in 1924 to succeed Alf Klingenberg who resigned in 1923.

Besides, the only founder of the Eastman School of Music was George Eastman. No director of the school could rightfully claim that distinction.

*Vincent Lenti
Professor of Piano and Historian
Eastman School of Music*

Department of Corrections

In a photo on page 3 of the Spring 2019 issue, we failed to properly identify the researchers in the photo. They are dermatology professor Lisa DeLouise and biomedical engineering professor Danielle Benoit, who are part of a team trying to regenerate salivary gland cells to help some cancer patients. We apologize for the error.

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.

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UNIVERSITY of
ROCHESTER



JOIN US

to welcome Sarah C. Mangelsdorf,
the University's 11th president.

Meet President Mangelsdorf and join a conversation about
the University's future at an upcoming event near you.

10.23.19 | New York, NY

2.6.20 | Houston, TX

3.30.20 | San Diego, CA

11.14.19 | Boston, MA

2.7.20 | Chapel Hill, NC

4.23.20 | Chicago, IL

1.29.20 | Palm Beach, FL

3.13.20 | Washington, DC

5.28.20 | Philadelphia, PA

1.30.20 | Naples, FL

3.29.20 | Los Angeles, CA

6.18.20 | San Francisco, CA

For more details, and to register, please visit
www.uofr.us/welcome

In Review

LISTENING & LEARNING

‘I Want to Get to Know the University Community’

President Sarah C. Mangelsdorf introduces herself to the University community.

Rochester’s new president, Sarah C. Mangelsdorf, promised she would spend considerable time on a “listening and learning tour” during the first part of her time as the University’s chief executive.

She jumped right in on her first day on campus, setting a tone of engagement and visibility that she plans to make a central part of her Rochester leadership.

“I want to see the campus, I want to meet people, I want to see people where they work,” Mangelsdorf said during her first public appearance as she took office July 1. Meeting briefly with members of the media before taking a student-led tour of parts of the River Campus, she said, “I don’t want to be closeted away. I want to get to know the University community.”

Led by Meridian tour guide Jessica Robbins ’20, a psychology and political science major from the Rochester suburb of Brighton, and Bruce Bashwiner, senior associate vice president for facilities, Mangelsdorf made it a point to reach out to people away from Wallis Hall, an approach that she plans to repeat on other parts of campus. She also has scheduled a series of alumni and University community receptions around the country this year.

Most recently the provost at the University of Wisconsin–Madison, Mangelsdorf reiterated that she plans to spend time learning from members of the University community and then work collaboratively to map out plans for the future.

“As someone who has been in higher education a long time, I know the reputation of this place,” she said. “And I think I know some of its strengths and some of its challenges, but I’d like to hear from people for whom this is their home and their alma mater. What are the things that they think are most important? And that will help us figure out the things that we need to work on first.”

She also highlighted the notable role that the Rochester region has played in the nation’s political, artistic, and social history, particularly in the realms of suffrage and abolition, as well as in technology, innovation, and entrepreneurship.

“Rochester is a famous place in American history,” she said. —Scott Hauser

SOCIAL MEDIA LEADER

Follow the President on Instagram

President Mangelsdorf has set up an Instagram account as a way for members of the University community to get to know her better and to join her on social media as she explores the University and the Rochester area.

Follow her: [@urochestermangelsdorf](https://www.instagram.com/urochestermangelsdorf).



CAMPUS SEEN: Mangelsdorf (center) took a tour of the River Campus with Jessica Robbins ’20 (right), a Meridian tour guide, and Bruce Bashwiner, senior associate vice president for facilities, as she introduced herself to the University on her first day as University president.



TOP HAT: As part of a visit to the University’s power plant, Mangelsdorf was presented with her own hard hat by central utilities staff.



TUNNEL TOUR: Mangelsdorf's introduction to the River Campus featured a tour of the tunnel system that runs underneath the Eastman Quadrangle, including the painted tunnel that student organizations traditionally use to call attention to their activities.



SUSTAINING CONVERSATION: Mangelsdorf talks with student sustainability fellows Ruth Agwaze '22 (left to right), Reanna Salvador '21, Christina Krewson '21, and Ekene Nnadike '21 during a stop near the Paul J. Burgett Intercultural Center in Douglass Commons.

UNIVERSITY LEADERSHIP

Board Elects Two Alumni as New Trustees

Longtime board members are named life trustees in recognition of their service.

By Sara Miller

Two alumni with extensive experience as corporate leaders were elected to the University's Board of Trustees this spring, while five longtime members were elected as life trustees in recognition of their service, leadership, and philanthropic support.

New Trustees

Naveen Nataraj '97 is a senior managing director of the corporate advisory business at Evercore, a leading global independent investment advisory firm. The founder of the technology practice at Evercore, he regularly advised technology and telecommunications clients in transactions exceeding \$500 billion in value.

Nataraj and his wife, Courtney, established the Courtney and Naveen Nataraj Endowed Scholarship Fund at the University in 2014. Nataraj has actively participated in University reunion committees, the New York New Leaders Regional Cabinet, and the Trustees' Council of the College.

Kathy Waller '80, '83S (MBA) recently retired as executive vice president and chief financial officer of the Coca-Cola Company. She was responsible for the company's global commerce organization and with representing the company to investors, lenders, and rating agencies.

Waller previously served on the board from 2006 to 2016, when she was named a life trustee. Actively involved with the Simon Business School and the College, she chaired the Diversity Initiative Campaign Committee for *The Meliora Challenge*, as well as the Alumni National Council, among many other roles. She has supported undergraduate scholarships, including the Byrd and Eva Waller Scholarship that she established at the College in honor of her parents.

Life Trustees

Roger Friedlander '56 joined the board in 1997 and has served as a member, chair, or vice chair of several board committees. He has served in many leadership roles, including vice president of the Eastman Institute for Oral Health Foundation Board, a member of the Medical Center Board, and chair of the School of Nursing National Council and of *The Meliora Challenge* Campaign Cabinet for Nursing.



BOARD MEMBERS: Business leaders Naveen Nataraj '97 (left) and Kathy Waller '80, '83S (MBA) were elected trustees this spring.

He and his wife, **Carolyn** '68N (PNP), have supported the Dr. Elizabeth R. McArney Professorship in Pediatrics Funded by Roger and Carolyn Friedlander and other areas of Golisano Children's Hospital, the Medical Center, the School of Nursing, the Eastman School of Music, Rush Rhees Library, and other initiatives.

Ed Hajim '58, a highly successful investment manager, has been a board member since 1988 and served as chair from 2008 to 2016. He is credited with galvanizing support for *The Meliora Challenge*, the University's historic campaign that exceeded its goal by raising \$1.37 billion.

In addition to serving as the cabinet chair for *The Meliora Challenge*, he served as a member of leadership boards across the University. The Edmund A. Hajim School of Engineering & Applied Sciences is named in recognition of his leadership support for the school, one of the largest gift commitments in the University's history.


Michael Rosen '82, '83S (MBA), co-founder, cochairman, and CEO of Context Capital Management, joined the board in 2005. In addition to serving on board committees, he was the San Diego Regional Cabinet founding chair, a *Meliora Challenge* Campaign Cabinet chair, and chair for his 20th reunion.

He and his wife, Marilyn, have provided support to the Simon Business School through the Marilyn and Michael Rosen

Endowed Professorship as well as through scholarship and other support.

Joel Seligman led the University from 2005 to 2018 as president and CEO, G. Robert Witmer, Jr. University Professor, and professor of business and political science. Under his leadership, the University launched *The Meliora Challenge*, which, when it concluded in 2016, had nearly doubled the endowment, created the George Eastman Circle, and supported more than two dozen new facilities and infrastructure projects totaling nearly \$1 billion. He championed initiatives in data science, neuroscience, humanities and the performing arts, and health care, including the growth of a clinical enterprise that now includes a 15-county network and is anchored by six hospitals.

Nathaniel (Nat) Wisch '55, a specialist in hematology and medical oncology, has been a board member since 2002. He has supported key areas of the University, including service on the Metro New York Network Leadership Cabinet, cochair of the New York New Leaders Regional Cabinet, and as a national campaign volunteer and leader for the College.

Wisch and his wife, Helen, established the Nathaniel and Helen Wisch Professorship in Biology as well as two endowed scholarships, one in Arts, Sciences & Engineering and the other at the Eastman School of Music. 

Ask the Archivist: What's the Weight—Ceremonial and Physical—of the Mace?

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

Each May and June, our department guides the University mace through eight separate commencement ceremonies—beginning with the School of Nursing and ending with the Simon School. The faculty selected to carry it in the procession realize it is an honor, but the burden is both ceremonial and physical. What's its story? Why do we have it? And, frankly, how much does it weigh? —Sarabeth Rogoff '93, assistant director for events, University Event and Classroom Management

On October 4, the three insignia of the Office of the President—the University charter, seal, and mace—will be symbolically entrusted to President Sarah C. Mangelsdorf during her inauguration in the Eastman Theatre.

The mace measures 48 inches in length, weighs 6.4 pounds, and is almost exactly half the age of the University. It was created in 1935 to be used in the inauguration ceremonies for our fourth president, Alan Valentine.

The event was the responsibility of then University Trustee Edward Miner (1863–1955), who determined that the proceedings should be worthy of the status we attained during the presidency of Rush Rhees. That Valentine had been a Rhodes Scholar may also have influenced Miner to look to Oxford and Cambridge for inspiration. The evidence for this can be found in Miner's own handwriting on the flyleaf of a book he donated to our collection, Sir Arthur E. Shipley's *Cambridge Cameos* (1924).

Examined from top to bottom: the head of the mace is in the traditional form of a cup (some medieval examples could detach and be used for that purpose) and bears the University seal on its top surface. The sides of the cup are adorned with four dandelions and their familiar serrated leaves. Along the staff of mahogany is a pair of escutcheons—shields with the names of the University leaders from 1850 to 1983 engraved upon them; at the center is a patterned ring; then another pair of escutcheons engraved with names from 1984 to the present;

and finally a “foot-knop” adorned with more dandelions. All the metalwork is silver.

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.

The style of these decorations will be familiar to anyone who has walked around the River Campus. The reasons for this become obvious from Miner's correspondence: architect Philipp Merz, who designed much of the original campus, was hired to devise the mace, following illustrations in *Cambridge Cameos*, which Miner had loaned to him.

Merz submitted his drawings to the firm of Edwd. F. Caldwell & Co. in New York for fabrication. Caldwell was particularly noted for its lighting fixtures and undertook commissions from McKim, Mead, and White, an architectural firm that Merz had worked



MIGHTY MACE: Joan Shelley Rubin, the Ani and Mark Gabrellian Director of the Humanities Center, carries the University mace as the platform party that presides over the College commencement ceremony proceeds across the Eastman Quadrangle.

for and that had also designed the original Eastman Theatre and the first addition to the Memorial Art Gallery. The fabrication company's papers are held at the 42nd Street branch of the New York Public Library, which also features Caldwell-created decorations.

Merz was given a budget of \$780 to cover the costs for executing the mace and its smaller counterpart—a baton embellished with dandelions and stars, which Merz convinced Miner should also be made—and to have two medals, each 2.5 inches in diameter, struck showing the University seal. One medal was used on the mace, and its bronze twin was given to Valentine as the second of the three insignia of office.

The names of Valentine and his predecessors were pre-engraved on one of the escutcheons and included three names less familiar to us in this role: Ira Harris, a trustee who was designated as chancellor from 1850 to 1853, before Martin Brewer Anderson was hired; and professors Samuel Allan Lattimore and Henry Fairfield Burton, who served as interim presidents, having split the four years between the departure of President David Jayne Hill in 1896 and the arrival of Rush Rhees in 1900. President Richard Feldman's name will be added to mark his service as president from 2018 to 2019.

Inauguration, convocation, investiture, and commencement: every occasion at which the mace is used is a happy one and an augur of ever better things for those attending the event and for the institution it represents.

To learn more about these emblems of the University, visit <https://rbscp.lib.rochester.edu/blog/ATA-Summer2019>.

The Eastman School That's for Everyone

For nearly a century, the Eastman Community Music School has welcomed all comers.

Interview by Jim Mandelaro

The Eastman Community Music School opened its doors in 1921, the same year as the Eastman School of Music.

For nearly a century, the school has offered music lessons, ensembles, classes, and workshops to students of all ages, backgrounds, and talent levels. It serves around 1,800 students each year, ranging in age from four months to 92 years.

The school occupies the third and fourth floors of Eastman's Messenger Hall, which last year completed a \$2.8 million renovation, the most extensive in its history. The project was funded in

training young musicians to involving the community at any level and any age. That still holds true today. It doesn't matter what your ability is. Music is for anyone and everyone.

What's something the average person might be surprised to learn about the school?

People are shocked to learn a student can start at four months old, or that anyone can come here. Somewhere in the Rochester DNA, there's this vision that you don't come to Eastman unless you're a college student or a world-class musician. But the community music school is for anybody who loves music. The Eastman School of

Music stands for excellence. So does the Eastman Community Music School, but it has different criteria. A four-year-old student probably isn't going to be performing in Kilbourn Hall with an orchestra, but everyone deserves an opportunity to study music, and excellence is evident regardless of age.

The school has a strong commitment to outreach programs such as Pathways, Horizons, and ROCMusic. How do those programs enrich what the school already has to offer?


We have expertise and knowledge, and our goal is to support music in schools, community orchestras, and amateur groups in any way that we can. We're not an island. Some of our teachers work in public schools or perform in the Rochester Philharmonic Orchestra, and we need to support their or-

chestras. Music always seems to go first when there are budget cuts. We need to be public advocates for school programs and the 40-plus amateur orchestras in our town.

How has the school stood the test of time?

A recent article said Rochester is per capita the second city in the US for musicians. It's no surprise. We started a Rochester Music Alliance to bring together local amateur music groups and had 37 representatives from different groups at the first meeting. We have choruses, bands, orchestra, fire department bands, ethnic groups, and people who just play music at home.

What's your primary goal for the future?

My goal is to inspire the entire community in involving more students at an early age, starting from age four all the way through fourth grade, and prepare them to get involved in school orchestras. If we can get them learning the basics early, it will make music fun and as much a part of their life as reading. 



YOUNG AGE: Kodzas, a classical guitarist and director of the Eastman Community Music School, says his primary goal is getting more children involved with music even before they begin school.

large part by Eastman School of Music National Council member Karen Rettner and her husband, University Trustee Ronald Rettner.

"The feeling of community is what's really what's most apparent to me," says Petar Kodzas '99E (DMA), associate dean and director of the school. "When I was teaching in this building, others were scattered at our other buildings. We knew we belonged to the same institution but never felt it. Now, we are one community. It feels like a different school."

Kodzas was named associate dean and director of the Eastman Community Music School in 2017 after teaching classical guitar at the school for two decades.

What is the mission of the Eastman Community Music School?

For the first 20 years or longer, the school was mainly for people who were interested in careers in music. It had more demanding audition requirements and a much smaller enrollment. As society realized that music was not just for professional musicians, that it was great for humankind in general, the mission changed from



BIRD BIOLOGY: Chen (above) travels annually to Venus, Florida, home to one of the largest populations of a species of scrub jays left in the world, for a long-running project to analyze the birds' DNA and the factors affecting their evolution.

DNA DATA: The project involves extracting DNA samples (below) and tagging the birds in order to map their family trees.



FIELD RESEARCH

Bird by Bird


A Rochester biologist helps map the evolutionary forces affecting an endangered species of Florida birds.

By Lindsey Valich

Evolutionary biologist and assistant professor of biology Nancy Chen analyzes how different evolutionary forces contribute to genetic patterns. A current project involves evaluating endangered, wild birds—Florida Scrub-Jays (*Aphelocoma coerulescens*)—that have been individually marked and studied since 1969.

“It’s really important to me to study organisms in their natural environment because selection pressures will be different in the lab versus in the field,” says Chen, who annually travels to the Archbold Biological Station in central Florida to tag the birds and search for new nests.

Using 50 years of collected data, Chen creates family trees and develops pedigree simulations to analyze the ways in which the birds’ genetic material is changing due to habitat loss and a decrease in population.

Her research also has important implications for understanding human genetics and accurately predicting how public health interventions might affect the long-term genetics of human populations. 

Seeing What's Important

Imagine you're driving through your neighborhood, with scenery of trees, houses, and sidewalks whizzing by outside your window. Now imagine a squirrel runs across the road in front of you. Will you see it in time to attempt to avoid it?

Part of the answer rests with how old you are.

One reason humans are generally good at discerning smaller moving objects in the foreground is that the brain becomes desensitized to larger background stimuli. "The human brain cannot possibly process all of the information around us," says Dujé Tadin, a professor of brain and cognitive sciences at Rochester. "Being less sensitive to things that are less important makes the brain more efficient and faster at accomplishing the more important tasks."

For example, there are two basic ways the brain can distinguish such objects from moving backgrounds. It can enhance the objects that matter or it can



suppress the background, which has the effect of enhancing the objects. The latter is "the more efficient option," Tadin says. "Think about trying to have a conversation in a room with high background noise. It is more effective to find a way to turn off the noise than it is to just try speaking more loudly."

In a study published in the journal *Nature Communications*, Tadin shows that as we age, our brains lose some of the ability to suppress background motion,

therefore becoming less sensitive to smaller foreground objects. (Researchers have observed the same phenomenon in people with schizophrenia and depression.)

The differences aren't large. Younger adults in the study took an average of 20 milliseconds to pick out moving foreground objects, while adults aged 65 and older took about 30 milliseconds. But "those extra milliseconds could make a big difference," says Woon Ju Park, a former postdoctoral associate in Tadin's

lab and now a research associate at the University of Washington. They could mean the difference between hitting and avoiding the squirrel—or a child or a distracted pedestrian.

The good news is that with some training, older adults can narrow or eliminate the gap between them and their younger counterparts. Notably, the older participants who underwent training didn't get better at seeing the smaller moving object; instead, they became less sensitive to the background motion, just like younger adults.

"Most of the time when you train something in the brain, things get better," Tadin says. "This is a case where when you train something in the brain, you get better at seeing moving objects on a moving background, but you get worse at seeing the background. This showed us that these two things are really integrally connected, because when we affected one, the other one changed." —Lindsey Valich

Why Some African Nations Struggle with Ethnic Strife, and Others Don't

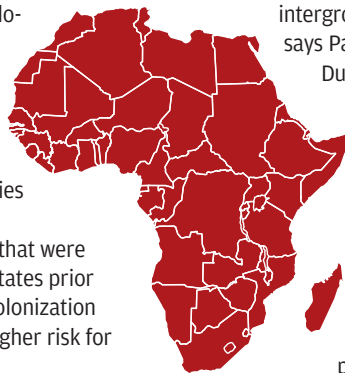
The continent of Africa, made up of 54 nations and thousands of distinct ethnic groups, is fertile ground to examine ethnic conflict. In a paper published in the journal *International Organization*, Rochester political scientist Jack Paine, an expert on comparative politics and game theory, posed a simple question: why are some African nations mired in ethnic conflicts and others not? Civil wars and insurgencies have occurred in Sudan and Uganda, for example, but not in Kenya. Benin has experienced several coups and coups attempts after independence, but Côte d'Ivoire has not.

Previous researchers have looked to the postcolonial era to explain ethnic conflicts on the continent—and haven't

sufficiently explained variations within Africa, according to Paine. Taking a longer-term perspective, he found that "frequently, precolonial political organizations sowed the seeds of later discord." African countries that include ethnic groups that were organized as states prior to European colonization are at much higher risk for violence.

During the precolonial period, Africa featured diverse forms of political organization, ranging from stateless societies, such as the Maasai in Kenya, to hierarchically organized societies

with standing armies, such as the Dahomey in Benin. Centralized states often participated in violent activities to promote intergroup inequality, says Paine.



During the colonial period, ethnic groups organized as states were elevated in the colonial governance hierarchy. Ruling through existing local political hierarchies reduced colonial administrative costs. This strategy was most closely associated with British rule, which favored indirect governance.

As a result, "distinct states and

identities created privileged subsets of the population that, when independence became imminent in the 1950s and 1960s, were unwilling to forge organizational ties with other ethnic groups," Paine says.

Common policy recommendations for ending civil wars may not work without understanding these long-term factors, he warns. For example, promoting inclusive power-sharing agreements will likely not stem violence. Deepening democratic institutions to increase the credibility of power-sharing agreements—and the hope that over time the legacies of distinct statehood will lessen—provide a possible but uncertain path out of the coup and civil war trap.

—Sandra Knispel



New College Students Need Time Alone

Although new college students may fear loneliness, there's a distinction between loneliness and time alone—and the latter is especially important for students adjusting to their new lives away from home.

That's according to Thuy-vy Nguyen '18 (PhD), who studied solitude—time spent alone, and without stimuli from electronic devices—as a doctoral student at Rochester. In a study published in the journal *Motivation and Emotion*, Nguyen, who will be an assistant professor of psychology at Durham University in England beginning this fall, found that “approaching solitude for its enjoyment and intrinsic values is linked to psychological health, especially for those who don't feel as if they belong to their social groups”—a feeling that may come and go but is nearly universal to people thrust into a new environment. “These findings highlight the importance of cultivating the ability to enjoy and value solitary time as a meaningful experience rather than trying to disregard it or escape from it.”

—Sandra Knispel

A Deeper Look at the ‘Longevity Gene’

As humans and other mammals grow older, their DNA is increasingly prone to breaks, which can lead to gene rearrangements and mutations—hallmarks of cancer and aging. A gene called sirtuin 6 (*SIRT6*) is often called the “longevity gene” because of its important role in organizing proteins and recruiting enzymes that repair broken DNA. Mice without the gene age prematurely, for example, while mice with extra copies live longer.

But as *SIRT6* goes about its

work in a range of species, only some of the species have long lifespans. So what about *SIRT6* accounts for the difference?

As they describe in the journal *Cell*, Rochester biology professors Vera Gorbunova and Andrei Seluanov, and Dirk Bohmann, professor of biomedical genetics, observed DNA repair in 18 rodent species with lifespans ranging from 3 years (mice) to 32 years (naked mole rats and beavers). Analyzing the molecular differences among the *SIRT6* proteins in the various

species, they identified five amino acids in beaver *SIRT6* responsible for making it “more active in repairing DNA and better at enzyme functions” than *SIRT6* in mice, Gorbunova says. When the researchers inserted beaver and mouse *SIRT6* into human cells, the beaver *SIRT6* better reduced stress-induced DNA damage compared to when researchers inserted the mouse *SIRT6*.

Although it appears that human *SIRT6* is already optimized to function, “we have other

species that are even longer lived than humans,” Seluanov says. Have such species—like the bowhead whale, which can live more than 200 years—evolved even more robust *SIRT6* genes?

The ultimate goal of the work is to prevent age-related diseases, Gorbunova says. “If diseases happen because of DNA that becomes disorganized with age, we can use research like this to target interventions that can delay cancer and other degenerative diseases.” —Lindsey Valich

Admissions Drops Standardized Test Requirement

Applicants for first-year admission to the University will no longer be required to submit any standardized test results to the Office of Admissions.

The change, which begins with the students applying in fall 2020, allows applicants to choose to be evaluated only on high school grades, coursework,

essays, achievements, community contributions, recommendations, and interviews.

The move follows a 2011 policy initiative that allowed students to apply on a test-flexible basis, which meant that although students weren't required to submit an SAT or ACT score, they were required to submit at least

one form of a standardized test score—most often Advanced Placement, International Baccalaureate, and national or international exams—to be considered for admission.

In evaluating the 2011 change, the Office of Admissions has found that hundreds of well-qualified students who never took

the SAT or ACT enrolled, resulting in no change in selectivity, retention, and graduation rates.

For students who want to submit standardized tests scores, applicants are welcome to include them in their application materials, and the University will continue to consider scores for those who submit them.



CIVIC CENTERED: East High School student Lilly Fontan and the other participants in the inaugural session of the Humanities Center's "Experiencing Civic Life" program learned about the Seneca people's ideas on equality, women's rights, democratic government, and ecology during a visit to the Seneca Art & Culture Center in Ganondagan, New York. The trip was part of a series of sessions organized by the program.

'Experiencing Civic Life' through the Humanities

A group of Rochester high school students explored the history and culture of the region this summer in ways designed to help them acquire perspectives and skills based in the humanities and humanistic social sciences.

Administered by the Humanities Center, the inaugural session of "Experiencing Civic Life" invited students from East High—a city school that has been administered as a partnership with the University since 2015—to

take part in an academic enrichment program. It included talks, seminars, writing workshops, field trips to cultural institutions, and other activities to help the students succeed academically and as active citizens.

University Recognized for Programs to Prevent Sexual Assault

Rochester joins Amherst College, Centre College, the University of Chicago, and the University of Delaware in earning recognition from the 1,500-member Campus Prevention Network for outstanding achievements in sexual assault prevention.

Rochester received the Campus Prevention Network Impact Award, which is presented

by the social impact education innovator EVERFI.

The award recognizes Rochester's commitment to creating a safe and healthy college campus by implementing evidence-based practices.

The University's sexual assault and misconduct prevention efforts are coordinated through the University's Title IX Office.

That office and many University departments and units collaborate to develop and execute prevention programs throughout the year. The units include the Office for Residential Life and Housing Services, the Department of Public Safety, the Office of the Dean of Students, University Health Service, and the University Counseling Center.

Start-ups with University Ties Win Top Spots

The top two finishers in the world's largest business development competition for optics, photonics, and imaging technologies are start-up companies with strong ties to the University.

Ovitz, a company founded by Felix Kim '14 to develop individualized vision care, took the \$1 million top prize in this year's Luminare competition, a program administered by NextCorps, a University affiliate and the region's only state- and federally designated business incubator. Kim, who is also the company's CEO, and engineering director Nick Brown '15 are graduates of the Institute of Optics. Ovitz's chief scientist is Geunyoung Yoon, a professor of ophthalmology and biomedical engineering.

In second place was VPG Medical, which has developed cameras that can be embedded in smart devices to monitor cardiac activity. CEO and cofounder Jean-Phillippe Couderc is an associate professor of medicine at the University, as is the company's chief medical officer, Burr Hall. Guy Arie, the head of business development, is an assistant professor of economics and management at the Simon Business School.

Winners of the competition commit to establishing operations in Rochester for at least the next 18 months.

University to Receive Louise Slaughter Papers

The River Campus Libraries will become the home of the congressional papers of Rep. Louise Slaughter, the influential congresswoman who represented the Rochester region for more than three decades in the House of Representatives. Her family made the announcement in May.

From 1987 until her death in 2018, Slaughter was the only microbiologist in Congress and the first chairwoman of the Rules Committee.

Known as a progressive Democrat, she was highly regarded as a champion for women's rights, higher education, the arts and humanities, federally funded research, economic development, and health care accessibility. At the time of her death, she was the dean of New York's congressional delegation.

In the coming years, the Department of Rare Books, Special Collections, and Preservation will house, archive, and make



HONOREE: In recognition of Slaughter's leadership on women's rights, education, the arts and humanities, federally funded research, and other issues, the University awarded her the Eastman Medal in 2009.

available the materials as the Louise M. Slaughter Congressional Collection.

In March, Slaughter was

named to the National Women's Hall of Fame in Seneca Falls, New York, and will be formally inducted this fall.



UNIVERSITY CITIZEN: A faculty post honors Burgett's legacy.

Dean Paul Burgett Remembered with Professorship

The 50-plus-year University legacy of the late Paul Burgett '68E, '76E (PhD) has been recognized with the first endowed distinguished professorship at the Eastman School of Music. An anonymous gift from two Rochester alumni will establish the Paul J. Burgett Distinguished Professorship at the Eastman School of Music.

Established to honor the legacy of Burgett, the gift also recognizes his lifelong commitment to music and education during a University career that spanned 54 years, including 20 at Eastman, where he began as a student and eventually became dean of students before taking on University-wide roles.

Eastman plans to announce the inaugural recipient of the professorship this fall.

Burgett, whose engagement as a teacher, scholar, dean, and vice president over five decades made him one of the University's most recognized citizens, died in 2018 at the age of 72 after a short illness.

During his University career, he served in many key roles: student body president at Eastman, faculty member in the Department of Music, dean of students at Eastman and for the University, advisor to four University presidents, and as a University vice president and general secretary to the University's Board of Trustees.

PEOPLE & APPOINTMENTS



Dean of School of Arts & Sciences

Gloria Culver, who has led the School of Arts & Sciences since 2014, has been appointed to a second term as dean. A nationally recognized biologist, Culver joined the faculty in 2007. Appointed interim dean before her first full-term appointment in 2015, she has helped launch the Humanities Center and has introduced projects for the performing arts and the natural sciences.



Memorial Art Gallery Director

Jonathan Binstock has been reappointed to a five-year term as the Mary W. and Donald R. Clark Director of the Memorial Art Gallery. First appointed as the museum's seventh director in 2014, Binstock is an expert in art of the post-WWII era and was curator of contemporary art at the Corcoran Gallery of Art in Washington, DC, among other positions, before joining Rochester.



Dean of Graduate Education

Melissa Sturge-Apple '92, most recently the dean of graduate education and postdoctoral affairs in Arts, Sciences & Engineering and a professor of psychology, has been named vice provost and University dean of graduate education. Sturge-Apple succeeds Margaret Kearney, who retired at the end of June after serving in the role for eight years and at the University for 14 years.

INTRODUCING THE CHIEF DIVERSITY OFFICER

First Vice President for Equity and Inclusion Appointed

Mercedes Ramírez Fernández will implement and lead an institution-wide diversity strategic plan.

By Sara Miller

An educational administrator who has earned recognition for her leadership on issues of diversity and improving the campus climate at several leading universities has been named Rochester's first vice president for equity and inclusion.

Mercedes Ramírez Fernández, most recently the associate vice provost for strategic affairs and diversity at Virginia Tech, formally began her new role on July 1. She oversees Rochester's new Office of Equity and Inclusion. There, she holds the title of Richard Feldman Vice President for Equity and Inclusion, a position named in recognition of Richard Feldman, who served as president from 2018 to 2019 and made improving Rochester's campus culture a priority during his time in office.

As vice president, Ramírez Fernández will work closely with deans and other senior leaders and campus constituencies to create, implement, and lead an institution-wide diversity strategic plan that includes recruitment, training, communication, policy, and metrics. Working with campus diversity leaders, she's charged with integrating the strategy with federally mandated antidiscrimination compliance and also with identifying and pursuing opportunities to foster a welcoming and inclusive environment, including promoting the University's vision, values, and culture of respect. Reporting to the University president, the vice president for equity and inclusion is the chief diversity officer for the institution.

At Virginia Tech, Ramírez Fernández was responsible for creating and sustaining programs to increase faculty, staff, and student diversity; ensuring a welcoming, affirming, safe, and accessible campus climate; preparing students for service through an understanding of issues of identity and the human condition; and developing and supporting innovative inclusiveness programs and policies across Virginia Tech's campuses. Ramírez Fernández's expertise is in diversity in higher education curriculum, institutional models that support student success, strategic enrollment management, alumni relations, and assessment.


Before Virginia Tech, she was interim assistant chancellor and assistant provost for student diversity at the University of Illinois at Urbana-Champaign. There, she directed the Illinois Promise Program, supporting first-generation and low-income student success. She also has served as assistant dean of admissions and director of student advising and learning communities in its College of Liberal Arts and Sciences and as vice chair of the chancellor's and provost's committee on race and diversity, helping advance a successful proposal to have all students take a course focusing on the lived experiences of US minorities.



A UNIVERSITY-WIDE VISION: In her role as vice president, Ramírez Fernández will serve as Rochester's chief diversity officer and will direct the institution's Office of Equity and Inclusion, both of which are new, University-wide roles at Rochester.

Prior to her roles at Illinois, she directed living-learning communities at the University of Wisconsin-Madison.

Feldman served as chair of the committee that conducted the search, a process that included members of the University's Board of Trustees and Rochester's new president, Sarah C. Mangelsdorf.

Ramírez Fernández holds an EdD in higher education management from the University of Pennsylvania, a master's degree in counseling from the University of Iowa, and a bachelor's degree in psychology from the University of Puerto Rico-Mayaguez. 

SCOUTING REPORT

What's Ahead for the Yellowjackets?

Coming off one of the most successful years in program history, Rochester's athletic teams carry momentum into 2019-20.

By Dennis O'Donnell

The Yellowjacket varsity teams are coming off one of the most successful years in the history of Rochester's athletic programs as they head into the 2019-20 year.

Over the course of last year's campaigns, 11 sports were represented in national postseason competition—10 in the NCAAs and squash in the top level of the College Squash Association championships—for the 10th consecutive season. Rochester students received All-America honors in field hockey, men's soccer, men's basketball, squash, and women's track and field—both indoors and outdoors.

Rochester had six students voted to the Google Cloud Academic All-America Team in the sports of men's soccer, baseball, softball, women's indoor track and field, and outdoor track and field. Eighteen student-athletes were elected to Phi Beta Kappa, the international honor society.

The first home event takes place September 1.

Here's a look at what's ahead this fall:

Men's cross country The early part of the season will be spent rounding out a consistent top five as the bigger events arrive, including the University Athletic Association championships and the NCAA Atlantic regional meet. Look for rising senior Ivan Frantz to lead the way, after finishing 60th at 2018 NCAA regional and turning in a really strong junior track season in the 5,000 meters. Rising senior Ryley Robinson should be another top returner to watch, as he was the team's third finisher at the UAAs. Hunter Phinney '19 capped his senior season last year with all-USA and all-regional honors and an invitation to the 2018 NCAA championships, where he finished 49th.

Women's cross country Four of the top five runners return from the squad that finished 21st at the NCAA championships last fall. Rising senior Kelly Reese finished second among Yellowjacket runners at UAAs, regionals, and nationals. Rising senior Jordan Hurlbut was Rochester's third finisher at UAAs and in the top five at regionals and nationals. Rising junior Ximena Reyes Torres was the team's No. 3 runner at the NCAA championships, and rising senior Julia Myers will also be a key returner after finishing as Rochester's fourth runner at nationals.

Field hockey The Yellowjackets have solidified the program


START IT UP: Jorie Freitag '20 is one of nine starters returning to the women's soccer team, a squad that qualified for the NCAAs last year.

as a bona fide Division III power. Rochester enters the 2019 season having played in four consecutive NCAA tournaments, reaching the national quarterfinals three times. A number of veterans return, including all-league seniors Maya Haigis, Colleen Maille, and goaltender Kate Kujawa. Six of the top eight scorers are back. Kujawa set University records for victories last year (19) and shutouts (12).

Football More than 50 newcomers, many of them first-years, will be vying for playing time as Rochester continues to build and strengthen the program. Rising sophomore Caden Cole and rising junior Adam Baghi earned all-Liberty League honors a year ago. Rising sophomore Noah Shinaman caught 46 passes in 2018, four of them for touchdowns. Rising junior place-kicker Dawson Klinger made six of nine field goal attempts and was 13-14 on PATs.

Men's soccer Rochester takes the field in 2019 off its most successful season ever. The Yellowjackets reached the national semifinals of the NCAA Division III playoffs and were 16-3-2 overall. They were ranked No. 3 by the NCAA and No. 4 by the coaches association at the end of 2018. Seven players with starting experience return to the lineup. Six are rising seniors: Aidan Miller, Josh Cooley, Ulrik Koren, Mitch Volis, Zach Lawlor, and Cristian Baltier.

Women's soccer The Yellowjackets were rewarded for playing one of the toughest strength of schedules in the country last fall. They played in the NCAA Division III tournament. Nine women who started 10 or more games last year are back. Rising sophomores Carolyn Richards and Cesca Sheppard combined for seven goals last year; five were game-winning goals. Rising senior Jorie Freitag scored two game-winners. Rising sophomore Emma Schechter posted a 1.00 goals-against-average last year and made 60 saves in 16 games.

Volleyball Six players who played in 30 or more matches last year return. Rising junior Allie DeRupertis led the team in kills (380), was ranked 64th in Division III and second in the UAA. Rising senior Beth Ghyzel had 1,129 assists, 10th highest in a single season at Rochester. She was ranked 31st in Division III. Classmate Kate Korslund had 114 kills and 27 blocks in 2018. Rising junior Tamera Shaw contributed 117 kills and 72 blocks. She was top-20 in the UAA in four block categories. Rising senior Sara Apanavicius posted a team-best 430 digs. 

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



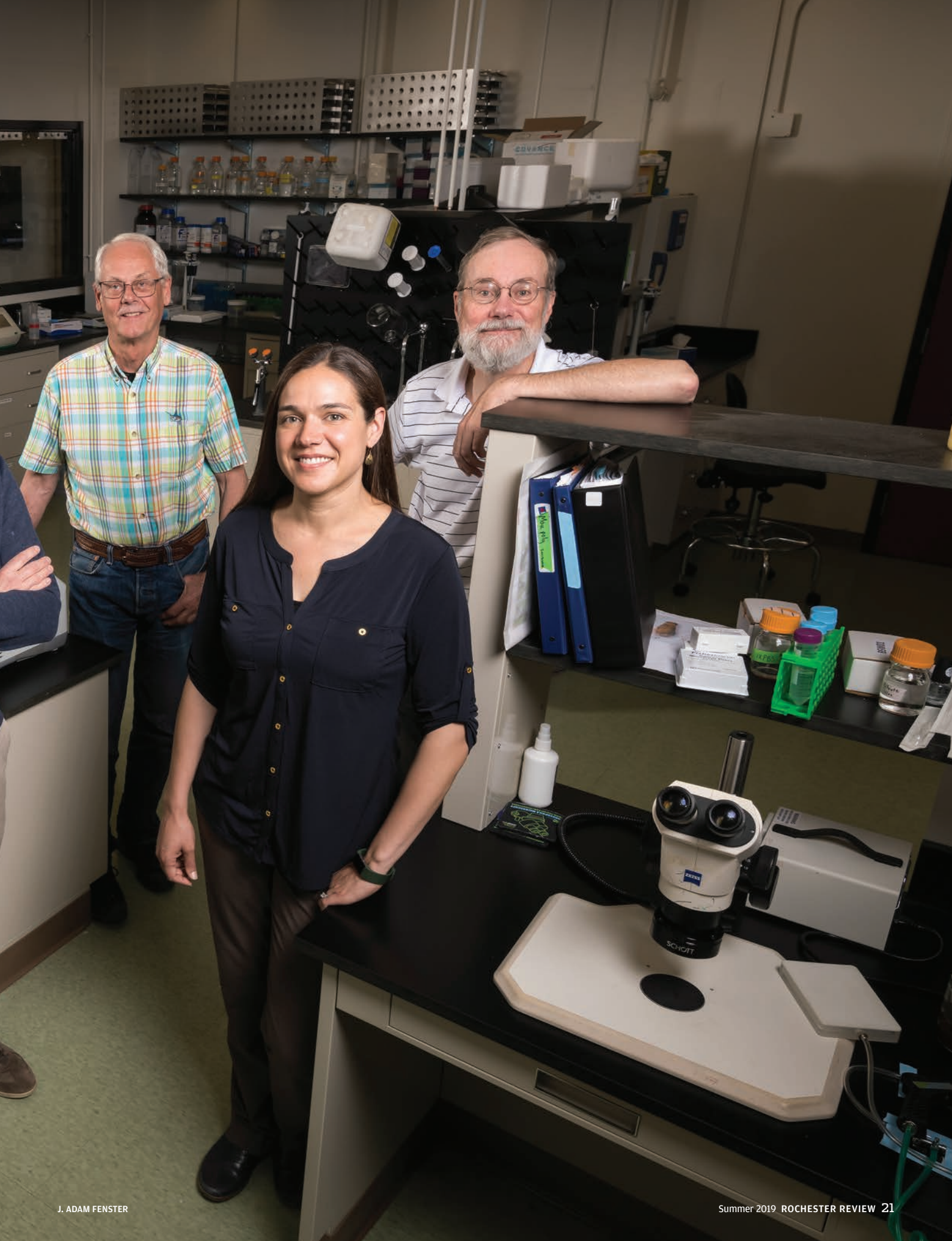
Evolution's New Era

A photograph of two men in a laboratory. The man on the left is older, with a white beard and glasses, wearing a blue patterned short-sleeved shirt and khaki pants. The man on the right is younger, with a beard and glasses, wearing a dark blue hoodie and khaki pants. They are standing in front of laboratory equipment, including a large piece of machinery with a tray. In the background, there are shelves with various bottles and containers.

**ROCHESTER BIOLOGISTS
ARE LEADERS IN
A PARADIGM SHIFT,
AS SCIENTISTS EXPLORE
AN EVOLUTIONARY
ARMS RACE THAT'S NOT
BETWEEN ORGANISMS,
BUT WITHIN THEM.**

By Lindsey Valich

EVOLVING STRENGTHS: Together, the research programs led by biologists (left to right) Jack Werren, Daven Presgraves, John Jaenike, Amanda Larracuente, and Tom Eickbush have established Rochester as one of the world's leading centers for understanding the ways in which some genetic elements seem to defy the expectations of evolutionary biology.





We like to think of a healthy organism as a smoothly running machine. A whole made up of intricately related parts. Right down to the cellular level—and inside each cell itself—every element with its role; every function contributing to the good of the whole.

But if you look deeply enough into living cells, you're likely to find a whole lot of chaos.

That chaos is something Rochester biologist Jack Werren observed firsthand in the 1980s. While studying entomology at the Walter Reed Institute of Research, he and a colleague discovered a bacteria that altered the

sex ratios of insects by killing a large portion of the male offspring, leaving mostly females. Most surprising, they found, was that the bacteria was transmitted from mothers' cells to their daughters.

"There is a whole class of inherited elements that alter the reproduction of insects in ways that are beneficial only to the element itself, mostly by altering sex ratios," says Werren, the Nathaniel and Helen Wisch Professor in Biology.

Scientists had observed something similar before. In the 1920s, the Russian biologist Sergey Gershenson first observed a sex-ratio abnormality in a type of fruit fly—an aberration so striking it seemed capable of driving the species to extinction. Barbara McClintock's seminal work in the 1940s and 1950s had also revealed a world of "jumping genes," although their "function" in organisms was unclear.

At the time, the implications of McClintock's research were met with skepticism, but she was later awarded the Nobel Prize. Other mid-century advances led to more puzzling findings. In the early 1980s, right about the time Werren began his Army post, researchers reported that some genes might not have specific purposes, introducing the idea that simple organisms—like onions, which have 15 times more DNA than humans—can have complex genomes, full of repeated DNA. Two influential papers in the journal *Nature* proposed the idea that repetitive DNA could be parasitic or "junk" DNA.

In 1988, Werren and his Rochester colleagues Uzi Nur and Chung-I Wu brought the diverse discoveries together, formally defining DNA parasites and junk DNA as "selfish genetic elements" (SGEs), an umbrella term for elements that share a common feature: they seek only to enhance their transmission to the next generation and are either harmful or neutral to an organism.

The concept of a selfish genetic element was controversial. It wasn't just the notion that genes, rather than organisms, competed for survival. That idea wasn't new. In the 1970s, Richard Dawkins had popularized much of the science of the so-called gene-centric view of evolution in the book *The Selfish Gene*. But Dawkins's selfish genes, infighting for their own survival, also helped perpetuate the individuals carrying them. In that schema, every gene in an organism was a selfish gene.

What Werren and his colleagues were describing was something else: genetic elements whose successful propagation was often harmful to an individual and could lead to a species' end.

"Many biologists had a hard time wrapping their head around the idea that there could be parasites in the DNA," he says. "If there was something there, it had to be good for the organism."

Today Werren is one of a group of researchers in the University's biology department studying SGEs and their impact on evolution.

"The University of Rochester has one of the highest concentrations of researchers working on selfish genetic elements in North America, if not the world," says Arvid Agren, the Wenner-Gren Fellow in the department of organismic and evolutionary biology at Harvard University. "For many years members of the department have shaped the field, and they continue to do so."

Rochester biologists have been instrumental, for example, in discovering just how significant the elements really are. Organisms from corn to fruit flies to humans are littered with them, affecting a range of biological processes, including speciation, aging, diseases, gene regulation, and even sex itself.

"Something very dramatic has shifted," says Daven Presgraves, a Dean's Professor in the Department of Biology at Rochester, who

GENERATIONS OF GENES: The labs of Rochester researchers use wasps or fruit flies (above) to track specific genetic elements because the insects procreate rapidly, allowing biologists to observe many generations in short periods of time.



studies the role of SGEs in speciation. SGEs “aren’t just these one offs that you can find here and there. Selfish genetic elements are everywhere. And they’re affecting every generation, all the time.”

A Closer Look at Selfish Genes

Each of the cells in your body shares the same sequences of DNA, collectively called your genome. Each of the genes that make up the DNA, however, is coded to activate different sequences of proteins, giving cells various functions

It turns out, however, that a good portion of your DNA is not even “yours.” That is, it doesn’t code for anything that makes you, *you*.

Before DNA sequencing, it was difficult for researchers to grasp that a genome is not always a cohesive unit working to optimize an

copies of mobile elements,” says Tom Eickbush, a Mercer Brugler Distinguished Teaching Professor at Rochester.

Transposable elements are found in all species of plants and animals. Working with fruit flies, Eickbush has studied the mechanisms by which transposable elements replicate themselves. Their presence “can play a significant role in altering the size, structure, and expression of a cell’s genome,” Eickbush says. Transposable elements can introduce genetic mutations resulting in predispositions to cancer and genetic disorders like hemophilia, for example.

Meiotic drive elements are another major grouping of SGEs. Meiotic drive elements are chromosomes that gain a transmission advantage by getting passed on to more than their “fair” share of offspring. In the regular course of reproduction, parents contribute DNA to

“Many biologists had a hard time wrapping their head around the idea that there could be parasites in the DNA.”

ROCHESTER BIOLOGIST JACK WERREN

organism’s fitness. When Charles Darwin first articulated the theory of natural selection, he had no notion of genes and DNA or the role they play in inheritance.

In the mid-20th century, researchers began recognizing that DNA held the genes that were passed on from parent to offspring. The era of molecular genetics had arrived and with it, the realization that genes were the vehicles of evolution.

Scientists now know that SGEs can be grouped into several different categories. So-called transposable elements, which make up at least 50 percent of the genes in the human genome, are one major group. Also called jumping genes or mobile elements, they gain a replication advantage by making extra copies of themselves and inserting themselves into random parts of the genome. In so doing, transposable elements are akin to viruses. But unlike viruses, they cannot leave the cell; instead, they infect a cell’s DNA.

“You can basically say that most of the human genome is just old

their offspring by packaging one copy of each chromosome into gametes (eggs for females; sperm for males) during a cell-division process called meiosis. The production of gametes ensures that each copy of a chromosome makes it into 50 percent of the gametes. Each gene, then, should have the same chance as any other of transmitting itself.

But there are “cheater” genes that skew the ratio. Richard Lewontin, who was an associate professor of biology at Rochester in the late 1950s and early 1960s, developed one of the first models for SGEs, working with the meiotic drive element *t*-allele, in mice. Lewontin conducted simulations showing that *t*-alleles—so named because the laboratory mice strain with the cheating allele was tailless—kill gametes carrying the opposite allele and can ultimately drive mice populations to extinction.

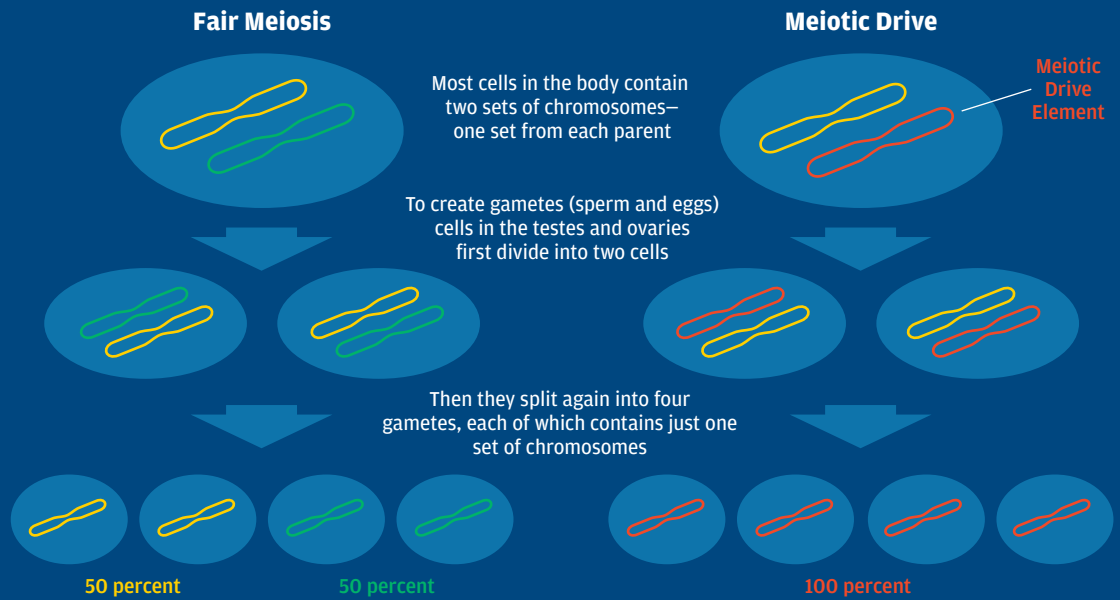
Even skewing the ratio a little bit can therefore make a huge difference, says John Jaenike, a professor of biology at Rochester. “Any gene that can cheat during meiosis instead of having a 50/50

A Microscopic Survival of the Fittest

Selfish genetic elements were dismissed as anomalies when they were first described nearly a century ago. Now, scientists understand that they are more pervasive than originally thought. Rochester researchers are exploring the roles the elements play in inheritance, aging, speciation, and evolution. Rochester biologist Jack Werren, who along with colleagues Uzi Nur and Chung-I Wu coined the term in 1988, describes four types of selfish genetic elements.

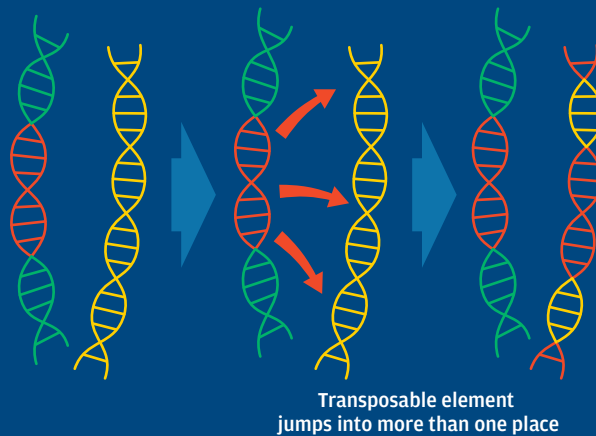
Meiotic Drive Chromosomes

Meiosis is the process by which gametes (sperm or eggs) are created. Usually it is “fair,” meaning there is a 50/50 chance that each chromosome will be passed to a gamete and therefore to offspring. Meiotic drive elements skew the ratio and increase the rate at which they get passed on to the next generation.



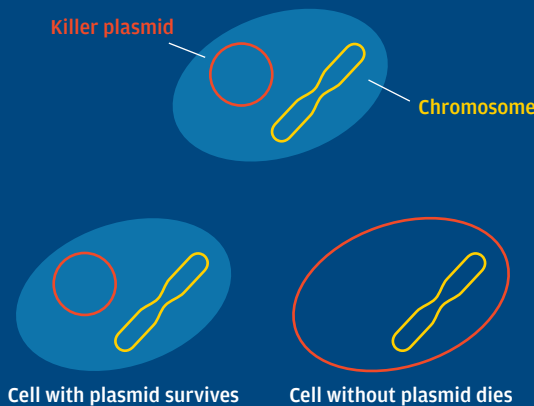
Transposable Elements

Also known as transposons or “jumping genes,” the elements make extra copies of themselves and insert them into random parts of the genome. Transposable elements make up at least 50 percent of the human genome.



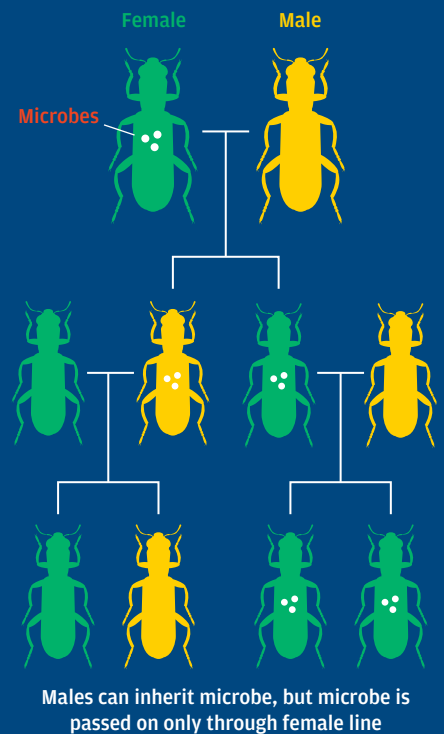
Postsegregation Distorters

Postsegregation distorters “kill” cells that don’t inherit them. For example, killer plasmids carry the recipe for both a toxin and its antidote. Because the toxin persists longer than the antidote, cells that don’t inherit the plasmid die.



Heritable Microbes

These elements, which occur in 40–70 percent of insect species, distort sexual reproduction by favoring the sex that transmits them—typically by enhancing the chance that a mother will produce female offspring.



ratio would be difficult to detect. It could be that a lot of genes spread and we don't even notice it."

Jaenike studies a destructive inheritable bacteria called *Wolbachia*, which is widespread in insects, inherently found in 40-70 percent of all insect species. *Wolbachia* is an example of a third type of SGEs called heritable microbes, which distort sexual reproduction by favoring the sex that transmits them. For instance, males can be infected with *Wolbachia*, but do not transmit it. *Wolbachia* therefore distorts reproduction to enhance the chance that a mother will produce female offspring that will then pass on the bacteria.

In his early years at Rochester, Werren observed a fourth type of SGE that takes selfishness to excess: postsegregation distorters. Postsegregation distorters have been detected in worms, insects, yeast, and bacteria and act after fertilization to either kill the genome or the offspring that don't carry them. Werren observed a type of postsegregation distorter called paternal sex ratio (PSR) in the parasitic wasp species *Nasonia vitripennis* that completely obliterates a male's genome, destroying all other genes except its own from the wasp's sperm after the sperm fertilizes an egg.

"This is the ultimate selfish gene," Werren says. "You can't get much more selfish than totally destroying your host genome and getting transmitted yourself."

How "Selfish" Is the Human Genome?

It's difficult to directly determine just how much of the human genome is selfish. When researchers map the human genome, they can directly see transposable elements—they are simply pieces of the genomic puzzle that don't fit. But when it comes to meiotic drive elements, researchers often look for indirect evidence of the cheaters.

Gregor Mendel's laws of inheritance dictate that a set of parents should produce offspring at a ratio of 50 percent male and 50 percent female. One way to infer the presence of SGEs like meiotic drive

words, while SGEs are operating only to propagate themselves, they don't "realize" that by doing so, they may be on a path that could eventually take their host species—and themselves—to extinction.

But genomes do fight back. Within the genomes of every organism there is a microscopic evolutionary arms race taking place: SGEs present themselves in the genome, and the rest of the genome evolves suppressors to quell them. The SGE then evolves to overcome the suppressor, and the suppressor has to evolve to keep pace.

While researchers previously focused on discovering the different types of SGEs and their means of propagation, the field has turned toward understanding this evolutionary arms race.

"Now we are in the genomic sphere," Eickbush says. With enhanced sequencing technology and new genome assembly methods, "people are looking at total genomes and characterizing the millions of elements that might be there. There's a great interest in finding out how these elements have given rise to steps in evolution and how they are being coopted for other purposes."

As a result, biologists in a wide range of subfields have begun contending with SGEs.

Rochester biology professor Vera Gorbunova, for example—whose research is focused on cancer and aging—recently discovered a defense mechanism against SGEs that may trigger inflammation, hastening the aging process in humans.

Larracuente has found that some of the genetic elements may have both selfish and beneficial purposes. Using genome sequencing to map the genome of the fruit fly *Drosophila melanogaster*, she discovered transposable elements that came and "sat down" next to genes, and the genome repurposed the transposable elements to build essential chromosomal regions.

SGE research is also being applied to synthetic drive systems that could be used to suppress pest populations. *Wolbachia*, for example, spreads through insect populations by altering reproduction and,

"Evolution doesn't know where it's going."

JOHN JAENIKE, PROFESSOR OF BIOLOGY

elements, which involve the X and Y sex chromosomes, is to observe generations of an organism and see if their sex ratios are highly distorted: does a set of parents have a lot more male offspring than females and vice versa?

This question can be difficult to answer in organisms like humans that do not produce many offspring. "You can think off the top of your head of families that have five or more girls, and that can happen randomly," says Amanda Larracuente, an assistant professor of biology at Rochester, who studies Y chromosomes and blocks of repetitive DNA called satellite DNA.

On the other hand, "if you have a family pedigree that for generations had individuals that consistently produced only female offspring, one possibility is that there is a driver on the X chromosome that kills Y-bearing sperm," she adds. This phenomenon is well studied in some fruit fly species.

A successful driver that occurs on the sex chromosomes can be "really harmful for a population," Larracuente says. A successful driver on the Y chromosome would produce a population of all males, just as a successful driver on the X chromosome would produce all females. "A population like that will collapse and go extinct."

"We're Really Only Beginning"

While the proliferation of SGEs is apparent, where they first originated is still a mystery. What is clear, however, is that they do not have a master plan to take over an organism—genes aren't forward looking.

"Evolution doesn't know where it's going," Jaenike says. In other


as such, is one of the most "successful" SGEs. But it also suppresses some viruses: if a mosquito carries certain strains of *Wolbachia*, it won't transmit dengue fever and malaria. Injecting mosquitoes in specific regions with *Wolbachia* and allowing it to spread through a population can therefore help reduce the spread of disease from mosquitoes to humans.

These methods of using SGE mechanisms to create synthetic drive systems are studied under controlled circumstances—in sealed buildings, for instance—so scientists can test and predict how gene drives might affect ecosystems. Researchers can then develop strategies to minimize risks, including preventing the elimination of an entire species.

"This is reviewed really well in terms of people thinking about how to do this responsibly," says Larracuente, who regularly discusses her research with synthetic biologists.

By better understanding the different types of SGEs, the ways SGEs spread, and how they give rise to steps in evolution, synthetic biologists are better able to weigh the risks and benefits of creating engineered systems.

But, while SGEs are now almost universally accepted as drivers of evolution, there is still more work to be done.

"We're really only beginning to dig in to understand selfish genetic elements as a phenomenon," Presgraves says. "We now assume that at any point in transmission, there's a selfish genetic element looking for a way to exploit the transmission. That's how pervasive selfish genetic elements are." 



Longtime Texan

J. J. Gonzalez '11 is a real estate lawyer whose family has taken part in livestock shows throughout Texas, including Houston's iconic rodeo.

Show Us Your Town

Houston

Home to nearly 1,200 alumni and friends, Houston is one of the country's friendliest and most diverse cities, say members of the University community who live and work in the East Texas city.

By Kristine Thompson



Music Maven

A sixth-generation Texan and Houston native, arts manager Todd Frazier '92E knows the secret hot spots for music in the city.

Houston Home

On her "second rodeo" in the city, executive leader Barbara Burger '83 says she's found a home in Houston.

Family Favorites

Corporate finance manager Ebon Robinson '01S (MBA) and his family seek out Houston's many parks and museums.

WELCOME WAGON: Members of Houston's growing network of alumni and friends in Houston, Gonzalez, Frazier, Burger, and Robinson meet for a photo in Buffalo Bayou Park, a 160-acre green space that stretches along a 10-mile waterway in the heart of the city. Opened to the public in 2015, the park is one of the country's great urban green spaces, says Robinson.

Barbara Burger '83

"This is my second rodeo in Houston," says Burger, who arrived six years ago from Northern California. "I love it here—it's an incredibly welcoming, inclusive place. When I came back, everyone made me feel right at home." A University trustee and the president of Chevron Technology Ventures, Burger first lived in Houston from 1997 to 2000.

Burger is also a member of the Houston Network Leadership Cabinet, a growing group of alumni and friends committed to celebrating their connections and building their network. "I embrace where I live, and here in Houston, there is so much to do and there are many ways to make a difference. I've seen that in my role at Chevron, in the community, and as part of the Rochester alumni network here."

"Houston is growing so fast, and will soon overtake Chicago in terms of population," she says. "People come from everywhere—for jobs and opportunity, and because the city is, on average, very affordable. The expression 'dream it, do it' is really the mind-set here."

A Houston Symphony

Jones Hall, 615 Louisiana St.

"The symphony is one of Houston's gems," says Burger, who serves on the orchestra's board of directors. "It offers programs as far ranging as Harry Potter-themed concerts to Rachmaninoff piano concertos and more."

Several Eastman School of Music alumni are members of the orchestra, too, including **Anthony Kitai '98E**, **Nancy Goodearl '78E**, **Martha Chapman '79E**, **Allen Barnhill '77E**, **Joan DerHovsepian '91E**, '94E (MM) and **Kathryn Ladner '10E**.

B Chevron Houston Marathon

Start line: Congress Ave. and San Jacinto St.

"Every January, thousands of runners participate in this world-class marathon," says Burger. "And, it doesn't matter if you finish in three hours or in six, you are greeted at the finish line and treated like a winner." Every year, Burger runs the half marathon. Her goal is to get to the finish line early to celebrate the runners as they come in. "If you're a runner looking for a winter race, sign up for this," she says. "The weather is typically perfect."

C Museum of Science

5555 Hermann Park Dr.

Houston's Museum District boasts 19 top-notch cultural institutions, including the Museum of Fine Arts, the Museum of African American Culture, and the Center for Contemporary Craft.

Be sure to visit the Museum of Science, Burger says. Its Weiss Energy Hall tells the



story of energy from its many sources: oil, gas, solar, and wind. "If you are going to be in the energy capital of the US, this is where you can get a great crash course in it."

Todd Frazier '92E

Frazier is system director of the Center for Performing Arts Medicine at Methodist Hospital, part of the Texas Medical Center. Known as TMC, the complex brings together clinical and research programs of Rice, Baylor, the University of Texas, and other universities, as well as prominent hospitals and health care organizations into the world's largest medical center.

A native Houstonian and a sixth-generation Texan, Frazier says his favorite places represent the soul of the city, a perspective that first blossomed at the Eastman School of Music.

"I left Eastman wanting to broaden the definition of professional success beyond the traditional orchestral and teaching roles," he says. "This is why I have been so committed to developing music programs within the health care environment—there is such great potential there."

D Anderson Fair Retail Restaurant

2007 Grant St.

Bob Dylan, Lyle Lovett, and other folk and country music legends have cut their teeth

at the rather secretive, singer-songwriter venue. Run by volunteers, it's hidden on Montrose Avenue and rarely publicizes its hours or show details. "You have to drive by and check out the chalkboard outside the front door to see who's coming to town and when," he says. "Every professional musician knows about this place, and if you are invited to play there, it means something." He adds that it's a serious listening place. "You can get a drink and something to eat, but you're really there for the music."

E The Original Ninfas

2704 Navigation Blvd.

The late Ninfa Laurenzo was famous to Houstonians for her great Mexican food. Her family business took off years ago and later became a franchise. Frazier suggests visiting the Original Ninfas, which is still run by the members of the Laurenzo family. "You'll find the same kitchen and even some of the same employees who were there 40 years ago." Frazier recommends the chicken fajitas, homemade tamales, and the diablo shrimp.

F Texas Medical Center

Houston

Organized as a district and neighborhood of its own, the center features a surprising set of museums, says Frazier. Check out the Michael D. DeBaKey Library and Museum,

which chronicles the life of the pioneering heart surgeon; the Wallace D. Wilson Museum at the Texas Heart Institute, which presents a collection of art and other materials related to the institute's cardiovascular technology, discovery, and care; and a new interactive digital wall at TMC's Walter Tower, which traces 100 years of the history of Houston Methodist, one of the center's main hospitals.

J. J. Gonzalez '11

Gonzalez grew up in McAllen in the Rio Grande Valley, just a few miles from the Mexican border and five hours south of Houston. He moved to Houston to expand his law practice in 2017.

"The people of Houston are what make it such a great city," says Gonzalez.

A scholarship student who served as 2011's class president, Gonzalez was active on campus in fraternity life and LGBTQ initiatives. He spent a semester in Ecuador and did a Take 5 program in which he studied Islam.

"Rochester changed my life," says Gonzalez, who practices real estate law. "A lot of the things I love about Rochester, I love about Houston. Both are filled with exceptional, inspiring people."

G Houston Livestock Show and Rodeo

NRG Stadium

"Houston pride comes alive during the rodeo," he says. "This is when everyone gets out their cowboy hats, boots, and western wear." Founded in 1932 as a way to promote agriculture and showcase cowboy heritage, the rodeo now draws more than 1 million visitors a year during its annual monthlong run in February and March. In addition to traditional rodeo competitions and agricultural demonstrations, the event offers arena-filling musical performers and the World's Championship Bar-B-Que Contest.

Gonzalez's grandfather owned a feed and seed shop that had a regular booth at the rodeo, and since he was a little boy, Gonzalez has attended nearly every year. In the photo on page 26, Gonzalez is wearing a belt buckle his granddad made in the 1960s.

H Houston Baseball and Sports

Minute Maid Park, 501 Crawford St., and other locations

Gonzalez loves sports, especially the Houston Astros. "Everyone rallies at a ball game," he says. "People find common ground over a beer, a hot dog, and fireworks." It's what happens, he says, at any sporting event in town, be it baseball, football, or basketball. Gonzalez has sponsored a Sugarland Skeeters minor league ball game for University alumni and friends for the last few years.

"We rent out a skybox and celebrate our Houston and Rochester connections," he says. "We have a lot of fun."

Houston History

Various locations

For Texas history, Gonzalez recommends the Sam Houston Memorial Museum to learn about the man who led Texas to its independence from Mexico in 1836 and was a key political figure in the state.

Ebon Robinson '01S (MBA)

Like Burger, Robinson is on his second tour of Houston, having arrived last year after spending four years in Brazil with Chevron, where he's business finance manager.

Houston has the kinds of opportunities in energy and finance that Robinson was looking for when he enrolled at the Simon Business School.

"Simon didn't offer this as a concentration, but they saw potential in it, gave me a scholarship, and believed in me," he says. "I'm forever grateful." He also knew of Rochester through his grandfather, **Harry Bray '38**, one of the University's earliest African American graduates.

When Robinson isn't spending time at home, he and his family can be found at their favorite Houston locales.

I Houston Zoo

6200 Hermann Park Dr.

Robinson recommends taking the zoo's night tour, when the temperatures are much cooler. Consider signing up for an Animal Encounter, too, and interact with sloths, reptiles, and big cats or take a zookeeper-guided walk with a dingo or cheetah.

J Buffalo Bayou Park

105 Sabine St.

Plan your visit with an eye on the weather, says Robinson, but for him and many others, Buffalo Bayou Park—a 160-acre urban green space—is an ideal place to get back to nature. The park offers trails for walking, running, and cycling as well as public art spaces and places to picnic and play.

NASA

NASA Pkwy.

Serving as the training base for astronauts like **Josh Cassada '00** (PhD), NASA's Lyndon B. Johnson Space Center is a hub for human spaceflight.

The public can visit Space Center Houston, NASA's official visitor center and a Smithsonian affiliate. A space buff himself, Robinson regularly wears an Omega Speedmaster Moonwatch—the same model that has been a part of six lunar missions. **R**



Houston Regional Network

Houston is home to one of the University's regional networks, which offer alumni, students, parents, and friends opportunities for networking and volunteering.

Providing ways to engage with other members of the University community, the networks organize social events and outings, help welcome new alumni to an area, interview and mentor students, and serve as social media ambassadors.

For more information on activities and programs in Houston, visit [Facebook.com/groups/URHouston/](https://www.facebook.com/groups/URHouston/).

- 856** alumni
- 105** current parents
- 116** students
- 43** volunteers

Alumni by School

- 322** School of Arts & Sciences
- 149** Hajim School of Engineering & Applied Sciences
- 135** School of Medicine and Dentistry
- 114** Eastman School of Music
- 101** Simon Business School
- 29** School of Nursing
- 18** Warner School of Education
- 11** Eastman Institute for Oral Health

Regional Networks and You

Based in metropolitan and geographic areas across the United States and internationally, the University's regional networks organize social events, networking opportunities, and community service projects for alumni, parents, students, and friends close to home. For more information, visit [Rochester.edu/alumni/regional-network](https://www.rochester.edu/alumni/regional-network).

ALBION W. TOURGEE,
Attorney,
AND
U. S. PENSION AGENT.

Raleigh, N. C.,

(3)

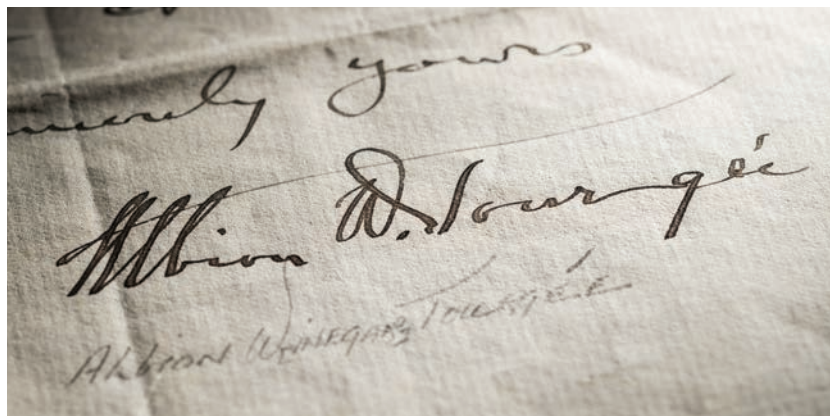
1876.

I have by no means forgotten to be grateful for the influences of Rochester University upon my life — not that it made much of the life but a school, like a manufacturing establishment should be judged by its effect upon the value of the raw material — I shall ever have a kindly feeling for the institution and, if my boys were not all girls, should look forward to a representation among its classes. Indeed I have not yet relinquished hope in that direction yet.

As you may see we have removed to the capital of the state but could not bring our minds to relinquish our beautiful home at Greensboro. I have no idea we shall ever get back to it or find another so charming but happiness and beauty are very unsubstantial things when compared with greenbacks.

Mrs. J. — maintains her wonted ascendancy over me, and directs me to include her in the kindly regards which I send to yourself and wife. — Allow me to say, that I regretted to see in your letter the sentiment that your years of usefulness were fast passing away. I think they are but just beginning — being yearly multiplied in the lives you have moulded —

For a
UNION
'BETTER
than it
was,'



Long forgotten, Albion Tourgée, Class of 1862, is attracting renewed attention for his work for racial equality in the post-Civil War South.

By Karen McCally '02 (PhD)

Albion Tourgée: Life and Times

1838

Albion Tourgée is born in Williamsfield, Ohio, part of the Western Reserve and a center of abolitionist sentiment.

1856

Tourgée enrolls in Kingsville Academy. He meets **Emma Kilbourne**, a fellow student, whom he later marries.

1859

Tourgée moves to **Rochester** and begins his studies at the University.

1860

With the presidential campaign under way, Emma writes to Albion that she has become “a committed Lincoln girl” and has come to support the Wide Awakes, a movement of young Radical Republicans advocating racial equality and a thorough remaking of Southern society. Tourgée, having eschewed politics until this point, organizes the **University of Rochester Wide Awakes**, over the objections of President Martin Anderson.

Abraham Lincoln is elected president in November. In the next three months, seven Southern states secede from the United States.

1861

The **Confederate States of America** are established, with Jefferson Davis as president; Lincoln is inaugurated president of the United States; Confederates fire on a federal garrison at Fort Sumter, launching the Civil War.

Following the attack on Fort Sumter, **President Anderson** delivers an impassioned address at the First Baptist Church, with Tourgée present, calling upon students to support the Union cause. Tourgée decides to enlist and joins the 27th New York Volunteers. In July, he sustains a back injury at the **First Battle of Bull Run**, from which he never fully recovers. A month later, declared unfit for duty, he returns to Kingsville, Ohio.

1862

Tourgée is granted a bachelor's degree from Rochester, as customary for students who left the University to serve in the military. He begins to study law in Ashtabula, Ohio, and simultaneously recruits for an Ohio volunteer regiment. In August, he joins the **105th Ohio Volunteers** and returns to war. During their march to Kentucky, the unit is joined and assisted by African



BETTER UNION: Troubled by the racism he saw while serving in Union regiments, after the war Tourgée (left) returned to the South, where he advocated for racial equality as a business owner, writer, attorney, and judge.

In the summer of 1905, a group of black intellectuals led by W. E. B. Du Bois gathered in Niagara Falls, Ontario, with the intention of launching a movement for racial equality in the United States. Near the splendor of the Canadian falls, where the group found lodging, they made plans for the “mighty current” of protest ahead. On Thanksgiving Day that same year, they sponsored nationwide memorial services for three “friends of freedom”: William Lloyd Garrison, Frederick Douglass, and Albion Tourgée.

Garrison holds a secure place in American history as a pioneering white abolitionist. Douglass, as an escaped slave who rose to international fame as an abolitionist leader, writer, and orator, enjoys much greater renown. But who was Albion Tourgée?

Tourgée, who died in early 1905, was “one of the most colorful of Rochester alumni,” University historian Arthur May once wrote. A Civil War veteran who fought at the First Battle of Bull Run,

Tourgée migrated south after the war as part of a larger movement of northerners who sought both economic opportunities and a chance to help transform the region from a slaveholding to a “free labor” society. As a North Carolina attorney and judge allied with the self-described Radical Republicans, he worked to forge political alliances between blacks and poor whites and became a frequent target of a new and rapidly expanding white supremacist organization called the Ku Klux Klan.

When the Radical Republican vision for Reconstruction failed in the late 1870s, he turned to writing. His 1879 novel *A Fool's Errand*, which featured graphic depictions of Klan violence, sold an estimated 200,000 copies—making it a bestseller at the time—and invited widespread comparisons to Harriet Beecher Stowe's *Uncle Tom's Cabin*. By that time a household name, Tourgée found support among black journalists and political leaders who recruited him to help draft the nation's first antilynching law. Then, at the tail end of his career,

CLASS CORRESPONDENT: In letters (preceding pages) to the University's first president, Martin Anderson, Tourgée recounted the often harrowing challenges he and others faced in advocating for equality after the Civil War.

a black civic organization in New Orleans sought him out as the lead attorney for Homer Plessy—the mixed-race shoemaker who became one of the most famous plaintiffs in Supreme Court history when the court ruled against him in the 1896 case *Plessy v. Ferguson*, enshrining the infamous “separate but equal” doctrine in American law.

Tourgée is an obscure figure in American history, considering the breadth of his work and his fame in his prime. College students were once introduced to Tourgée through *A Fool’s Errand*. Larry Hudson, a professor of history at Rochester who specializes in African American history and teaches on the Civil War and Reconstruction, says “back in the early 1980s, [the book] was a really big deal. But the turn to black studies, and the search for black sources, was gathering steam.” Writings by people like Harriet Jacobs, a former slave, or Charlotte Forten Grimké, a free-black activist who taught in the South, began to take center stage in what Hudson calls “a crammed ‘must-read’ list.”

Tourgée was also on the losing side of almost every major battle he waged. History’s losers are often forgotten, and for a long time, that was true in Tourgée’s case. But more recently, his losses seem only to have enhanced his reputation.

Since roughly the early 2000s, Tourgée’s ideas have been parsed in books and dissected at conferences. One biographer has credited him with forging a doctrine of color-blind law. Another has pointed to the unusual depth of his commitment as a white ally to African Americans.

As Americans continue to grapple with race and its implications, Tourgée’s arguments in *Plessy* seem especially forward-looking. Pointing to his fair-skinned client, he underscored the indeterminacy of race. In explaining the function of racial segregation, he seemed to anticipate 21st-century descriptions of white privilege.

Those closer to his boyhood hometown of Kingsville, Ohio, have also taken note. In 2015, residents and students and faculty at Kent State University-Ashtabula secured a historical marker outside Tourgée’s boyhood home to honor the local hero who risked his life working to write civil rights into law in the post-Civil War South. Before the group began the effort, few people in the town had ever heard Tourgée’s name.

Born in 1838 in Williamsville, Ohio, Albion Winegar Tourgée grew up in an area that was a center of abolitionist thought and agitation. But his own political awakening began in Rochester, during the heated election season of 1860, and later, as a Union soldier in the South.

Like many young men en route to higher education, Tourgée emerged from his teens with his sights set on the nation’s oldest and most established institution, Harvard. To attend, he needed familial support. From his father, with whom he had a contentious relationship, he didn’t receive it. In the fall of 1859, he enrolled instead at the University of Rochester.

The University was founded in 1850 during a surge in higher education. It was the first higher education institution to grace a city that had been growing and thriving since the Erie Canal’s completion in 1825 established it as the nation’s first boomtown. The City of Rochester was already an intellectual center, with Douglass, who published his newspaper downtown, part of a nexus of abolitionists and supporters of women’s rights who frequented the city and drew large crowds to their lectures at the majestic Corinthian Hall. Located in the United States Hotel building on Buffalo Street (now West Main), just around the corner from the hall, the University was at the epicenter of the city’s vibrant intellectual life.

Tourgée dove into his new college life, joining the fraternity Psi Upsilon and the chess club. Faced

with the choice of two popular literary societies—the Delphic (serving “Wisdom and Reason”) and the Pythonian Society (serving “The Beautiful and the Good”)—he chose the latter. In his role as class poet, he demonstrated the talents for writing and oratory that would propel him forward in his civic and literary career.

Early on, he attracted the notice of President Martin Anderson. When Tourgée aced the Greek portion of his entrance exam, Anderson, an adamant proponent of the Classical curriculum, granted him sophomore status. But Anderson was less pleased when Tourgée founded the University of Rochester Wide Awakes in the fall of 1860.

The Wide Awake movement, which began earlier that year, attracted young and militant voters

through its signature torchlit marches for the cause of abolition, the Republican Party, and Abraham Lincoln’s candidacy. Chapters spread in towns throughout the Northeast and in places like Ohio, where Tourgée’s fiancée, Emma Kilbourne, greeted the Wide Awakes with enthusiasm. Tourgée had shown little interest in politics up until that point, but was likely influenced by Kilbourne, as well as Anderson’s recent decision to ban political clubs from the University. In an early indication of the principled contrarianism that would help define his career, Tourgée responded to the ban by founding a University chapter of the Wide Awakes and recruiting some 70 members. After Anderson brought a police officer to confront the



FREEDOM’S FRIEND: In 1905, black intellectuals led by W. E. B. Du Bois (above) memorialized Tourgée as a “friend of freedom.”

Americans who are later rounded up as suspected fugitives. Working and living alongside African Americans, and witnessing the institution of slavery, Tourgée is radicalized.

1863

On January 1, Lincoln signs the **Emancipation Proclamation**, declaring that all slaves in Confederate states shall be, from then forward, “forever free.” Later that month, Tourgée writes in a letter to his brothers in Psi Upsilon, “I don’t care a rag for ‘the Union as it was.’ I want and fight for the Union ‘better than it was.’” At a time when many northerners still saw the war as a fight to restore the Union, Tourgée places himself firmly with the **Radical Republicans**. During a brief break in his military service, Albion and Emma marry.

1864

Tourgée completes his legal training and is admitted to the Ohio bar.

1865

The Confederacy surrenders in April; five days later, Lincoln is assassinated. In December, the **Thirteenth Amendment**, abolishing slavery, is ratified.

Albion and Emma move to **Greensboro, North Carolina**, a Quaker stronghold and center of loyalist sentiment throughout the war. Tourgée and two Rochester classmates invest in a nursery and hire local black workers. Albion and Emma hold lessons for the workers, making the business double as a school. Meanwhile, Tourgée establishes a legal practice.

1866

Tourgée is elected by an interracial gathering of Radical Republicans to become a delegate to the Radical Republican-sponsored **Southern Loyalist Convention** in Philadelphia. The convention, which draws Frederick Douglass among other well-known activists, is designed to rally opposition to Reconstruction proposals that would restore power to former Confederate leaders. Tourgée addresses the convention and earns renown for his powerful convictions and oratory. Delegates choose him to pursue a speaking tour of the North to rouse public support.

1867

Congress passes the **Reconstruction Act** over President Andrew Johnson’s veto, placing the former Confederate states under military occupation until they meet conditions for readmittance. Among

the conditions is ratification of the Fourteenth Amendment to the Constitution.

1868

In January, Tourgée travels to Raleigh to attend the **North Carolina State Constitutional Convention** as a delegate—at age 29, the gathering's youngest. He holds the floor for more than an hour, declaring "there is no color before the law." Elected to a six-year term as Superior Court judge for North Carolina's 7th District, Tourgée becomes a target of the Ku Klux Klan.

In July, the **Fourteenth Amendment** is ratified, granting "equal protection of the laws" to all citizens, and prohibiting states from infringing on citizenship rights.

1869

The Tourgées adopt **Adaline Patillo**, a 13-year-old former slave. The following year, Emma gives birth to a daughter, **Aimee**.

1870

Two years into his term as **Superior Court judge**, Tourgée writes to Anderson, "You have no idea, you can have none, of the wholesale demoralization of our society." He describes "12 murders, 9 rapes, 11 arsons, 6 men castrated," among other crimes attributed to the KKK. "No one has ever been convicted for any of these offenses, and probably never will be."

1876

In a close presidential election held amidst economic depression and Democratic resurgence, **Republican Rutherford Hayes** and **Democrat Samuel Tilden** both declare victory. Hayes is declared the winner after Republicans agree to abandon efforts to oppose segregation and withdraw all federal troops from the South.

1879

After several years of conservative resurgence, Tourgée turns to writing, publishing ***A Fool's Errand***. The novel is a barely disguised autobiographical account of his experiences in the post-Civil War South and includes graphic depictions of violence by the KKK. A bestseller and a subject of national discussion, the book is compared to Harriet Beecher Stowe's 1852 novel *Uncle Tom's Cabin*, widely credited with awakening Northern sentiment against slavery.

1880

The University recognizes Tourgée with an **honorary degree**.

group, Tourgée and the other members agreed to drop the University of Rochester from their name.

Anderson wasn't unusual among antislavery northerners in his wariness toward the showy young activists. He was primarily a nationalist whose interest in preserving the Union outweighed his moral objection to slavery. When Confederate gunmen fired on federal troops at Fort Sumter in April 1861, those disagreements faded into the background. Anderson made an impassioned speech to students in support of the Union cause. Tourgée was among the students who enlisted.

The beginning of Tourgée's military service marked the end of his time at Rochester, though his relationships with Anderson and with his brothers in Psi Upsilon would continue through most of his life. Like other students who interrupted their education to join the war effort, he was granted a degree in absentia, in his case in the spring of 1862.

Tourgée served two tours of duty, the second after he had been severely injured. Barely a month after he joined the 27th New York Volunteers, he suffered a serious spinal wound during the Union retreat from the First Battle of Bull Run. Partially paralyzed, he was ruled unfit for continued military service and returned to Ohio, where he began to study law and served as a Union Army recruiter. When he regained his mobility, he was permitted to re-enlist as a first lieutenant in the 105th Ohio Volunteer Infantry.

There he was deeply influenced by the Western Reserve abolitionists who made up most of the group. His allegiance to abolition—at first abstract and intellectual—became concrete and visceral once he began interacting with African Americans for the first time. The infantry was stationed in Kentucky, where Tourgée witnessed not only slavery, but also the racism that tightly constricted the lives of free blacks. In a January 1863 letter to his Psi Upsilon brothers back at Rochester, Tourgée showed that he had undergone an almost complete transformation in his understanding of the war's aims.

"I don't care a rag for 'the Union as it was,'" he wrote. "I want and fight for the Union 'better than it was.'" Calling for "a thorough and complete revolution and renovation," he argued in favor of a society free not only from slavery, but also from any laws that subjugated black Americans.

Tourgée would be a significant participant in that revolution during the Reconstruction period. After discharge from the military at the end of the war, he returned to Ohio, obtained a license to practice law, and moved with Emma, whom he married in 1863, to Greensboro, North Carolina, an area with a Quaker population and notable loyalist sentiment before the war.

With his moral passion, intellect, and considerable oratorical skills, he rose rapidly in state politics. Once elected to the North Carolina constitutional convention, he became an influential delegate and later, a superior court judge.

He and Emma also worked to found freedmen's schools. One of them operated on a nursery farm

in which Albion and two Rochester classmates, Seneca Kuhn, Class of 1861, and Reuben Pettengill, Class of 1862, had invested. While the three men purchased the nursery as a business venture, the Tourgées' primary interest was turning the nursery into an instrument of black uplift and a model of their shared vision of labor relations. The Tourgées, who hired and taught black workers, found themselves at odds with Kuhn and Pettengill over the workers' conditions of employment.

The business was not doing well. It suffered from its association with Tourgée, who was reviled for his political work outside the Radical Republican circles in which he ran.

A Wilmington, North Carolina, newspaper description of him was typical: "This Tourgée is the meanest looking man it has ever been our misfortune to meet. The pirate; the cutthroat; the despicable, mean, cowardly, crawling, sneaking villain have been portrayed by nature, with a master hand, in every lineament of his countenance. The mark of infamy is stamped indelibly on his brow in the shape of a large protuberance that strikes the beholder with ineffable disgust." Barely a year after the nursery venture began, it dissolved.

Tourgée was a frequent target of the Ku Klux Klan, which was founded in Tennessee at the end of the Civil War and spread rapidly throughout the South. The group was especially active in areas with the strongest alliances between blacks and whites. Threats on his and Emma's lives weighed heavily on the household which by 1870 included their newborn baby girl, Aimee, and a 13-year-old former slave named Adaline Patillo, whom the couple had adopted. Tourgée wrote often to Anderson, expressing his fears and frustrations.

"You have no idea, you can have none, of the wholesale demoralization of our society," he wrote to Anderson in the spring of 1870. "In my district—comprising eight counties—the following crimes have been committed by armed ruffians in disguise—masked and shrouded—during the past 10 months: 12 murders, 9 rapes, 11 arsons, 6 men castrated—and any number of houses broken open and men and women dragged from their beds and beaten or otherwise cruelly outraged. No one has ever been convicted for any of these offenses, and probably never will be."

Tourgée complained bitterly as he witnessed the North's retreat from the vision of racial equality codified into federal law with the ratification of the Fourteenth and Fifteenth Amendments to the Constitution. His darkest predictions came to pass in 1877, when the Republican party agreed to withdraw federal troops from the South and officially end its commitment to enforcing racial equality there. Defeated and demoralized, Tourgée stepped back from political and civic life, and turned to writing.

Between 1879, when he published *A Fool's Errand*, and the end of the 1880s, Tourgée wrote more than 10 works of fiction and nonfiction. The University recognized him with an honorary degree in

1880. Yet the most significant chapter of his civic career was still to come.

The publication of *A Fool's Errand* led to an offer to write a column in the Republican party newspaper the *Chicago Inter Ocean*. In the column, called "A Bystander's Notes," Tourgée railed over the tactics of violence and intimidation used by Southern white leaders to suppress black political participation. The column was distributed widely in the African American press, where its readers included the pioneering journalist and antilynching activist Ida B. Wells.

Lynching was on the rise in the 1880s, and increasingly took place in broad daylight. In the early 1890s, Wells and Harry Smith, editor of the *Cleveland Gazette* and a member of the Ohio state legislature, sought Tourgée's help to draft an antilynching law. Smith shepherded the bill through the Ohio legislature. Signed into law in 1896, it became a model for similar laws in nine other states and for the NAACP in the national antilynching campaign it launched early in the next century.

"A Bystander's Notes" led to another fortuitous collaboration. When the governor of Louisiana signed into law "An Act to promote the comfort of passengers"—mandating "equal but separate accommodations" in railroad cars—a group of men of color in New Orleans came together to form the Citizens' Committee to Test the Constitutionality of the Separate Car Law. "We know we have a friend in you and we know your ability is beyond question," they wrote to Tourgée, asking him to become their lead attorney.

Tourgée and two other attorneys for the committee forged a plan of civil disobedience to set the legal test in motion. Tourgée argued forcefully that the ideal plaintiff would be racially ambiguous in appearance. His colleagues concurred, after which they secured the agreement of Homer Plessy—a mixed-race shoemaker so fair skinned as to easily "pass" for white—to purchase a ticket for intrastate travel and seat himself in a white-designated car. Events unfolded as planned. With a quiet hand from the railway, which had no desire to enforce the new law, Plessy was arrested and charged with violating the state's Separate Car Act.

In just a few years, the case reached the US Supreme Court, where Tourgée challenged the law as a violation of the Fourteenth Amendment's guarantee of equal protection. It was a potential landmark case, because the Fourteenth Amendment, ratified in 1868, was intended to nationalize the Bill of Rights, which until then had prohibited only the federal government from violating basic citizenship rights.

The law had been drafted to ward off constitutional challenges by requiring railway companies to provide equivalent accommodations in its black and white cars. The law's defenders contended that racial separation was designed to enhance the comfort of black as well as white passengers. In arguments before the Court, Tourgée focused on the broader social context of the law. In a society in which "six-sevenths of the population are white,

nineteen-twentieths of the property of the country is owned by white people," and "ninety-nine hundredths of the business opportunities are in the control of white people," he wrote in his brief before the Court, it simply wasn't convincing to maintain that the law was equally intended to serve black customers. Instead, Tourgée argued, the law codified racial hierarchy.

Tourgée devoted great attention to Plessy's mixed heritage—seven-eighths European and one-eighth African, the plaintiff reported—and its implications for efforts to assign people to racial categories. By custom, whites considered Plessy black. But how could any railway operator know for sure? "Is not the question of race, scientifically considered, very often impossible of determination? Is not the question of race, legally considered, one impossible to be determined, in the absence of statutory definition?" he asked the Court. "Justice is pictured blind and her daughter, the Law, ought at least to be color-blind," he wrote.

In the end, only one justice ruled in Plessy's favor.

The Plessy case was Tourgée's most spectacular defeat. Later he and his allies would face criticism for an overly ambitious gamble that set progress back immeasurably by enabling the highest court to place its stamp of approval on segregation.

Tourgée had been well aware of the risks. After he began working with the Citizens' Committee, he helped set up a national organization to document the spread of Jim Crow laws in the South. The hope was that the association, with the help of a sympathetic northern press, would sway public opinion sufficiently to influence just enough justices for a majority.

As it turned out, it would take another half century for the court to declare Jim Crow laws unconstitutional. In 1954, a decades-long legal campaign against segregation waged by the NAACP culminated in the *Brown v. Board of Education* decision. The unanimous decision, in declaring segregation laws unconstitutional, laid waste to Plessy's "separate but equal" doctrine.

Having viewed the Supreme Court of his day as an obstacle to liberty and equality, Tourgée would have been heartened by the decision. But having seen the power of the resistance against racial equality, he would likely have been unsurprised that *Brown* did not, by itself, end segregation or bring about racial equality under law.

The most far-reaching progress toward racial equality came about only after a mass movement. Forged by African Americans, inspired by the Radical Republican vision of Reconstruction, and joined by white allies who were willing as well to risk their lives for racial equality, the civil rights movement of the 1960s could claim concrete steps toward "a Union better than it was."

But as the country continues to struggle with its legacy of racial inequality, the "thorough and complete revolution" that Tourgée longed for still awaits. **R**

1881

Tourgée leaves the South for good. He and Emma relocate to a home in **Mayville, New York**, overlooking Chautauqua Lake.

1888

Tourgée begins a regular column in the Republican newspaper the *Chicago Inter-Ocean* called "**A Bystander's Notes.**" The column is picked up by the African American press, earning Tourgée a national reputation among blacks for his work toward racial equality.

1890

Mississippi passes the first law codifying racial segregation, ushering in a series of so-called **Jim Crow** laws passed in Southern states in the 1890s.

1891

In response to Louisiana's passage of the segregationist **Separate Car Act**, a group of black men in New Orleans organize a legal challenge to the law and retain Tourgée as their lead attorney.

1895

In December, Tourgée delivers a two-hour eulogy for **Frederick Douglass**, who died the previous winter, at Boston's Faneuil Hall.

1896

An antilynching law drafted by Tourgée and introduced by Harry Smith, an African American legislator from Cleveland, is signed into law in Ohio. The most stringent law of its kind in the nation, it becomes a model for other states.

One month later, the Supreme Court decides against Tourgée's client, Homer Plessy, in **Plessy v. Ferguson**. The decision gives constitutional sanction to racial segregation for the next half century. The lone dissenter, Justice John Marshall Harlan, borrows from Tourgée in a now famous dissent, declaring "Our Constitution is color-blind, and neither knows nor tolerates classes among citizens."

1897

President William McKinley appoints Tourgée **US Consul to France**.

1905

Tourgée dies near Bordeaux, France. In November, black leaders under W. E. B. DuBois meet at Niagara Falls, Ontario, and forge what would later become the NAACP. In one of their first actions at the Niagara meeting, the group holds a memorial service for three "Friends of Freedom": abolitionist William Lloyd Garrison, Frederick Douglass, and Tourgée.

KAREN CHANCE MERCURIUS

Connecting the University Community

Rochester's new head of Alumni Relations and Constituent Engagement wants to strengthen connections, opportunities, and networks.

Interview by Kristine Thompson

Defining moments happened early in the life of **Karen Chance Mercurius**. She grew up in Brooklyn, New York, the child of parents who immigrated to the US from Grenada in the 1970s.

As a teenager, she witnessed the 1991 Crown Heights riot. As a young woman, she attended her mother's naturalization ceremony.

Such experiences helped open her eyes to culture, difference, and community. She is bringing a keen focus on inclusivity and belonging to her new role at the University, where she is the associate vice president for Alumni and Constituent Relations. Joining Rochester in March, she has spent the last few months on an extensive listening tour with alumni, parents, community members, and friends, as well as with faculty, students, and staff.

It's a natural step for Chance Mercurius, who has been steeped in higher education for nearly 20 years. She received both a bachelor of arts in international relations and Africana studies and a master of science in organizational dynamics from the University of Pennsylvania. From Fielding Graduate University in Santa Barbara, California, she earned a master of arts in human development and a doctoral degree in organizational development and change. Her most recent position was director of alumni relations at Harvard Law School.

A dedicated alumna and volunteer, Chance Mercurius has served for almost two decades as the gift cochair at the Penn Fund for her class reunion. She is also a member of the Trustees Council for Penn Women, the James Brister Society at the University of Pennsylvania, and the CASE Minority Advancement Institute.

Aligning with Ever Better

This is an amazing institution. When I was doing my research on the University, I learned about its mission

READING LIST

Creating a Culture of Communication

At the top of Chance Mercurius's reading list this summer is *Radical Candor* by Kim Scott, a former manager at Google and Apple. "The book illustrates a new management philosophy, one that I believe in very strongly. The first chapter focuses on how to build radically candid relationships, create a culture of open communication, understand what motivates your team members, and drive results collaboratively."

and focus on Meliora. That concept of "ever better" aligns with me personally and professionally.

I was also drawn to the vision of the Advancement office here. **Tom Farrell** '88, '90W (MS), his leadership team, and the Advancement staff overall have developed and are executing the Rochester Model, which focuses on building a culture of philanthropy and engagement to advance the great work of the University.

Alumni and constituent engagement go hand in hand in this regard. When all of our constituents feel engaged, the University benefits, as do the people, programs, and research that make up this stellar institution. To me, this is noble work.

Grounded and Grateful

I'm particularly grateful for my Caribbean-American heritage and the strong values my parents instilled in me. They underscored the importance of education early on. I attended, and thrived, in New York City public schools, and I went on to earn several advanced degrees as a first-generation college student. I feel as though my personal and professional journey and access to opportunity and education speak to the realization of the American dream.

Impressive First Impressions

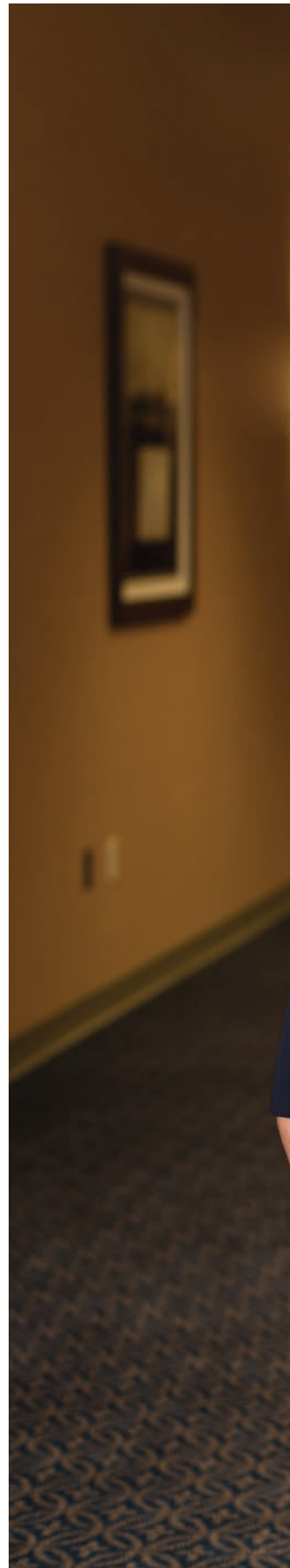
I've heard so many people talk about what the University means to them—and how ties here run deep.

For example, at commencement, I met **Julianne Kapner** '19, who was graduating with a degree in linguistics. Her family proudly includes eight (now nine) Rochester alumni, and five of them came to commencement to celebrate this young woman's graduation.

At an event on the West Coast, I witnessed another connection when Dr. **Sydne Weiner** '65, a radiologist, was talking with Dr. **Caesar Luo** '01, '06M (MD), an ophthalmologist, about a friend with macular degeneration. That friend lived in a retirement community with others who also needed vision care. Sydne asked Caesar if he'd be willing to make a connection with her friend. Not only did that happen, but the two of them ended up creating a vision support group in that retirement community. That's a powerful alumni connection.

These kinds of stories are more than heartwarming. They tell me we have such an important role in shaping people's lives, and doing so in a mission-led way. **®**

ENGAGING PEOPLE: When alumni and friends feel engaged, "the University benefits, as do the people, programs, and research that make up this stellar institution," says Chance Mercurius.





Formulating Early Goals

In my first two months, I've participated in more than 200 meetings and events. I've attended a number of regional programs; talked with alumni, students, and friends; and participated in alumni and affinity group councils and board meetings. It's clear that we have opportunities to build upon our excellent programs, and to help foster new and improved connections.

All of this has helped me formulate some early goals.

I want to enhance and build new programs that align with milestone moments in people's lives—going to college, sending a child to college, having a family, retiring, and other momentous celebrations. We have so much we can offer our alumni, friends, and community as they move through important life stages.

It's important to renew our focus on class and affinity-based engagement and strengthen our approach to diversity and inclusion, too. We've heard from a few communities who want this, including black, Latinx, and LGBTQI alumni, as well as those with ties to groups like WRUR, athletics, fraternities and sororities, and numerous others.

Creating programming specific to certain groups helps to foster and build trust. Our Alumni Board, Diversity Advisory Council, and other volunteer groups are helping us with this. Building inclusive programming helps inform ideas and perspectives that likely wouldn't evolve in a homogeneous environment.

For example, at a dinner in New York City recently, a few black alumni told me about some of their experiences at Rochester and noted ones where they felt different and not included. They felt comfortable sharing those experiences with each other and with me. That's important and can help us be better.

There's an additional opportunity to look at historic milestones and build programming around them, such as the anniversary of the ratification of the 19th Amendment in 2020 and the right to vote.

What did that mean for our country? For the Rochester region, which played such an important role in the suffrage movement? For women? For women of color who still didn't have the right to vote? We want to have these kinds of conversations with our constituents.

I also want to look at how to leverage the academic resources here to offer compelling intellectual content for our communities. This means reimagining our Lifelong Learning program. For example, every summer we offer the Rochester Forum, which is guided by a great advisory council. This year, our goal was to make the event more accessible to more people, so we offered it as a live simulcast—making that rich intellectual content available to a much broader, even global, community. During this fall's Meliora Weekend, we will offer a shorter Rochester Forum with a faculty member, a clinician, and a student musician talking about the new performing arts in medicine program, which is a partnership between the academic and clinical programs of the Medical Center and the Eastman School of Music. My team and I are talking about even more opportunities for our constituents to engage with our faculty. Our growing Meliora Collective is a good example of how we can better connect the University community, grow networks, and support professional exploration, which are important for students, young alumni, and, really, all of us.

We hope to grow our travel club, as well. Anyone with a connection to the University can engage in these transformational learning opportunities. Think Tanzanian migration safari with an alumni conservation expert. Or about adventuring in Spain with a faculty art and history expert.

We want to build on the successful programs for our volunteers, too. That includes more volunteer leadership training and empowering our volunteer leaders as ambassadors.

In order to develop the best programs, we need to know more about our alumni—because every person and voice counts. We'll be sending out an alumni census this fall, which will help inform our plans.

—Karen Chance Mercurius

MADELINE TOPKINS MICHEL '77

Toting a Tony

A drama teacher receives a top accolade for her unconventional and inclusive approach.

By Kathleen McGarvey

When **Madeline Topkins Michel** '77 took the stage at the Tony Awards ceremony in June to receive the 2019 Excellence in Theatre Education Award, she quickly asserted that the award wasn't hers alone—it also belonged to her diverse group of drama students at Monticello High School in Charlottesville, Virginia.

"This award is for all of the students who have found their voice and who speak for themselves, their families, and their community through theater and playwriting," she told the audience at Radio City Music Hall.

Michel heads Monticello's drama department, but she came to theater through a side door. An English major at Rochester, she

But she's ardent about inclusive theater. A drama program should reflect the makeup of a school's student body, but that's not what often happens, she says. "If you have a group of kids who represent the entire school, then what you get on stage is an energy that's completely different from what you find at most schools. Everybody's got a backstory—an interesting backstory—and then everybody learns from everyone else."

As a teacher, she prefers the wings to the spotlight. "I like the kids to take control," she says. She helps them stage, choreograph, and direct works that speak to them. And they craft new plays, too. This summer, Michel was working with two groups, each writing a play that they were aiming to have in production this August.

In the wake of the white nationalist rally in Charlottesville


in 2017, the Monticello drama program staged student Josh St. Hill's one-act, rap-narrative play, *A King's Story*, which examines a community's response to violence. Student Courtney Grooms wrote the play *Necessary Trouble* in 2016, about responses to a high school student attending history class dressed in a shirt printed with the Confederate flag. Last fall, the program performed student Kayla Scott's play *#WhileBlack*, about gentrification and the racial profiling she experienced in her hometown. Monticello brought home awards for the production from the Virginia Theatre Association.

"When my kids do a show that really has an effect on an audience, people come up afterwards to hug the actors and the playwright," says Michel. "These were issues they were thinking about and were disturbed by, but they hadn't seen them dramatized."

The key to creating an inclusive theater program is patience, she says. In her classroom, "all that's expected of you is to do what you're comfortable with. And sometimes it takes a while for people to get comfortable. I have to be willing to let somebody sit in my class and observe for as long as they feel necessary."

Michel says that taking part in drama builds students' confidence and presentation skills, something they can carry with them in any endeavor. But it's not skill building that really motivates Michel or her students.

"It's that sense of meeting people who are different and building community," she says. "Ninth graders are there with 12th graders, and I don't distinguish you by your experience or your reading level or the classes you've had before, or anything like that."

The stage is somewhere everyone belongs, Michel says. In her drama department, "there's no gatekeeping." 



NO DRAMA, PLEASE: Michel says she prefers the wings to the spotlight when it comes to her role as a drama teacher at Monticello High School in Charlottesville, Virginia. "I like the kids to take control."

later earned her teaching certification in math and English and as a reading specialist.

She took a job with the Baltimore school district and discovered that the classroom is an inherently theatrical place. When faced with skeptical or unmotivated students, she made her class dramatically compelling. "Really early on, I realized the value of theater in teaching," she says.

She also coached National History Day teams after joining the staff at Monticello. Students compete by carrying out historical research and presenting their conclusions in the format of their choice. Michel's teams opted for play performance—and when they brought home national gold medals two years in a row, Monticello's principal decided it was high time that Michel taught drama.

Michel is modest and wry about where her career has taken her. "I'm really not a theater person—despite the Tony Award," she laughs.

PAUL TURNER '88 AND HARMIT MALIK '99 (PHD)

What Are You Researching?

Research on disease pathogens earns two graduates membership in the National Academy of Sciences.

Interviews by Lindsey Valich

Two of Rochester's newest members of the National Academy of Sciences are **Paul Turner** '88, the Elihu Professor of Ecology and Evolutionary Biology at Yale University, and **Harmit Malik** '99 (PhD), an investigator at the Howard Hughes Medical Institute and a researcher at the Fred Hutchinson Cancer Research Center in Seattle. They were inducted this year in recognition of their separate work to understand the complex biology of bacteria, viruses, and the genetic arms race within organisms and between organisms and pathogens.

What are you currently working on?

Turner: My group's current research broadly concerns the evolutionary biology of microbes, especially bacteriophages—viruses that kill bacteria—and mosquito-borne viruses that can infect humans.

I am fascinated by the potential of viruses to overcome environmental challenges, including their ability to “emerge” by adaptively shifting from their original host species onto a novel host, such as humans. It remains challenging to accurately predict when and where virus emergence will occur next, and a main goal of our work is to refine the predictive power of evolutionary biology.

Malik: I study conflicts that occur in our genomes as different genetic entities try to maximize their evolutionary success. My team and I use *Drosophila* (fruit flies) as a model organism to study centromeres, which are crucial for chromosomal stability during cell division; mobile genetic elements, a type of selfish genetic elements (see story on page 21), which can impact host fitness and genome organization; and proteins that evolve rapidly due to their involvement in host-parasite interactions.

What interested you in this career path?

Turner: I greatly benefited from Rochester's requirement that undergrad majors in biology should meet regularly with faculty in the discipline. I was able to express my interest and enthusiasm for the subjects of ecology and evolutionary biology, in discussions with my mentors Andrew Dobson and John Jaenike.

Malik: I first became interested in this concept by reading Richard Dawkins's book *The Selfish Gene*. Having the benefit of complete ignorance in biology, I decided that this concept was worthy of a lifetime of study.



BETTER BIOLOGY: Malik (above) and Turner (below) each run research programs to better understand the biology of bacteria and viruses and how the pathogens affect organisms.




What did you study at Rochester?

Turner: I entered the University in 1984 with the expectation of obtaining a bachelor's degree in biomedical engineering. However, I took courses in other disciplines, and by the time I entered my junior year I became convinced I should focus my studies on biology, which was my favorite subject since childhood. In particular, I was intrigued by courses in biodiversity, ecology, and evolutionary biology offered by the terrifically inspiring professors in the biological sciences.

Malik: I trained previously as a chemical engineer but became interested in selfish DNA. During my PhD studies in Tom Eickbush's lab, I studied both the molecular biology and evolution of retrotransposons (“jumping genes”). One of the best things about doing PhD studies in a relatively small department was the very close relationships formed with many professors.

What are some future directions for your work?

Turner: My research increasingly focuses on the rise of antibiotic resistance, where it is evident that these drugs are often no longer capable of usefully controlling bacterial diseases. One possibility is to turn our attention to an old idea called “phage therapy,” where bacteriophages are utilized alone or in combination with chemical antibiotics to target and kill bacteria.

Malik: I am fascinated by how pervasive genetic conflicts are and how they have shaped and continue to shape fundamental aspects of our biology. My lab is currently captivated by the (still unproven) concept that we can use past history of adaptation to design novel genes that might give us a leg up over our most insidious pathogens. 

RUTH LAWRENCE '49M (MD)

A Lifetime as a Leader

A trailblazing pediatrician, a Medical Center physician says she “hit the jackpot” in life.

Ruth Lawrence '49M (MD) is a pediatrician, clinical toxicologist, neonatologist, and mother of nine. At 95 years old, she can be still found in her Medical Center office three days a week, clad in one of her many white coats and conducting research, advising staff, or preparing for her next classroom lecture.

Lawrence has had a formidable career, shattering her share of glass ceilings along the way. She holds the titles of Alumna Professor of Pediatrics and Obstetrics/Gynecology and the Northumberland Trust Professorship in Pediatrics. She was also the medical director of the Ruth A. Lawrence Poison and Drug Information Center, which she founded in 1958, the second poison center in the country and the first to answer calls from the public.

An international authority on breastfeeding, she serves as the director of the Breastfeeding and Human Lactation Study Center, which she founded in 1985. Additionally, she helped create Rochester's first Neonatal and Pediatric Intensive Care Units. Originally published in 1980, her textbook, *Breastfeeding: A Guide for the Medical Profession*, has become the gold-standard reference for the scientific understanding of human lactation and clinical breastfeeding practices. She and her son **Rob** '73, also a pediatrician, are working on the ninth edition of the book.

My childhood

I grew up during the Depression, one of four kids. My father died when we were young, and my mother raised us by herself. We lived in Westchester County, in a rented house with a thatched roof. I didn't go to school until I was seven years old. That's about the time my mom got a job as a tennis coach at Scarborough Prep, a private high school in town. I ended up going there for my junior and seniors years, on scholarship.

My college days

I was offered scholarships to Radcliffe and Smith. The dean at Scarborough wanted me to go to Antioch College in Ohio, though. No one from Scarborough had gone there yet. Horace Mann, an education reformer, founded the college, which was among the first to welcome women.

Every semester, you took classes and you got a job. At Chrysler in Detroit, I did secret government research on the oils and greases used in our planes that were bombing Berlin. Later, I worked for Ciba, a pharmaceutical house in Summit, New Jersey, where

I researched medications and conducted some of the earliest experiments on antihistamines.

My acceptance to medical school

During my final semester at Antioch, I applied to 10 medical schools. Many didn't want women back then. Rochester was the first one to respond. I got a letter that said, “You must come for an interview. Time and money should be no object.” It was handwritten by George Whipple, the first dean of the medical school. You couldn't get into Rochester unless Dean Whipple said so.



NEWBORN WISDOM: An internationally recognized pediatrician, Lawrence is widely considered a leading authority on the benefits of breastfeeding and other nutritional issues for newborns.

My residency

My fiancé, **Bob** '49M (MD)—whom I'd met at medical school—and I were waiting to hear where our residency applications had been accepted. I had several offers, but Bob's paperwork got all messed up. One day, while we were still to see what our opportunities were, Dean Whipple marched me into his office. He said that the head of Yale University Hospital in New Haven was on the phone and wanted to know why I hadn't responded to its offer. The man from Yale said to me, very pointedly, “We have given you a job and we'd like your answer now.” Of course, I said yes. Bob ended up staying in Rochester for his residency.

My early career

Bob and I had plans to marry on July 8, 1950. We even had our wedding bands engraved with that date. But then the Army called and

ordered him to California for training on July 5. So, we had to change everything very quickly and got married on July 4 instead.

Following the wedding, I went back to my residency at Yale, and Bob went to Korea. With so many men being shipped off to war, they offered me a good job. I was pregnant at the time, and I would have my first child by myself in New Haven. In those days, being married and having a baby and a job was an entirely new concept.

I ended up working in New Haven in the rooming-in unit for mothers and their newborns. This was where I learned all about taking care of babies. I breastfed my baby, Rob, too, and I realized how important it was. That's when I started helping other mothers.

Around that time, Dr. Bill Bradford, the chair of pediatrics and an associate dean, asked me to run the well-baby and the preemie nursery at the hospital. It was unusual for a woman to have a job like this, but I had the experience. We took care of a lot of sick babies back then. One time, with the help of my husband who was an anesthesiologist, we saved a baby's life by putting him on a ventilator. It was the first time this was ever done.

My children

My first and second children are about five years apart and the rest are separated by about 18 months to two years. They are Rob '73, **Barbara** '81M (MD), Tim, Kathleen, David, Mary Alice, Joan, John, and Stephen. They've pursued lives in medicine, business, academics, and more. We lost our number eight child, John, to cancer when he was in his 40s. He was a brilliant writer.

Sometimes people ask me how I did it, raising nine kids. I breastfed them all, too. I tell them "If you're going to cook dinner, you might as well cook a lot of it."

My life now

As I work on the ninth edition of *Breastfeeding: A Guide for the Medical Profession*, my dining room table is chock full of research and stacks of papers. I can't even use the table anymore and so I eat in the kitchen.

If I'm not writing or at the office, I do like to garden, but it's not as easy as it used to be. I have a little cart that has big wheels on it. You can just ride on it and pull up the weeds.

My proudest moment

Marrying my husband. We were married 59 years before he passed away. I hit the jackpot there—no question about it. 📍

—AS TOLD TO KRISTINE THOMPSON



CAPTURING THE CARILLON: Alex Johnson '19—shown here on a practice keyboard at Rochester—won a top international competition this spring.

IN THE NEWS

Graduate Wins the 'Olympics' of the Carillon

Alex Johnson '19 has gone from being a complete novice at the carillon to winning one of the instrument's top competitions—a journey that began with taking a tour of the River Campus as a high school student just a few years ago.

Johnson, who graduated in May, took the top prize this summer at the international Queen Fabiola Carillon Competition, an event held every five years at the Royal Carillon School in Mechlin, Belgium.

Doris Aman, Johnson's former mentor and coordinator of the University's Carillon Society, describes the competition as the equivalent of top global competitions in violin or piano, or the Olympics in athletics.

One of 16 candidates—from Australia to Russia and the United States—who registered for the competition, Johnson is studying at the Royal Carillon School this year on a Belgian-American Educational Foundation fellowship.

While at Rochester, the Coppell, Texas, native and physics major mentored and played in the Carillon Society, was a member of ensembles with the Department of Music and the Eastman School of Music, and won the University's 2019 Charles Zettek Carillon Composition Award.

Presidential People

Julie White '13W (PhD), most recently a senior vice president at Onondaga Community College in Syracuse, has been named president of Pierce College Fort Steilacoom in Lakewood, Washington. With about 16,000 students, Pierce College operates two campuses at Fort Steilacoom and at Puyallup, along with a teaching center and a campus at an area high school. Pierce College Fort Steilacoom was recently named one of the Top 10 community colleges in the nation by the Aspen Institute. White began her appointment this summer. . . In other presidential news, **Daan Braveman** '69 has announced that he will step down as the chief executive at Nazareth College in Pittsford, New York, in June 2020. He's finishing his 15th year as president, the longest serving president in Nazareth's history.

'Bat Out of Hell' Lands in New York

A Broadway-style musical that has starred **Andrew Polec** '12 since its first production two years ago roars into New York City late this summer. Developed by Jim Steinman, who wrote the music and lyrics for Meat Loaf's late-1970s album, *Bat Out of Hell*, the stage production of *Bat Out of Hell: The Musical* was scheduled to run through September 8 at New York City Center. Playing the role of Strat, the leader of a gang trying to survive in a postapocalyptic world, Polec has been with the production since its first performances in Great Britain in 2017. 📍

Class Notes



HOMECOMING DANCE: Members of Radiance Dance Theatre perform in Wilson Commons during homecoming weekend in 1994. That year, the weekend doubled as the inauguration of Thomas H. Jackson as University president. Rochester's new president, Sarah C. Mangelsdorf, will be formally invested as president on October 4 during Meliora Weekend. Recognize anyone in the photo? Send us a note at rochrev@rochester.edu.

College

ARTS, SCIENCES & ENGINEERING

1945 Evelyn (Evvie) Meyers

Currie '46E died in June, her daughter, Meg Currie, writes. After graduation, Evvie married **Robert Currie Jr.**, taught vocal music, and was a choral director at all levels from kindergarten through college during 30 years of teaching. An active volunteer for the University, Evvie received the Reunion Volunteer Service Award in 2005, having served as chair of the Class of 1945 Reunions every five years since her graduation. She chaired the 70th reunion when she was 91. Evvie also volunteered in her local community. A longtime member of the American Association of University Women, she was for two years president of the Schenectady Branch and for two years the association's New York State president. She was also a volunteer usher at the Saratoga Performing Arts Center for 30 years and a member of the Board of Directors of the National Women's Hall of Fame in Seneca Falls, New York.

1952 Tyrone Martin, retired from the Navy, has been awarded the Commodore Dudley W. Knox Medal for Lifetime Achievement in Naval History by the Naval Historical Foundation in Washington, DC. The author of six books and about 200 articles to date, he is the creator of the website *The Captain's Clerk*, which has been selected for inclusion in the permanent electronic archive of the Library of Congress. He was also technical advisor and on-screen interviewee for the award-winning, 35-part History Channel series *The Great Ships*. He holds the title of Distinguished Overseer of the USS *Constitution* Museum, where his research is cited as foundational to the facility's mission.

1954 Leona (Frosty) Frost Hess '55N died in May in Arkansas, writes her son Jonathan. She was married to **Carroll (Chuck) Hess** '56M (MD), who died in 2002. Jonathan writes that Frosty and Chuck met at Rochester, and that Frosty "wanted me to make sure that her nickname 'Frosty' and my dad's nick-

name 'Chuck' were mentioned—that is how classmates knew them." In addition to Jonathan, she is survived by five children, including **Thomas Hess** '82.

1958 John Rathbone writes, "It is with a heavy and devastated heart that I am reporting the passing of dear friend and classmate Char Drotning." **Char Dorwald Drotning** died in Ohio in April. She and **John Drotning**, who died in 2009, had four children. Char enjoyed sailing, fly fishing, birding, travel, church, bridge, and volunteering.

MEDALLION REUNION OCTOBER 3-6

Rochester.edu/alumni/class/1959

1959 Daniel Botkin was selected as top environmental scientist of the year for 2019 by the International Association of Top Professionals for his outstanding leadership, dedication, and contributions to environmental conservation. Daniel, a professor emeritus of the Department of Ecology, Evolution and Marine Biology at the University of California, Santa Barbara, and a

former adjunct professor in the biology department at the University of Miami, Florida, is a speaker, presenter, lecturer, journalist, and published author.

1961 Lynn Selke '65 (PhD) and **Sharon Whipple Selke** '64, '64N celebrated their 56th wedding anniversary this summer. Lynn retired from Kodak in 1991, and Sharon retired from part-time nursing. They live in Fairport, near Rochester, and have two children and two grandchildren. Lynn still plays regularly in the University's wind symphony and brass choir. He writes that he

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

and Sharon have fond memories of time spent at the Theta Delta Chi house. They send a photo taken in May 1961 after the military review in Fauver Stadium, at which Lynn commanded the winning NROTC company. . . . **Bill Anderson '57** writes that **Garrett Smith** died last February in Connecticut. After graduation, Garrett earned two master's degrees, one from Harvard and one from Columbia, and served in the Air Force, specializing in linguistics. Among other career positions, Garrett worked at Citibank in the Foreign Service office in Japan, was a professor at Barnard College, and was the first county recycling coordinator in the US.

1962 Roger Nelson published *Connected: The Emergence of Global Consciousness* (ICRL Press) in 2019 and, with Georg Kindel, *Der Welt-Geist: Wie wir alle miteinander verbunden sind (The World Spirit: How We Are All Connected)* in 2018. The books describe the Global Consciousness Project, a 20-year research program, and other recent scientific work on human consciousness.

1963 Bob Sylvester (see '68 Warner).

MEDALLION REUNION OCTOBER 3-6

Rochester.edu/alumni/class/1964

1964 Phyllis Lyons published an English translation of the novel *In Black and White* (Columbia University Press), by one of Japan's leading modern writers, Tanizaki Junichiro. In 2018 she was awarded the Order of the Rising Sun by the Japanese government for her contributions to developing Japanese studies and promoting knowledge of Japanese culture during her 38 years at Northwestern University, where she is professor emerita of Japanese language and literature. . . . **Judith Lehman Ruderman '66W (MA)** writes that she published her fifth book, *Passing Fancies in Jewish American Literature and Culture* (Indiana University Press), in January. She is a visiting scholar of English at Duke University and the winner of the 2017 Harry T. Moore Award for lifelong contributions to D. H. Lawrence studies. . . . **Sharon Whipple Selke '64N** (see '61).

1965 Barry Libin published his second novel, *The Vatican's Vault* (Milford House Press), in February.



1961 Selke



1968 Wetschler

Barry is chairman and CEO of Sustained Nano Systems.

1966 Harrington (Kit) Crissey Jr. writes: "I had an article entitled 'A Concert to Remember' in the February 2019 issue of the *Journal of the Association of Concert Bands*. It was about hearing the Eastman Wind Ensemble under **Frederick Fennell '37E, '39E (MS)** give a performance in my hometown of Troy, New York, in April 1959, when I was a high school freshman. That concert not only made me a devotee of wind music in general and band music in particular—it filled me with a strong desire to be part of the University of Rochester scene. One of the trumpet players that day was **John Landis '62E**. At my invitation, he journeyed to Laureldale, Pennsylvania, a suburb of Reading, in March of this year to give a presentation on what it was like to be part of the wind ensemble under Fennell's direction. The presentation was part of a sym-

posium on band history and repertoire called the East Coast Band Conference. I started the symposium in 2010 and still have a hand in managing it."

1967 Mariana Marcovici Grinblat writes: "I was written about in the University of Toronto, Canada, alumni magazine for engineers. This was an unexpected honor, though I am an active alumnus. I was president of the Ontario Industrial Hygiene Association. My late husband was quite ill and we had young children when I went back to school at age 38 to get my second master's degree. I am now happily retired with six grandkids and enjoying life very much in Toronto." . . . **Leslie Dean Kucerak** died in May. Her daughter, **Michele Kucerak Stolberg '91, '97W (MS)** writes that her mother was a "proud member of the Class of 1967."

1968 Louis-Jack Pozner writes

to say that his grandson, **Miller Hickman '22**, from Summit, New Jersey, "made dean's list in 2018-19, his freshman year, far exceeding his grandfather's achievements at U of R." . . . **Ed Wetschler** received the 2019 Marcia Vickery-Wallace Memorial Award for excellence in travel journalism at a June ceremony in New York City for his reviews and reporting on trends in the Caribbean. "I don't know how much longer I can keep this pace up," he writes, "but I'm happy to ride this wave as far as I can." Ed, who has twice won the Caribbean Tourism Organization's Inner Circle King award, is a contributing editor for the travel publication *Recommend* magazine and has written for various other travel media outlets. Ed sends a photograph from the ceremony in which Donovan White (right), director of the Jamaica Tourist Board, presents him the award.

50TH REUNION • OCTOBER 3-6 Rochester.edu/alumni/class/1969

1969 As part of their milestone 50th reunion, members of the Class of 1969 have been working on a "Memory Book" that will be distributed during reunion activities at Meliora Weekend. For a sample of the kinds of memories the book will include, see pages 50 and 51. . . .

Daan Braveman will retire as president of Nazareth College in June 2020. Before joining Nazareth, he was with Syracuse University, first as a faculty member in the College of Law. He was then appointed associate dean for academic affairs in 1989 and associate dean for administration in 1992 before becoming dean in 1994. He stepped down from the dean's position in 2002 to return to teaching. In 2005, he was named Nazareth College's ninth president. . . . **Clyde (Louis) Putallaz** (see '75 Graduate).

1970 Nancy Heller Cohen '70N writes: "I was thrilled to attend Malice Domestic in May and receive a certificate as an Agatha Award nominee for *Writing the Cozy Mystery: Expanded Second Edition* (Orange Grove Press). I also participated in the Florida Library Association conference along with members of the Florida Chapter of Mystery Writers of America." . . . **James DeTar** (see '00). . . . **Angela Longo** has published *Dr. Angela Longo's Quantum Wave Living*

CONTINUED ON PAGE 46

CLASS OF 1969

What are some of your favorite memories of the University?

In preparation for each fall's 50th reunion, members of the milestone class are asked to submit updates and recall campus memories for an annual Memory Book that's shared with members of the class.

Here's a small selection of some memories from the Class of 1969. To find out more, you'll have to attend reunion this fall, which takes place during Meliora Weekend, October 3–6.

For more information, visit Rochester.edu/melioraweekend.

Ruth Balsler

Chestnut Hill, Massachusetts
 "... I spent much of my four years marching for civil rights and peace in Vietnam. I remember the student strike. I remember sitting in against Dow Chemical. I remember standing with a microphone in front of the library, speaking out against the war. And I remember being brought to a student trial for my political activities. In between all that, I remember loving most of my classes, admiring most of my professors, and making wonderful friends."

Phyllis Jo Baunach

Alexandria, Virginia
 "... I cannot forget the endless hours studying, researching, and learning amid the musty

to try new musical approaches and to think on my feet, valuable tools in my career."

Paul Boehm

Concord, Massachusetts
 "... many sweet and lasting memories—five feet of deep snow, getting stranded on the Thruway and overnighing in Canajoharie police station, the great Northeast blackout of '65, music at Hylie Morris's Alley, Phi Epsilon Pi fraternity with amazing friendships, and, of course, I met my wife of 48 years, **Ellen Balzer Boehm** '72, when she was a freshman and I was a senior. Had great roommates along the way—**Bob Lunn, Ron Lepes, John Lloyd, Sonny Wood**. . . . As a five-year chemical engineering major,

Mozart's *Magic Flute* with the Philharmonic Orchestra at the Eastman School of Music, and meeting and working as conference coordinator for some of the most notable physicists in the world, including Edward Teller and Richard Feynman, for the 1968 Rochester International Conference on High Energy Physics. I remember **James Dormer** '68, an upperclassman in my NROTC unit, for his engaging personality as well as his notable fame as New York state diving champion. He was a Bronze Star recipient as a Navy pilot in the Vietnam War and was pursuing a successful career as a flight engineer with Pacific Southwest Airlines, when in September 1978 his Boeing 747 collided with a small aircraft while landing at San Diego International Airport, killing all parties aboard both planes. Soon thereafter, even though the technology had existed for quite some time, the FAA finally demanded that



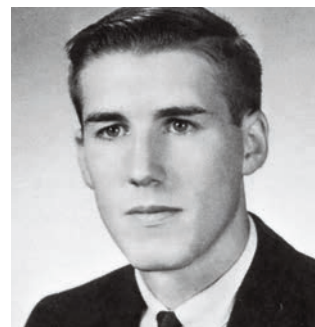
Ruth Balsler



Phyllis Jo Baunach



Paul Boehm



William Eckert



Marion Kristal Goldberg

"I cannot forget the endless hours studying, researching, and learning amid the musty books in the stacks. We did everything by hand!"

books in the stacks. We did everything by hand! But the joys of ideas coming to life and understanding thorny concepts are priceless. Additionally, I cannot forget the joyful hours of Co-Kast rehearsals for student-written and -directed plays, and the thrill of audiences responsive to our efforts. Nor will I ever forget taking voice lessons at the Eastman School of Music and the hours of practicing scales and arias. This discipline gave me confidence

I had one elective to spare, and Ellen said, 'How about oceanography?' So, I enrolled in oceanography with Dr. Taro Takahashi (the famous climate scientist), which awakened my environmental juices, made me feel like Jacques Cousteau, and changed my professional direction."

William Eckert

San Diego
 "... singing with the YellowJackets, performing as a chorus member in

all commercial aircraft install collision warning radars to prevent such disasters. I find it ironic and frustrating that Jim survived horrific risks in the skies over Vietnam, only to fall prey to the negligence and politics of air safety in the relatively friendly skies over the US."

Marion Kristal Goldberg

Chevy Chase, Maryland
 "... two months after graduation, I married my UR boyfriend, **Dan** (then Danny)

Goldberg '68. So 2019 is a double 50-year celebration for us . . . some of my best memories: meeting Dan in the Welles-Brown Room on a study break; living in Towers suites with **Enid Moses Kozlov** (sadly Enid died in 2009), **Mady Fuchs Holzer**, **Ranny Cooper**, **Joan Ross Sorkin**, and **Lynne Spichiger**; hours at the vending machines in the Hill basement and in our Towers suites, immersed in discussions with Enid and my other suite mates; trips to Uncle John's pancake house and Jay's Diner; the original Wegmans; many discussions about the Vietnam War

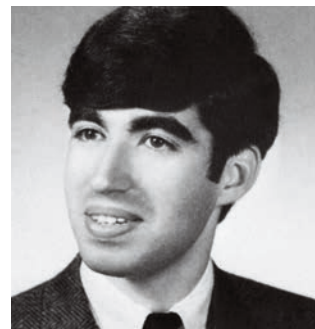
women's trio, the Tritones, in the fall of 1965. Also represented the U of R in the 1966 Miss Rochester Pageant; made the Top Ten. Not so fond memories of 8 a.m. bio labs in mid-winter. So grateful for the tunnels! Also remembering the great blackout in the fall of 1965. What an adventure!"

Lawrence (Larry) Lipman

Wellington, Florida

" . . . **Ronnee Press Lipman** '70 and I were married after a four-year courtship at the U of R. We often tell the story of our first meeting at a U of R dinner in September of 1966, where I was the server

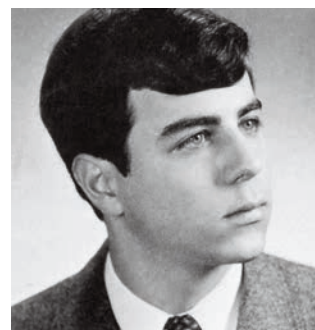
did not help my GPA. Great times were had with my sisters in Theta Eta and I was fortunate to have great roommates all four years. Other memories include the University sponsored "beer blasts," the Susan B. Anthony banquet, sliding down the hill in the snow on a cafeteria tray, and sleeping in the comfy chairs in the library. There were also those wonderful parties, pizza at the Bungalow, concerts at Eastman, hearing **Chuck Mangione** '63E play the flugelhorn in his early days and having Harry Belafonte perform on campus. I was



Steven Goldberg



Elaine Schueler Horton



Lawrence (Larry) Lipman



Farel Vella McClure '70W (Mas)



Joan Ross Sorkin

"Not so fond memories of 8 a.m. bio labs in mid-winter. So grateful for the tunnels! Also remembering the great blackout in the fall of 1965."

and the draft. When I read articles denigrating a liberal arts education, I think of my classes in Spanish, French, history, political science, art history, and literature that have enriched my life and shaped my perspective for more than 50 years. And I am forever grateful for all of it."

Steven Goldberg

Hastings-on-Hudson, New York

" . . . experiencing the first women's dorm, being editor-in-chief of *Interpres*, traying down the Hill, the 1968 picketing as a result of the Dow Chemical recruitment, having some truly amazing professors, and working with the University Planning Committee as one of three students who advised I. M. Pei's architectural firm on the construction of Wilson Commons as the new student union."

Elaine Schueler Horton

Palm Beach Gardens, Florida

" . . . as a freshman, I was honored to be selected by the YellowJackets for their new

for Ronnee's table during her first week on campus. I was wearing new penny loafers without socks, as was then the style, and had developed heel blisters. So, I removed the shoes and served the meal barefoot while joking about it the entire time. Ronnee was so impressed with this witty barefoot waiter that she decided that evening that she would marry me and phoned her mother to tell her so. This June we celebrated our 49th wedding anniversary, so things have generally worked out with us."

Farel Vella McClure '70W (Mas)

Bellevue, Washington

" . . . I truly loved my four undergraduate years at the U of R. In fact, I loved it so much I stayed an extra year to get a master's degree! I was very fortunate to have been totally immersed in student life on campus. My memories include campaigning and winning a seat on the student government my freshman year. This was a fantastic experience, but unfortunately

also privileged to be selected as a student representative on the design team for the new Wilson Commons. I. M. Pei, the famous architect who designed the Louvre Pyramid in Paris and many other famous buildings, was the architect for Wilson Commons. We even visited his offices in New York to see the 'master' at work."

Joan Ross Sorkin

Scarsdale, New York

" . . . first week of freshman year we met with our advisory group of 10 with the late great Professor Kaufmann, who introduced us to intellectual history. Nietzsche, Kierkegaard, and Schopenhauer would become part of our vocabulary and psyche. And then there were those late-night happenings with N. O. Brown, sledding on trays behind Rush Rhees, and that unforgettable lecture by Andy Warhol at Strong Auditorium, where the audience booed, claiming the speaker wasn't Warhol at all. Never really knew if he was an impostor or not!"

CONTINUED FROM PAGE 43

Workbook: Tools for Discovering and Living My Eternalself (Balboa Press). The self-help workbook aims to guide readers to “an understanding of how a quantum worldview can be used to structure a successful life.” She has a PhD in biochemistry from the University of California, Berkeley, and taught holistic health and interdisciplinary science at San Francisco State University, after which she founded the Traditional Chinese Medical College of Hawaii.

1972 Kathie Phillips King '72N (see '68 Warner). . . . **Linda Horvitz Post** had a solo exhibition of large-scale oil paintings, titled *The Willing Suspension of Disbelief*, in April and May at R. Michelson Gallery in Northampton, Massachusetts. She is the founding director of the Paradise City Arts Festivals.

45TH REUNION • OCTOBER 3-6
Rochester.edu/alumni/class/1974

1974 Cory Amron sends a pair of then-and-now photos. For more than four decades, former suite mates Cory, **Jacqueline Tema Miller**, **Debbie Gephart Worbis**, **Janice Rowe Blinder '75**, **Joanne Harap Kovener**, and **Helen O'Connell-Short**, have been getting together annually to stay connected and celebrate their friendship. “It’s amazing to be able to share life’s experiences with people who have known you for so long,” writes Cory. Pictured from left to right are Janice, Joanne, Jackie, Debbie, and Helen at one of their first reunions in the 1970s, and Janice, Joanne, Cory, Janice, and Helen at another get-together about 40 years later. . . . As the Class of 1974 approaches its 45th reunion, we asked Sakhile Ntshangase '21, a student employee in University Communications, to catch up with reunion committee member **William Samuels**. Here’s his report:

“As an undergraduate, some of **Bill’s** most memorable experiences were living on the Hill in Morgan 3, spending a semester at the West Indies Laboratory in St. Croix on the US Virgin Islands, and graduating with a BS in biology-geology. ‘I made some very close friends during that time and we remain friends to this day,’ he writes. In his junior year, he met **Bernice Marcus**, and they married three years later. ‘On some milestone birthdays, Bernice and I get together with my freshman hall friends (and their spouses) for a long weekend or more (so far it’s



1974 Amron



1978 Dubin

been Key West, San Antonio, Hawaii, and the Texas Hill Country).’ After graduating, he pursued a PhD and got his first job at the US Geological Survey. His memorable professors include David Raup, Bob Sutton, and Zedie Bowen from geology and Wolf Vishniac and Tom Bannister from biology. For the last 35 years, he has worked at Science Applications International Corporation and Leidos. ‘We live in Potomac, Maryland. Bernice does biomedical research at the National Institutes of Health. We have two children. The oldest, Emily, is married and works as a software engineer. Her

younger sister, **Diane '11**, works as a cybersecurity analyst. Other U of R family connections include my brother, **Louis '83**, and his wife, **Fania Leiderman Samuels '83**.’ Bill has also participated in many projects and conferences around the world. ‘On a recent trip, we visited Iceland, which has some spectacular scenery.’”

1975 Janice Rowe Blinder (see '74). . . . **Thomas Krissel** (see '68 Warner).

1977 Madeline Topkins Michel received the 2019 Excellence in

Theatre Education Award presented by the Tony Awards and Carnegie Mellon University in June. The award recognizes a K-12 theater educator in the US who “embodies the highest standards of the profession and demonstrates a positive impact on the lives of students, advancement of the theater profession, and a commitment to excellence.” Madeline is the theater director for Monticello High School in Charlottesville, Virginia.

1978 Jane Dubin '79 (MS) writes that she’s a coproducer of a new Broadway musical comedy, *The Prom*, which has been nominated for seven Tony Awards: Best Musical, Best Score, Best Book, and Best Director plus three Best Acting awards. “I am so excited for the cast, creative team, and my fellow coproducers. The show is about big Broadway stars, a small town, and a love that unites them all,” she writes, adding that a group of alumni joined her at the show last November.

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

1979 As the Class of 1979 approaches its 40th reunion, we asked Sakhile Ntshangase '21, a student employee in University Communications, to catch up with members of the class, including reunion committee members **Brian Bennett**, **Sharon Lear**, and **Jane Smith Tuttle '84N** (MS). Here’s his report:

“**Brian** fondly remembers his Rochester experiences as an optics major, as an NROTC midshipman, and as a member of an Eastman School of Music jazz ensemble. As a junior, Brian also met first-year student **Debbie Stonitsch**, and they have been together ever since. ‘My college sweetheart is now my wife of 39 years,’ Brian says, ‘. . . and we just celebrated the birth of our first grandbaby, born on my birthday!’ At the Institute of Optics, Brian had the privilege to learn from legends in the optics field, including Brian Thompson, Rudolf Kingslake, and Duncan Moore, and his NROTC experience propelled a 30-year career in the Navy. Brian was a naval aviator and made a total of 10 deployments, including tours as a squadron and wing commander. He flew missions over Bosnia, Iraq, and Afghanistan and still works with the Navy in Pearl Harbor as the US Pacific Fleet’s liaison to Congress. Rochester also

MELIORA WEEKEND

OCTOBER 3–6, 2019

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For perspectives ever better.



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JON BATISTE



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ANN PATCHETT



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VANESSA BAYER

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YELLOWJACKET ALUMNI

Celebration Marks Coach Pat Stark's 50 Years at Rochester

FOOTBALL FORMATION: A record 65 former Yellowjacket football players gathered for their 14th annual spring "Dinner with the Coach," a celebration to honor iconic Rochester coach, Pat Stark, and to reconnect with one another at Perlo's restaurant in East Rochester in April. A Rochester and a Syracuse Hall of Famer, Stark is credited with elevating the stature of the football program during his coaching tenure at Rochester from 1969 to 1983, including a No. 1 NCAA Division III ranking in the East.

This year's dinner also marked 50 years since Stark arrived on campus to head the football program. A member of each of his teams traveled from throughout New York, New England, Pennsylvania, Michigan, Ohio, Indiana, Delaware, Washington, DC, Virginia, and Georgia to join the celebration:

Kneeling: Bob Kulpinski '71, Ron Haynes '72, Frank Perillo '73, Bill Hammond '73, Mike Roulan '71, Tony Daniele '71, Joe Hymes '75, '77M (MS), Jerry Atwell '75, Rick Magere '72, Brian Heagney '77, Ralph Gebhardt '76, Mark McAnaney '75, Erv Chambliss '76, Kevin Maier '78, Bill Falandays '74.

Standing First Row: Jim Wesp '74, '76M (MS), '78S (MBA), Brian Miga '71, Dave Cidale '71, Ron Spadafora '77, Bill Monroe '78, '89S (MBA), Phil Chrys '75, Pat Stark, Rick Stark '79, Tony Cipolla '81, Sam Guerrieri '87, Sam Shatkin '79, Andy Fornarola '79, Mike Geer '79, Mike Garritano '76, Brian Pasley '76, Loren Piccarreto '73.

Second Row: Leo Fusilli '80, Kevin Eldridge '86, Roger Watts '72, Bob Quirk '72, Paul Macielak '72, Jim Dunnigan '73, Jim Juraska '73, Paul Caputo '73, Tyrone Southerland '84, John Loiacono '84, Mike Recny '79, Steve Sloan '78, Jim Mazur '78, Herm Nied '76, Chris O'Connor '79, Phil Newman '79.

Third Row: Bob Ford '84, Rene Piccarreto '71, Kurt Peterson '74, Rick Basehore '72, Don Barber '79, John Kowba '79, Mark Kirsch '80, Jim Vazzana '87.

Back Row: DJ Pritchard '87, Bill Tretter '86, Joe Novek '73, Dave McNelis '74, Rich King '78, John Badowski '77, Quentin Call '76, Ed Heffernan '76, Denny Hennigan '75, Gary Miller '84, Len Champion '73.

inspired his love of music while studying trombone at Eastman. 'My first date with Debbie included one of my concerts. I also took the trombone with me on my first deployment, but that did not sit too well with my seven roommates.' Debbie and Brian were also dance partners during the disco heyday. 'We won the U of R Genesee Cream Ale Dance competition in '79. The trophy was a beer can, of course . . . still have it.' Forty years on, Brian and Debbie still dance. One of his favorite recollections is when Dr. Thompson offered him an opportunity to work with Corning Glass on their new 'fiber optics' product. 'I thought at the time that he was recognizing my optics achievements, but in retrospect it was only because Debbie

and I had recently taught the dean and his wife how to dance!'"

"Thanks to her father's knowledge of the University and its reputation; a 'fantastic' interview with Professor Elizabeth Fox-Genovese; and learning about the relatively small student population, Sharon knew that Rochester was the right place for her. Her experiences at the University included majoring in English with an art history concentration, being a news editor of the Campus Times, and serving as social chair of Delta Zeta sorority. 'It was a great experience. I got to do a lot of things that I would not have been able to do at a larger school.' Reflecting on her college years, she's proud of the strong curriculum that the University offers.

'Having a liberal arts background is one of the best secret weapons because it trains you to think, write, and evaluate situations at a great scale. It was the greatest asset of my career.' Some of her favorite moments included taking piano classes at Eastman, studying abroad, and conducting an archaeological search in England with Professor David Walsh. Other notable professors included Russell Peck, George Grella, and Anthony Hecht, all of whom she praises for good teaching and mentorship. After graduation, she worked at McGraw-Hill Publications; Advertising Age magazine; Northwestern Memorial Foundation, raising money to build Prentice Women's Hospital; and as chief development officer for Lycée

Français de Chicago, a bilingual school. She currently works for Harris Made, which makes bespoke recognition and stewardship gifts for universities, nonprofit organizations, corporations, and cultural institutions. Sharon's advice to any student: 'Don't be threatened by people saying "what are you gonna do with that major?'" Looking back on her own career path, she knows there are lots of opportunities after college.'

"After graduation, Jane earned a master's degree in 1984 as a family nurse practitioner from the School of Nursing and later completed a PhD in family studies at the University of Connecticut in 1992. During this time, she taught at Yale for eight years before returning to the School of Nursing as a faculty



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HONORS & ACCOLADES

Alumni Awards

At ceremonies this spring and summer, Rochester's academic units recognized alumni for their achievements and service.

HAJIM SCHOOL OF ENGINEERING & APPLIED SCIENCES

Distinguished Alumnus Award

Daniel Sabbah '74, '78 (MS), '82 (PhD)

Sabbah is the former chief technology officer and general manager of the Next Generation Platform at IBM Corporation. Beginning his IBM career in 1974, he retired in 2015 and now consults on and writes about technology and societal changes.

The namesake for the Sabbah Endowed Fund for Data Science, he is a member of the George Eastman Circle, the University's leadership annual giving society. He is also a member of the Arts, Sciences & Engineering National Council and the Hajim Dean's Advisory Committee.



Daniel Sabbah



Julia Bullock



Albert Salama

EASTMAN SCHOOL OF MUSIC

Distinguished Alumna Award

Julia Bullock '09E

Bullock is a widely acclaimed vocalist who has earned recognition as an innovative programmer and curator. A founding member of the American Modern Opera Company, she has also held artist residencies with the San Francisco Symphony and New York's Metropolitan Museum of Art.

Bullock's performances include key roles with national and international opera companies as well as recitals with symphonies and orchestras around the world. She has earned praise for her work to organize programs and performances that explore ideas of identity and history.

SIMON BUSINESS SCHOOL

Distinguished Alumnus Award

Albert Salama '73, '74S (MBA)

Salama is the CEO and sole owner of Sabert Corporation, a food packaging company that has facilities in the United States, Europe, and Asia. Prior to creating Sabert, Salama worked



David Khani



Sheffali Welch



Prashant Kamath



Vivian Pallodoro

in commercial banking with Manufacturers Hanover Corporation.

A longtime supporter of several international aid nonprofit organizations, he has received the Ellis Island Medal of Honor for his career achievements and for his service to the United States while maintaining the traditions of his heritage. A member of the George Eastman Circle, he is a member of the Simon Advisory Council and National Council.

John N. Wilder Award

David Khani '93S (MBA)

Khani is the executive vice president and CFO of CONSOL Energy, which he helped establish from CNX Resources in 2017. He also serves as a director and CFO of CONSOL Coal Resources, a master limited partnership controlled by CONSOL Energy. He spent nearly 20 years on Wall Street

in research-focused roles with FBR Capital Markets & Co., Bear Stearns, Prudential Securities, and Lehman Brothers.

A member of the George Eastman Circle, he serves on the Simon Advisory Council, mentors Simon students, and sponsors an on-campus chartered financial analyst program.

Alumni Service Award

Prashant Kamath '06S (MBA)

Kamath leads the investment banking company Houlihan Lokey's real estate advisory practice in New York.

A member of the George Eastman Circle, Kamath serves on the Simon Alumni Board. He also works with Rocking the Boat, an organization that helps young people from the South Bronx develop self-confidence and life skills by working together to

build and sail wooden boats and restore urban waterways.

Alumni Service Award

Sheffali Welch '02S (MBA)

Welch is the former managing director and COO of Wealth Management Americas at Deutsche Bank. She previously served as the COO and head of regional strategy for the Global Transaction Bank in the Americas and in leadership roles for the Institutional Clients Group.

A member of the George Eastman Circle, Welch helped lead the creation of the Simon Women's Alliance, a group that provides education and support to alumnae and the broader community. She also serves as the vice chair of the group's board.

WARNER SCHOOL OF EDUCATION

Dean's Medal

Vivian Pallodoro '76W (MS), '97W (EdD)

Pallodoro is a former administrator of the pathology and laboratory medicine department at the Medical Center. Before her retirement in 2002, she served as an adjunct faculty member at the Rochester Institute of Technology and was an author on the topic of health care quality improvement.

As a member of the George Eastman Circle, she participates on the group's Rochester Philanthropy Council Committee. She also serves on the Lifelong Learning Advisory Council and is a member of the Warner School of Education National Council.

member in 1993. 'I love the U of R. The School of Nursing is the best place to get your nursing education.' Reflecting on graduation, she recalls Dr. Elaine Hubbard encouraging her to continue her education, which has laid the foundation for her whole career. While serving as president of the Connecticut Nurse Practitioner Group, she recalls reaching out to Dr. Loretta Ford, the founding dean of the school of nursing and also the cofounder of the nurse practitioner role to invite her to keynote at a conference that was being planned. She was delighted to hear back from Dr. Ford directly and to continue connections with her over the years. A special memory is attending Dr. Ford's induction into the Women's Hall of Fame. Jane joined the Eleanor Hall Society shortly after the passing of Ms. Hall, another key leader in the School of Nursing. Jane is married to Doug Blue III and has a son and a 12-year-old granddaughter who is a gymnast and plays piano. She also has two grown stepchildren and two other younger grandchildren. She retired in 2017, and continues to teach part time at the School of Nursing and participate actively with the state and regional nurse practitioner organizations. She volunteers at Equicenter, a therapeutic horseback riding program and is actively involved as a member of the Lifelong Learning Advisory Council, which organizes the Alumni Forum during Meliora Weekend."

1982 Peter Antonucci writes: "I

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
Fall 2019	Sept. 15, 2019
Winter 2020	December 15, 2019



1985 Amodeo



1989 Abrams

am pleased to share that my first novel, *Billionaire's Paradise: Ecstasy at Sea* (Willow Street Press), was released on Amazon." The book is a "fictional tale of the scandalous lives of socialites in Manhattan and the Hamptons—who purchase and live on a mega yacht." It was named Book of the Month by *Boat International Magazine* and "is the first in a series of four books, with the second set to launch later in the year." . . . **Thomas Hess** (see '54). . . . **Ian Koenig** published *Principle Based Enterprise Architecture: A Systematic Guide to Enterprise Architecture and Governance* (Technics Publications). Ian spent more than 35 years in various technology roles, most recently as chief architect of LexisNexis. He was the chief architect for Thomson Financial prior to that, and for Reuters before that. He built his Principle Based Enterprise Architecture (PBEA) method from the experience he gained as the chief architect of those large corporations covering multiple industries.



1989 Cumiskey

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

1984 As the Class of 1984 approaches its 35th reunion, we asked Piffanie Rosario '20, a student employee in University Communications, to catch up with reunion committee member **Bob Ford**. Here's her report:

"As an undergraduate studying history, Bob knew he wanted to go into sales and marketing after graduation. Unsure of where to start, he began at a career fair at the University, where he was offered his first job. He had several executive positions in consumer health companies but now works for Oilly, a health and nutrition startup best known for its gummy vitamins and supplements. Bob says he's excited to work for a company that puts 'well-being of others' in its mission. When asked about differences between graduating in 2019 compared to 1984, Bob marvels at the speed of technological innovation. Apple, for example, was just launching when he was an undergraduate student. Bob remains interested in athletics. He played football at Rochester and says he continues to be involved by volunteering to promote interest in athletics within the reunion committee. He doesn't have much free time with Oilly's growth, his volunteer work,

and his family—but he is looking forward to attending the 30th reunion this fall."

1985 Vince Amodeo sends a photo and an update: "Just letting you know that after almost 31 years of federal government service with the Department of the Navy and the Consumer Product Safety Commission, I will be retiring to enjoy life traveling and relaxing with my wife, Renee, and our dogs and cats."

1987 Donald Graff writes that he published his first novel, *The Last Offering* (BookLocker), this year.

1988 Paul Turner was named a fellow of the American Academy of Arts and Sciences in April and was elected to the National Academy of Sciences in May. He is the Elihu Professor in the Department of Ecology and Evolutionary Biology at Yale University.

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

1989 Larry Abrams gave a presentation on BookSmiles, a non-profit foundation he started almost two years ago, at the iZone in Rush Rhees Library during the last Meliora Weekend. BookSmiles has sourced, sorted, and distributed more than 135,000 gently used books to underserved babies and children. Larry will pursue BookSmiles full time when he retires from teaching high school English. . . . As the Class of 1989 approaches its 30th reunion, we asked Sakhile Ntshangase '21, a student employee in University Communications, to catch up with **Marianne Seidman Cohen**, the cochair of the class reunion committee. Here's his report:

"**Marianne's** connections to the University are undiminished, 30 years after graduating. 'I keep in touch with many people from school. I've been to every reunion except for one,' she says. 'So when they asked me to cochair the reunion committee I couldn't say no.' Some of Cohen's most memorable educational experiences at Rochester include majoring in psychology and getting a certificate in marketing, taking a class on dinosaurs, and doing a senior research study on smoking cessation. A member of Phi Sigma Sigma, she volunteered for over 25 years, including being a member of the Phi Sigma Sigma Foundation's board of directors—a philanthrop-

ic arm of the organization with a goal of raising money for scholarships and grants for undergraduate and alumni sisters. She also advised a Phi Sigma Sigma chapter in Massachusetts for almost 20 years. 'My closest friends are Phi Sigma Sigma sisters. And because I was also involved nationally as an advisor and director, I have Phi Sigma Sigma sister friends all over the world.' On campus, she was president of D'Lions and a member of the pep band. Reflecting on her college experience, she says, 'I would absolutely do it again in a heartbeat. U of R was wonderful.' After graduating, she worked for a bank in Boston and then the USS Constitution Museum for almost 20 years. 'It was an amazing experience; one of my favorite jobs.' She also worked as the executive director for the Wakefield Lynnfield Chamber of Commerce in Massachusetts. She currently works at Mannersmith Etiquette Consulting, an etiquette consulting firm founded by **Jodi Rubtchinsky Smith** '90, one of her Phi Sigma Sigma sisters, as well as for the Malden Chamber of Commerce. 'I really feel like U of R prepared me for being in the working world.' Her advice to any student: 'Enjoy every day; it goes by very, very fast. Get to know people that you wouldn't otherwise get to know. And try new things because you are at the time in your life where you can. There is so much to offer at the University, embrace it.' . . .

Kara Smith Cumiskey had a mini reunion in Middletown, Delaware, with **Regla Pérez Pino** '89W (MS) and **Annika Kaye Vitolo**, thanks to the St. Andrews Regatta, where Kara and Regla also reunited last year. Pictured (see page 51) from left to right are Kara, Regla, and Annika. . . . **Regla Pérez Pino** '89W (MS) also sends a personal update: "I'm pursuing an Educational Leadership endorsement at James Madison University through my school division. My first class was taught by an elementary school principal, former ROTC, and U of R alumnus!" . . . **Linda Smith** was promoted to fellow of SPIE for her achievements in entrepreneurship. She is founder, president, and CEO of Ceres Technology Advisors and serves on SPIE's Financial Advisory Committee.

1990 Michael Lee wrote and published *Not Gonna Write Poems: A Poetry Book for All the Non Poets* (Lulu), a collection of whimsical



1990 Sotomayor

poems and sketches for children. Michael and his 10-year-old daughter, Jessica, illustrated the book. . . . **Jodi Rubtchinsky Smith** (see '89). . . . **John Sotomayor** writes: "The Associated Church Press awarded my magazines, *Elevate* and *Elevar*, in their national competition Best of Church Press six awards in writing, design, and photography, including Best in Class for Digital Edition/Mobile Publication during the press's convention in Chicago in April. These are the first national awards won by my start-up publications, which won several state-level awards in 2018, including first- and second-place Best Digital Magazine in Florida." Sotomayor is publisher and executive editor of both magazines, which are owned by his company, Sotomayor Media Creations.

1991 Michele Kucerek Stolberg '97W (MS) (see '67).

1992 Valery Perry is editor of *Extremism and Violent Extremism in Serbia: 21st-Century Manifestations of an Historical Challenge* (ibidem Press/Columbia University Press). Following a year and a half in Belgrade, Serbia, with the Organization for Security and Cooperation in Europe, she has returned to Sarajevo, Bosnia and Herzegovina, where she is a researcher and consultant and a senior associate with the Democratization Policy Council. . . . **Michelle Proia Roe** writes, "I'm serving as vice president, general counsel, and corporate secretary of Mettler-Toledo International Inc., a NYSE-listed company in the S&P 500."



2000 Lalley

1993 Kelly Fitzsimmons has published a book, *Lost in Startuplandia: Wayfinding for the Weary Entrepreneur* (Lioncrest Publishing). Describing the book as "a field guide," she writes, "I draw on my own trials and triumphs, as well as those of other entrepreneurs, to share our most valuable lessons for surviving start-up failure." She is cofounder of Custom Reality Services, a virtual reality (VR) production company whose first two projects premiered at the Sundance Film Festival. . . . **Jeremy Glick's** legacy was celebrated in June when he was inducted posthumously into the Rochester Jewish Sports Hall of Fame, with his father, Lloyd Glick, accepting the honor in memory of his son. Jeremy was one of several passengers aboard United Airlines Flight 93 on September 11, 2001, who counterattacked the hijackers.

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

1994 Renee Lalley (see '00). . . .

As the Class of 1994 approaches its 25th reunion, we asked Piffanie Rosario '20, a student employee in University Communications, to catch up with reunion committee member **Jono Rosen**. Here's her report:

"After graduation, Jono joined the U of R's archaeological dig at Yodefat in Israel, enjoying his time before law school started. He felt well prepared after graduating from Rochester and has nothing but great things to say about his undergraduate experience pursuing a degree in religion. 'It was a very special time with wonderful professors, including Douglas Brooks, Emil Homerin, and Bill Green, who were all highly engaged with the students,' he says, explaining how he became interested in the field. The religion department allowed Jono to travel to Israel and study abroad in India. The department's emphasis on 'learning how to learn' has been critical to his career. After graduating from NYU School of Law and Tufts University's Fletcher School of Law & Diplomacy, he joined an investment firm in Los Angeles, where he met his wife, a screenwriter. He currently lives in Boston and is a partner at Applied Invention, a multidisciplinary innovation company that partners with corporations to design and build new technologies to help them grow as well as cofound and incubate startups. He doesn't get to visit Rochester often but is excited to attend his 25th reunion and see the son of classmate and fellow religion major **Brad Schwab**, who is starting as a freshman this fall."

1995 Stephen Faraci was recognized as a 2019 Virginia Super Lawyer in General Litigation. He is a partner in the Richmond office of Whiteford, Taylor & Preston, representing clients in various business segments, including construction, real estate, coal and natural gas, and pharmaceutical industries.

1997 Rob Sudakow writes, "I have launched my own consulting company, RevUp Revenue Management Consulting, and in June I rode in my sixth AIDS LifeCycle ride, biking 545 miles from San Francisco to Los Angeles."

1998 Stacey Trein was named partner at the law firm Leclair Korona Cole. She joined the Rochester firm in 2015 and concentrates on commercial litigation, contract disputes, insurance coverage,



CHICAGO: Offering a toast to Eastman at the Chicago event were guest Marissa Sinai (left), along with Jake Greenberg '17, Angela Remus '16, Natalie Chait '18, Dylan Gaeta '16, and Brian Kee '18.



BOSTON: Victor Montano '16, Zenobia Smith '16, and Parth Trivedi '16 were among the Boston-area alumni who hopped on the Lexington, a 75-foot paddle boat, for a cruise around Boston Harbor.

AND MANY MORE . . .

Happy Birthday, George Eastman!

University community celebrates the life and legacy of one of Rochester's most influential benefactors.

Members of the University community celebrated pioneering entrepreneur and philanthropist George Eastman and his commitment to the University at "birthday parties" this summer organized by Alumni Relations. At receptions from New York City to Shanghai, hundreds of alumni and friends gathered to raise a glass to mark what would have been Eastman's 165th birthday on July 12.

—ALYSSA DAVIS



WASHINGTON, DC: Andrew Dominic '19, Nicholas Foti '19, and Rachel Ellison '18 gathered with other DC-area alumni for a celebration at Wunder Garden.



TOKYO: Yohay Wakabayashi '10, '11S (MS) (left), the University's Japan Network Leader who coordinated the Tokyo reception, was joined by Shigenobu Kawata '85S (MBA) and Shupu Jiang '11S (MBA).

and employment law matters. She is a Daily Record Excellence in Law recipient (2017) and was given the President's Award from the Greater Rochester Association for Women Attorneys in 2018.

20TH REUNION • OCTOBER 3-6

Rochester.edu/alumni/class/1999

1999 As the Class of 1999 approaches its 20th reunion, we asked Sakhile Ntshangase '21, a student employee in University Communications, to catch up with **Raquel Ruiz**, the gift chair for the 20th reunion. Here's his report:

"Reflecting on her years at the University, what stands out the most for Raquel was her personal growth, community building, and being a role model for her family. A first-generation Latina student, she helped found the University's first Latina sorority, Lambda Pi Chi, an organization that she hopes will be a legacy for Latina students. 'You want to feel like you belong to something

and also have something that you could belong to after you graduate. That was the one thing that really spoke to me.' A public health and society and premed major, Raquel is the associate director for the Center for Leading Innovation and Collaboration, a University-based

national center for clinical and translational science institutions. She earned a master's degree in education and is pursuing her MBA at the Simon Business School. Her biggest life lesson is summed up in the words of Neil Donald Walsh: 'Life begins at the end of your comfort

zone.' For her, 'going to college was a leap. I was going away from home, and I was the first graduate. I had no one to tell me "here are some stories." That's really how my adult life has been shaped. Be ready for change and be ready to take some risks.' She continues to immerse herself in the University community. In addition to helping plan the reunion, she serves as a member of the University's alumni board. Her message to any first-generation students: 'Find someone to mentor you through the process. It's very difficult to figure out your path by yourself. Know that there are people who have been there. Find those people, the ones who will serve not just as a mentor but also as an advocate for you and help you figure out your path. You're not alone; a mentor can give you ideas on how to navigate both successful and difficult times.'"

2000 David Lalley writes that his son Nico, nephew of **Renee Lalley**



2002 Seid

'94 and grandson of **James DeTar '70**, celebrated his first birthday this summer. David and his wife, Katie DeTar Lalley, live in Rochester with sons Nico and Shane. . . . **Neda Barzideh Levy** joined Rhodes Associates, an executive search firm specializing in the real estate industry, as senior principal and head of business development in March.

2001 Michael Goldstein, vice president and head of sponsorships, North America at MasterCard, has been named to *Sports Business Journal's* 40 under 40 list for 2019. His clients include the British Open, PGA Tour, and four marquee Major League Baseball teams—the New York Yankees, Boston Red Sox, Los Angeles Dodgers, and Chicago Cubs. While a student, Michael was sports editor for the *Campus Times*.

2002 Christina Seid writes that she and **Simon Chiew** continue to work together in their Chinatown and Lower East Side communities in New York City. Christina has expanded her business, the Chinatown Ice Cream Factory, into two new locations: Flushing Ice Cream Factory and Lower East Side Ice Cream Factory. Simon has become the chief strategy officer for the Chinese-American Planning Council.

2003 Samuel Howard writes, "In May, I received an MA in theology, *summa cum laude*, from Holy Apostles College and Seminary in Cromwell, Connecticut."

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

2004 Chloe Corcoran writes that she was one of 10 people across the country named as a Victory Empowerment Fellow. The Victory Institute is a national organization dedicated to elevating openly LGBTQ leaders who go on to careers in politics, government, business, and advocacy. Chloe is the assistant director of alumni engagement at the University of California, Davis. She adds, "I was also a featured panelist for the University of California system's panel, LGBTQ @ Work, despite not being an alumna." . . . As the Class of 2004 approaches its 15th reunion, we asked Piffanie Rosario '20, a student employee in University Communications, to catch up with reunion committee member **Chris Johnston '06S (MBA)**. Here's her report:

"Chris and his wife, **Grace**



2006 Thottathil



2010 Maloney

'09M (PhD), live in Newburyport, Massachusetts, with their two daughters, Flinn and Oliana. Chris recently started his own business, Wing Walker Marketing, which focuses on helping small-to-midsize businesses enhance customer relationships. The new company is part of a career in marketing that he says the University prepared him well for. He majored in health and society as an undergraduate, and some of his favorite classes were in sociology and psychology, courses that he continues to find relevant to his work. He says his goal with his new company is to show that marketing can be a tool for elevating customers' experiences. "In my professional experiences I've noticed that companies think of marketing in different silos. "This is what we do online." "This is what we do offline." "This is what we do for consumer experience." In

reality, all of these aspects are small pieces that need to be put together like a jigsaw puzzle. Wing Walker does that and takes it to the next level and helps companies be creative and stand out.' And, he says, it can be a lot of fun, highlighting a project in which he worked with a local winery and an alpaca farm."

2006 Princy Thottathil '10M (MD) and Emmanuel Illic were married in Long Island, New York, in June 2018. Princy writes, "We were lucky to be surrounded by family and friends from college, medical school, and residency from both the USA and Canada." Pictured are (left to right) **Kelly Townsend Jennings, Arielle Freshman Hall, Tess Troha-Thompson, Jessica Mayer, Julie Stoltman, Jessica William Cummings, Princy, Emmanuel, Tim DeGrave '04, '11S (MBA), Shivani**

Patel '10M (MD), Laura Fornarola '14M (PhD), '16M (MD), Nidhi GeeVarghese, Danielle Nguyen Dahle '10M (MD), Ruth Baciewicz Schneider '10M (MD), '18M (Pdc), Mohammed Faraz Khan '04, and George Varghese '04.

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

2009 Melissa Schoenberger published her first scholarly book, *Cultivating Peace: The Virgilian Georgic in English, 1650-1750* (Bucknell University Press). Melissa is an assistant professor of English, specializing in Restoration and 18th-century poetry, at the College of the Holy Cross in Worcester, Massachusetts. . . . **Emily Stone** (see '10). . . . **Charity Wallace** writes: "Since graduating in 2009, I obtained my first master of science degree, in pharmaceutical



2011 Epstein

sciences, from the University of Maryland-Baltimore and worked in biotechnology as an associate scientist at both MedImmune and BioReliance in Montgomery County, Maryland. As of January, I am a senior quality control analyst at AstraZeneca Manufacturing Facility based in Frederick, Maryland, with the goal to pursue a career in validation of analytical chemistry methods. In May I received my second master of science degree, in biotechnology, from Johns Hopkins University, and in the near future I plan to start a nonprofit for women and minorities in the STEM field based in Frederick, Maryland.”

2010 Le Doan (see '11). . .

Kathleen Maloney writes, “I have an exciting professional update: the biotech company **Emily Stone** '09 and I work for, Entasis Therapeutics, rang the NASDAQ closing bell in March. I have included a photo from this very exciting day!” Katie is a clinical project manager at Entasis, which is based in Waltham, Massachusetts.

2011 Alyssa Epstein sends a photo from her wedding and writes, “I got married in April to Chris McDermott. I was fortunate to meet some of my best friends at the University of Rochester. Whether we formed bonds through shared dorm rooms or sorority sisterhood, no matter how these people came into my life, they have each played a special part. Our wedding wouldn't have been the same without my Rochester crew. Meliora!” Pictured from left to right are **Tiffany Chanthasensak**, **Cristin Monahan**, Alyssa and Chris, **Susanna Virgilio** '12, **Anna Richlin Millstein** '12, and Michael Millstein. . . **Christopher Young** writes: “In March, **Le Doan** '10, who lives in Atlanta, Georgia, and I traveled to

China together for a 10-day vacation. We visited Shanghai and Beijing, including hiking the Mutianyu section of the Great Wall of China. Le and I were both members of the YellowJackets a cappella group on campus. It's fun to see where friendships made at Rochester will take you in the world!” The photograph shows Christopher, left, wearing a Spirit R hat, and Le in front of the Great Wall. Christopher adds that he lives in Richmond, Virginia.

2012 Andrea Morrell Campi

writes: “I am excited to note that I have completed my PhD in biomedical engineering from Columbia University. I defended my thesis in May and participated in Columbia Engineering's Class Day exercises.” At Class Day, Andrea received a Graduate Student Life Award, presented to her by Vice Provost and Senior Vice Dean Soulaymane Kachani (see photo). The award “honors students whose participation and involvement at Columbia has enhanced the spirit of graduate life on campus, creating a more purposeful, caring, and celebrative community.” Andrea adds, “Beginning this summer, I will be working as an associate with Prescient Healthcare Group, a biopharma consulting company in Jersey City, New Jersey. I'm grateful for my Rochester BME education and mentorship from the David T. Kearns Center that brought me to this milestone.” . . .

Annamarie Spielmann writes that she married Joshua Yerkes last December, surrounded by her closest Rochester friends and family, in Chadds Ford, Pennsylvania. Pictured with Annamarie and Joshua are **Robert Valdovinos**, **Lucas Piazza**, **Katherine McLean DeVisser**, **Trevor Baisden**, **Chris Cummings**, **Alissa Brill**, **Laura Sharkey Takach** '11, **Alyssa Shoup** '10, '11W



2011 Young



2012 Campi



2012 Spielmann



2013 DiBartolomeo

(MS), **Matthew Spielmann** '09, **Megan Battin**, **Sthuthi David** '17M (MD), **Meredith Boyd**, and **Kurt Spielmann** '08.

2013 John DiBartolomeo '13 helped lead Israeli basketball club Maccabi Tel-Aviv to an unprecedented 53rd Israeli Basketball Premier League championship in June, scoring a team-high 15 points in an 89-75 title game win over Maccabi Rishon (see photo, page 55). He was the league's Most Valuable Player in 2016-17 and averaged 11.3 points this past season. The former All-American point guard and Division III National Player of the Year from Westport, Connecticut, finished his Rochester career with 1,779 points, third most in program history.

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

2014 As the Class of 2014 approaches its fifth reunion, we asked Piffanie Rosario '20, a student employee in University Communications, to catch up with two members of the class—reunion committee member **Kathryn Flaschner** '17S (MBA) and **Sara Leung** '17S (MBA), the gift chair for the reunion class. Here's her report:

"Now working in San Francisco as a senior manager at Walmart eCommerce, Kathryn says she expected her stay to be relatively short. But she has grown to love the West Coast. She describes her career as having been influenced by many different industries, and she connects part of that to the experiences she gained at the University. Initially studying political science and media studies as an undergraduate, she says, 'I always joked that I was dabbling in college,' because of the extent of her learning experiences. But she says that the experience benefited her in the end because of the influence it has had on the way she sees the world. As an undergraduate, she was a member of the field hockey team, which was a huge part of her education, eventually leading her to pursue collegiate coaching right after graduation. She earned her MBA from the Simon Business School and claims that it opened her up to everything she could take on beyond the athletic world, leading her to technology consulting in San Francisco. At Walmart, she says her goal is 'building meaningful brands.' Flaschner makes clear, however, that her passions and interests go beyond her position as a senior man-



1975G Stulberg



1983G Kiss

ager. She says, 'I work at Walmart, I study acting, and I teach yoga. And that's just kind of my story right now. And I want to start my own company. They all fit together for me. And that's what Rochester showed me.' She's excited to embrace new opportunities and looks forward to attending her fifth reunion after spending so much time on the West Coast." . . . "Reflecting on postgraduate life, Sara, a vice president at First American Equipment Finance in New York City, says the path to her career was not always very clear. As an undergraduate, she pursued a BS in math and a BA in economics. She laughs, saying, 'If you met me my freshman year, I still had no idea what I wanted to do, and for a while I think I wanted to study music.' She eventually changed her mind and decided to pursue business. Through the help of a career fair at Rochester, she contacted the company she currently works for and was hired as an intern during her senior year. She slowly worked her way up in Rochester from sales intern to operations intern to project manager—and eventually, to vice president in New York City. She is grateful for the company and all it has done for

her. Now living in New York, she's part of the company's bank support team in sales but continues to have close ties with the Rochester community. Thinking about the ways that life as a U of R student has changed and the difference between graduating in 2014 as opposed to 2019, Leung believes students have more opportunity to 'take action and make a change' as the University grows in resources and as society changes. She keeps up with the University and says she admires the students who are working to promote change in areas they're passionate about. As the Class of 2014 gift chair, she is looking forward to traveling to Rochester for her fifth reunion."

2017 Daniel Kannen (see '85 Eastman).

Graduate

ARTS, SCIENCES & ENGINEERING

1952 Joseph Weinstock (PhD) (see '75).

1965 Lynn Selke (PhD) (see '61 College).

1967 John Webster (PhD) received a US patent for a new sleep apnea therapy device designed for greater comfort. Unlike continuous positive airway pressure (CPAP) machines, John's device uses no added pressure. He also received the 2019 IEEE James H. Mulligan, Jr. Education Medal "for excellence in classroom teaching as well as the production of numerous reference texts that have fostered the development of biomedical engineering as a discipline." John is professor emeritus of biomedical engineering at the University of Wisconsin-Madison.

1969 Gershen Kaufman (PhD) has published revised editions of two books he coauthored: *Stick Up for Yourself! Every Kid's Guide to Personal Power and Positive Self-Esteem* (Free Spirit) and *A Teacher's Guide to Stick Up for Yourself! An 11-Session Course in Self-Esteem and Assertiveness for Kids* (Free Spirit). Greshen is a professor emeritus of psychology at Michigan State University.

1973 Robert Greenhouse (PhD), after a 33-year career in the pharmaceutical industry at Syntex/Roche, is serving on the Spark Advisory Board at Stanford University School of Medicine. He's also an adjunct professor in the otolaryngology department, working with researchers to build a safer version of a commonly used class of antibiotic that can cause deafness. The Spark translational research program recruits industry experts whose real-world experience can be used to complement discoveries by Stanford scientists and students who are interested in drug discovery and development but lack the practical experience to develop them into products. The projects often focus on orphan diseases and diseases of underdeveloped countries.

1975 Jim Sorensen, a professor of psychiatry at the University of California, San Francisco, was awarded a Fulbright Canada Research Chair in Child and Youth Mental Health at the University of Calgary for the 2018-19 academic year. His project was titled "Linking Addiction Treatments and Research: Focus on Ethics." He has been on the faculty at UCSF since 1978 as a research psychologist and then assistant, associate, and full professor; in 2012 he received the George Sarlo Prize for Excellence in Teaching. . . .

Joseph (Josh) Stulberg (PhD) sends a photograph from a minireunion he and his wife, Midge, hosted in Sarasota, Florida. Pictured from left to right are **Clyde (Louis) Putallaz** '69; Josh; Midge; **Christine Thurber Ervin** '74N, '76W (MA); Hanni Weinstock; and **Joseph Weinstock** '52 (PhD).

1979 Jane Dubin (MS) (see '78 College).

1983 Elinda Kornblith Kiss (PhD) was the 2019 recipient of the Allen J. Krowe Award for Teaching Excellence at the Robert H. Smith School of Business of the University of Maryland. She is an associate clinical professor and Banking Fellows faculty champion in the Department of Finance. Elinda is pictured with Dean Alex Triantis and Associate Dean Debra Shapiro.

1992 Louis Roper (PhD) was inducted into the State University of New York's Distinguished Academy as a Distinguished Professor at a June ceremony in Albany, New York. Appointment to the Distinguished Faculty constitutes a promotion to SUNY's highest academic rank and is conferred by the State University of New York Board of Trustees. Louis is a professor of history at SUNY New Paltz, which he joined in 1995.

1993 JeeLoo Liu (PhD) writes that she has been named a 2019 Andrew Carnegie Fellow and will be able to devote two years to her proposed project, "Confucian Robotic Ethics," which explores the possibility of implementing Confucian ethical codes into artificial moral agents (AMAs). The project "aims to promote ethical awareness among AI designers to construct artificial intelligence that will aid in human flourishing rather than posing foreseeable threats to human existence." The author of *Neo-Confucianism: Metaphysics, Mind, and Morality* (Wiley-Blackwell, 2017), she is chair and professor of philosophy at California State University, Fullerton, and the executive director of the International Society for Chinese Philosophy for the 2017-22 term.

1997 Robyn Hannigan (PhD) is the new provost of Clarkson University, with its main campus located in Potsdam, New York. Her previous positions include program officer at the National Science Foundation, cofounder and chief sci-

ence officer at GeoMed Analytical, and several faculty appointments, at the University of Massachusetts Boston, where she was founding dean of the School for the Environment, and at Arkansas State University.

1998 Brock Clarke (PhD) had a short story, "One Goes Where One Is Needed," published in the Spring issue of the print literary journal *Ploughshares*.

2004 Betsy Huang (PhD) has been named associate provost and dean of Clark University in Wooster, Massachusetts. She has been at Clark for 16 years, starting as an assistant professor of English. She was tenured and promoted to associate professor in 2010 and holds the Andrea B. and Peter D. Klein Distinguished Professorship. She served as Clark's first chief officer of diversity and inclusion from 2013 to 2016 and now serves as director of the Center for Gender, Race and Area Studies.

Eastman School of Music

1946 Evelyn (Evvie) Meyers Currie (see '45 College).

1947 Joan Strait Applegate '66 (PhD) died in May, writes her daughter, Celia Applegate, formerly a professor of history at Rochester. Joan spent most of her adult life in Chambersburg, Pennsylvania. "She was professor emeritus at Shippensburg State University and spent her entire professional life teaching and performing music in one form or another. She was devoted to the Eastman School and always very proud to have her degrees from the University of Rochester." Joan's husband, Jim, whom she met while he was a lecturer in English on the River Campus, died in 1997. In addition to Celia, Joan is survived by three other children.

1952 Barbara Garvey Jackson (MM) sends an update. She transferred ownership of her music publishing business, ClarNan Editions, to Classical Vocal Reprints, where it is now a division. She founded ClarNan, which is devoted to publishing historic music by women composers, in 1982. Barbara adds that she will continue to edit new volumes from

time to time. She was a professor of music at the University of Arkansas at Fayetteville for 30 years.

1958 Dominick Argento (PhD) was honored posthumously in June with a memorial concert at the University of Minnesota's School of Music. The program, curated and conducted by Dominick's longtime collaborator Philip Brunelle, celebrated the musical legacy of the Pulitzer Prize-winning composer. Dominick joined the Minnesota faculty in 1958 and taught there until 1997, when he was made professor emeritus. He died last February.

1962 John Landis (see '66 College).

1966 Joan Strait Applegate (PhD) (see '47).

1969 Max Stern writes that *Max Stern: Retrospective*, a compilation of his biblical compositions, has been issued by the Israel Music Institute and Ministry of Culture of the State of Israel. Max is professor emeritus of Ariel University. . . . **Andrea Podraskie Tolmich** (see '68 Warner).

1970 Arthur Michaels has recently published several scores: "Mythical Royals and Their Heroic Defenders" (Bell Music) and "Euphotrombotonia" (Bell Music), both concert band pieces; as well as "Dance Suite" (Gusthold Music) and "Sara's Suite" (Gusthold Music), both three-movement works for string orchestra. His composition "St. Thomas Excursion," a movement in "Dance Suite," was premiered by the Symphoria Youth String Orchestra of Syracuse, New York.

1973 Michael Sanders retired after 27 years as principal tuba of the St. Louis Symphony Orchestra. Before joining the orchestra, Michael was principal tuba of the San Antonio Symphony from 1973 to 1991 and also served as interim principal tuba with the Utah Symphony during the 1987-88 and 1989-90 seasons. He was a featured soloist with each of the orchestras. Michael has given master classes in tuba performance at the Manhattan School of Music, the University of Michigan, the University of Missouri, and the University of North Texas and was a featured performer at the International Tuba Euphonium Conferences at the University of

Texas at Austin and the University of Minnesota.

1977 Marie Rolf (PhD) translated into English *Claude Debussy: A Critical Biography* by François Lesure (Boydell & Brewer), which was published in June as part of the Eastman Studies in Music series. Marie is senior associate dean of graduate studies and a professor of music theory at Eastman. Her translation is the first of what is widely recognized by scholars as the most comprehensive and reliable biography of Claude Debussy.

1978 Thomas Crawford conducted the American Classical Orchestra when it concluded its season in Alice Tully Hall at Lincoln Center in May with Beethoven's Third Symphony, "Eroica," and *Coriolan Overture* performed on period instruments. Thomas is the orchestra's artistic director and founder.

1981 Madeleine Mitchell (MM) released a CD with her London Chamber Ensemble of world premiere recordings by Welsh composer Grace Williams, *Grace Williams: Chamber Music* (Naxos), in March. It was selected as the *Guardian's* CD of the week. Madeleine has been a violin professor at the Royal College of Music in London since 1994.

1985 Maria Lambros sends an update. She recorded the two Brahms viola quintets with the New Zealand Quartet for Naxos Records. **Helene Pohl** is the quartet's first violinist. Maria, a faculty member at the Peabody Conservatory of Music, launched Our Joyful Noise Baltimore, a nonprofit organization that presents a series of concerts featuring professional musicians in a veterans' shelter, a women's prison, and a cancer treatment residence as well as for people living with autism in the Baltimore community. Maria's son, **Daniel Kannen** '17, is an audio engineer at Dolby Laboratories in San Francisco.

1992 Gaelen McCormick was named executive director of the Canandaigua LakeMusic Festival. She is the program manager for Eastman Performing Arts Medicine, teaches bass at the Eastman Community Music School, and is a former member of the Rochester Philharmonic Orchestra.

1996 Helen Pridmore (DMA)

writes that she created and premiered a concert-length structured improvisation for solo voice, “Sor Juana and the Silences.” The first performance was in Regina, Saskatchewan, Canada, and more recent performances have taken place in Mexico City, with a Canada-wide tour in the works.

2000 Nicole Kenley Miller received her DMA in vocal performance and opera directing last December from the University of Houston upon the defense of her dissertation, “Voicing Virginia: Adaptation of Woolf’s Words to Music.” She has accepted the position of production manager for the Moores Opera Center at her new alma mater. . . . **Jassen Todorov** (MM) writes that he won the American Experience category in the Smithsonian’s 2018 photo contest with his aerial photograph *The Painful Aftermath*. His image *Unreal* was a finalist in the same category; and *Rochester Review* published it in the Winter 2019 issue. Jassen is a professor of violin at San Francisco State University.

2009 Nick Finzer (see ’14).

2014 David Baskeyfield (DMA), released his second CD, *Dupré: The American Experience* (Acis Productions), featuring the music of Paris Conservatoire professor of organ Marcel Dupré (1886-1971). David is the music director at Christ Episcopal Church in Pittsford, New York, near Rochester. . . . **Alexa Tarantino** has released a debut solo recording as a leader, *Winds of Change* (Posi-Tone), with her quartet, including trombonist **Nick Finzer** ’09. A CD release celebration took place at Jazz at Lincoln Center’s Dizzy’s Club in May.

School of Medicine and Dentistry

1956 Carroll (Chuck) Hess (MD) (see ’54 College).

1977 James Mold (Res) writes that after having written many journal articles and book chapters, he wrote his first complete book, *Achieving Your Person Health Goals: A Patient’s Guide* (Full Court Press). A retired primary care physician



2011S John



2015S Finch and Alcazaren

and public health researcher, James continues to conduct research as a consultant.

1980 Robert Smith (Flw) coauthored *Essentials of Psychiatry in Primary Care: Behavioral Health in the Medical Setting* (McGraw-Hill). An earlier book, *Smith’s Patient-Centered Interviewing: An Evidence-Based Method* (McGraw-Hill), was released in a fourth edition. Robert is a University Distinguished Professor and a professor of medicine and psychiatry at Michigan State University.

1985 Mark Eisenberg published an e-book, *Case Studies in Interventional Cardiology* (McGraw-Hill Education), which includes more than 300 videos, 165 multiple-choice questions, and 250 self-review questions. Mark is a professor of medicine and the director of the MD/PhD program at McGill University in Montreal.

1988 Lewis Hsu (MD/PhD) coauthored the newly revised, fifth edition of *Guidebook for Sickle Cell*

Disease and Sickle Cell Trait (Hilton Publishing).

2002 Heather Gold (PhD) writes that she was “promoted to full professor at NYU Langone Health in the Departments of Population Health and Orthopedic Surgery in fall 2018. I also was elected and am serving as the president of the Society for Medical Decision Making.” . . . **Kelli Harding** (MD) has published *The Rabbit Effect: Live Longer, Happier, and Healthier with the Groundbreaking Science of Kindness* (Atria Books). The book explores how the social dimensions of health affect the body. Kelli is an assistant professor of psychiatry at Columbia University Medical Center and is board certified in psychiatry and neurology and the subspecialty psychosomatic medicine.

2004 Roger Di Pietro (Pdc) published *Decoding Persistent Depression: Book Two—Mind and Body Mysteries* (Lulu), the second book in a series investigating long-term depression. Roger is a clinical psychologist in private practice.

2009 Grace Vangeison Johnston (PhD) (see ’04 College).

2010 Princy Thottathil (MD) (see ’06 College).

School of Nursing

1955 Leona (Frosty) Frost Hess (see ’54 College).

1964 Sharon Whipple Selke (see ’61 College).

1970 Nancy Heller Cohen (see ’70 College).

1972 Kathie Phillips King (see ’68 Warner).

1974 Christine Thurber Ervin ’76W (MA) (see ’75 Graduate).

1984 Beth Quinn Jameson received the 2019 Lester Z. Lieberman Humanism in Healthcare Award. The award is sponsored by the Healthcare Foundation of New Jersey and honors nursing students, nursing faculty, and health care employees in its Newark metro service area for demonstrating outstanding compassion in caring for patients and their families. Beth is an assistant professor at the College of Nursing at Seton Hall University in South Orange, New Jersey. . . . **Jane Smith Tuttle** (MS) (see ’79 College).

Simon Business School

1979 George Holloway (MBA) coauthored *Medical Obituaries: American Physicians’ Biographical Notices in Selected Medical Journals Before 1907* (Volume 8) (Routledge). Originally published in 1981 and then again in 1995, *Medical Obituaries* is an extensive index of American physicians and surgeons from the 18th and 19th centuries, before the American Medical Association began publishing journals. The book also includes a list of graduating classes at American medical colleges before 1907. . . . **Paul Thornton** (MBA) published *The Joy of Cruising: Passionate Cruisers, Fascinating Stories* (BookBaby), a book of “anecdotes, stories, and profiles of cruisers who have some unique or interesting perspective.” A university administrator, Paul lives in Fort Myers, Florida.

1985 **Jose Piazza** (MBA), a charter trustee of Rutgers University, will serve a second term as co-vice chair of the board of trustees through 2023. He is a vice president of business excellence finance at Verizon Communications.

1997 **Julie Schultheiss Buehler** (MBA) was named vice president for finance and administration at SUNY Geneseo. Before her appointment, she was an executive consultant at Mitrano and Associates, a consulting firm that advises nonprofit and higher education institutions, and prior to that, vice chancellor for information services and strategy and chief information officer at the University of Massachusetts, Amherst. Julie served in various roles, including deputy chief information officer, at the University of Rochester for 24 years before joining UMass.

2006 **Chris Johnston** (MBA) (see '04 College).

2011 **Serah John** (MBA) writes: "I recently won an award for Excellence in Music Education at the Times Power Women 2019 hosted by the *Times of India*, Bangalore." Serah is the founder and CEO of BlueTimbre Music in Bangalore.

2015 **Adrian Finch** (MBA) got engaged to **Mike Alcazaren**, an MBA candidate at Simon. Mike writes, "We got engaged in Norway this spring. While chasing the northern lights, we stopped off at a frozen lake in northern Norway, where I popped the question. We're planning to get married next year at a small ceremony in New England followed by a large reception in Rochester for friends and family. We'll be moving to Seattle this summer for my post-MBA job at Amazon. We're very excited to start this next phase of our life together!"

2018 **Joseph Seroski** (MBA) and Diana Seroski welcomed their second child, Noa Teagan, in February.

Warner School of Education

1966 **Judith Lehman Ruderman** (MA) (see '64 College).

1968 **Irving (Bud) Van Slyke** (EdM) and **Kathie Phillips King** '72,



2018S Seroski



1968W Van Slyke

'72N organized a luncheon get-together in New Bern, North Carolina. Bud and his wife, Marilyn, are seated in the photograph; standing, left to right, are Linda Golden, widow of the late **Robert Golden** '72 (PhD), **Andrea Podraskie Tolmich** '69E, **Bob Sylvester** '63, Kathie, Doug King, and **Thomas Krissel** '75.

1970 **Richard Kellog** (EdD) published the sixth volume of his children's series, *Barry Baskerville and the Buried Treasure* (Airship 27).

1976 **Christine Thurber Ervin** (MA) (see '75 Graduate).

1989 **Regla Pérez Pino** (MS) (see '89 College).

1997 **Michele Kucerak Stolberg** (MS) (see '67 College).

2013 **Solomou Costas** (EdD) was named vice president for enrollment management at SUNY Geneseo. He most recently served as dean of undergraduate admis-

sions and orientation at George Washington University. . . . **Julie White** (PhD) was named president of Pierce College Fort Steilacoom in Lakewood, Washington. Previously Julie was senior vice president of student engagement and learning support at Onondaga Community College in Syracuse, New York.

2014 **Kevin McDonald** (EdD) was named vice president for diversity, equity, and inclusion at the University of Virginia. He previously served as vice chancellor for inclusion, diversity, and equity at the University of Missouri-Columbia and as chief diversity, equity, and inclusion officer for the University of Missouri System.

In Memoriam

ALUMNI

Angelina Boella '42, April 2019

Cathleen Beyer Robinson '42E (MM), May 2019

Jean McCune Andrews '43, June 2019

Severn P. Brown '43, May 2019

Marie Zimmerman Costich '44, '45N, April 2019

Patrick J. DeCillis '44, June 2019

Doris Woehr Fitze '44, May 2019

Nora Sigerist Beeson '45, June 2019

Evelyn Meyers Currie '45, '46E, June 2019

Alfred Feinman '45, January 2019

Madeline Bramer Ingram '45E, February 2018

Marguerite Mollott Limansky '45, April 2019

Joyce Measor Rude '45N, '52, May 2019

Dorothy Purdy Amarandos '46E, '47E (MM), June 2019

Priscilla Gilbertson Eitel '46E, June 2019

Evelyn Cumming Garvey '46E (MA), March 2019

Eleanore Hunt Vail '46E, '47E (MM), January 2019

Mildred Northrop Wiseman '46E, May 2019

Joan Strait Applegate '47E, '66E (PhD), May 2019

Arthur R. Frackenpohl '47, '49E (MA), June 2019

Robert S. Olcott '47, May 2019

CLASS NOTES

Paulina White Yancich '47E,
May 2019
Virginia Deisher Alexander '48N,
April 2019
Toni Arnould Foglesong '48,
June 2019
David T. Gleason '48,
June 2018
Henry A. Martin '48,
May 2019
Phyllis Mann Shulman '48E,
March 2019
Lane S. Dickinson '49M (MD),
June 2019
John F. Hanrahan '49,
March 2019
Edward C. Atwater '50,
April 2019
Edward S. Brown '50,
May 2019
Doris Geier Finegan '50,
June 2019
William E. Lambert '50,
April 2019
Mary Renick Nickles '50, '73W
(MA), May 2019
L. Louise Skakuj Rozwell '50W
(Mas), April 2019
Charles R. Valenza '50E, '53E (MM),
May 2019
William F. Beveridge '51,
June 2019
Charlotte Lane Hamilton '51,
April 2019
Janet Canning Rae '51N,
April 2019
Beverly Fanton Rahr '51N,
May 2019
Ray Rueby '51,
April 2019
Richard R. Ball '52,
May 2019
Merrill R. Benson '52,
April 2019
Lois A. Debes '52,
March 2019
Thomas A. Huffman '52M (MD),
April 2019
Robert N. McFadden '52,
March 2019
John R. Schactler '52E (MM),
May 2019
Justin D. Call '53M (Res),
January 2019
John W. Felton '53,
January 2019
Anita Kant Fleet '53,
May 2019
Frances Young Martin '53,
April 2018
Joseph J. Ponazecki '53,
January 2019
Robert B. Santone '53,
April 2019
Alice Widell Augenti '54,
May 2019
Albert A. Caretto '54 (PhD),
June 2019

Pandeli Durbetaki '54 (MS),
March 2019
Leona Frost Hess '54, '55N,
May 2019
William A. Lee '54,
March 2019
Kenneth A. Martin '54,
June 2019
Robert W. Place '54,
May 2019
Dorothy McCarthy Brennan '55,
'56N, June 2019
James F. Kahler '55,
April 2019
Nancy Bauman Templeman '55, '62
(MA), April 2019
Sally Graves Wright '55N,
May 2019
Vivian Horn Wright '55,
April 2019
Edward W. Barkley '56, '62 (MA),
April 2019
John C. Citrolo '56,
March 2019
Erwin Delano '56 (MS), '66 (PhD),
June 2019
Dolores Miller Dewhirst '56N,
April 2019
John P. Lembo '56W (Mas),
March 2019
J. Russell Little '56M (MD),
August 2018
Ronald L. Phillips '56E,
June 2019
Lawrence G. Silverstein '56M (MS),
April 2019
Ellen McFarlane Wightman '56E,
April 2019
Carolyn Willis '56E,
June 2019
Christopher H. Hodgman '57M
(Res), June 2019
C. Anne Simpson House '57E,
May 2019
Charleen Dorwald Drotning '58,
April 2019
Nancy Nickeson Kane '58E,
March 2019
Thomas T. Makielski '58 (MS),
June 2019
Richard J. Martin '58M (MS),
June 2019
Ronald G. Matteson '58 (MS),
April 2019
William A. Miller '58,
May 2019
Clark W. Perry '58,
February 2019
James W. Ring '58 (PhD),
April 2019
Karen Farney Vinkey '58, '59N
(Dpl), April 2019
Elinor Binnebosel-Brown '59,
March 2019
Frank C. Cegelski '59M (MD), '64M
(Res), May 2019
Jean Marie Kimmel '59N (Dpl),
May 2019

Donald L. Panhorst '59E (MM), '68E
(DMA), April 2019
John D. Ricca '59E, '64E (MM),
December 2017
Kendrick A. Sears '59M (MD),
March 2019
John R. Thatcher '59,
May 2019
Ian R. Guthrie '60 (MA),
May 2019
Ernest G. Muntz '60 (PhD),
June 2019
Fred S. Ottley '60,
June 2018
Leonard A. Sauer '60M (MD),
April 2019
Henry I. Schick '60W (Mas),
March 2019
Christopher S. Hyde '61 (MA),
June 2019
S. John Ingram '61E,
March 2018
Nicholas F. Nichols '61W (Mas),
June 2019
Barbara Tremaine Sanford '61N,
April 2019
Frances Wustrack Smith '61, '62N,
April 2019
Alexander Sobieski '61,
May 2019
Lionel W. Young '61M (Res),
April 2019
Martien A. Mulder '62M (MD),
June 2019
Manuel J. Perez '62,
March 2019
Charles F. Raetz '62,
April 2019
Victor O. Stead '62,
April 2019
Leon C. Wallace '63W (Mas),
May 2019
Edmund S. Copeland '64M (PhD),
May 2019
Theodore J. Fischkin '64,
June 2019
Glen C. Hadsell '64E,
May 2019
Marian Todd '64, '68W (Mas),
April 2019
Philip H. Bobrove '65 (PhD),
April 2019
Rose Marie D'Silva '65 (Flw),
June 2019
Philip A. Selwyn '65,
May 2019
Charlotte Konneker Wilson '65W
(Mas), April 2019
Wendell Gale Ayers '66 (MS),
June 2019
Alexander R. Brinkman '66E, '78E
(PhD), March 2019
Roxanne McDonald Carr '66,
May 2019
Douglas M. Astolfi '67 (MA),
June 2018
Richard G. Budynas '67 (MS),
June 2019

Barbara Francis '67, '69W (MA),
'84W (EdD), April 2019
Gene M. Gilbert '67M (MD),
June 2019
Stephen J. Kastoff '67,
June 2019
Leslie Dean Kucerak '67,
May 2019
Norman R. Leader '67S (MBA),
June 2019
Theodore L. Mobley '67M (Res),
June 2019
Carolyn Male '68M (PhD),
June 2019
Harry Trost '68,
August 2017
Michael I. Berger '69 (MA),
June 2019
Judith Ungrodt Evenson '69E
(PhD), April 2019
James W. Hudson '69E (DMA),
June 2019
Joseph R. Nunn '69S (MBA),
May 2019
Ronald L. Schlitzer '69M (MS),
March 2019
Joan Lipscomb Solomon '69W
(Mas), June 2019
Susan E. Stephens '69,
May 2019
Robert Stoessel '69,
September 2017
Mark A. Thorn '69,
July 2018
Kenneth R. Tintinger '69W (Mas),
March 2019
Samuel J. Lanzatella '70,
May 2019
Ray S. Messenger '70S (MBA),
April 2019
Dale W. Olson '70 (PhD),
May 2019
Paul J. Wiesner '70M (Res),
June 2019
David P. Willoughby '70E (PhD),
March 2019
Donald J. Galvin '71,
March 2019
Deborah Rolfe Dabczynski '72E,
March 2019
Pamela Roman '72,
November 2017
Robert W. Smith '72M (MD),
May 2019
David N. Weart '72W (EdD),
April 2019
Christine Bodelson '73, '77N,
April 2019
Baruch Gur '73 (PhD),
June 2018
Frank M. Smith '73,
April 2019
William P. Kirk '74M (PhD),
April 2019
Frederic W. Chapin '75 (MS),
June 2019
Peter B. Lounsbury '75S (MBA),
April 2019

William E. Uhlendorff '75,
June 2018

Terry J. Donovan '76S (MBA),
June 2019

Richard G. Ensman '76, '82 (MS),
May 2019

Clifford T. Rubenstein '76,
May 2019

Elizabeth Sammons '76,
May 2019

Beth Abrams '77,
December 2017

James C. Powers '77M (Res),
April 2019

Kathryn Paden Touhey '77,
May 2019

John F. Oddo '78E (MM),
April 2019

Craig H. Duncan '79M (PhD),
June 2019

Tania Homonchuk '79M (MD),
April 2019

Howard Sohnen '79M (MD),
May 2019

Byron E. Carson '81,
June 2019

Joseph D. Deal '82 (PhD),
April 2019

Rosemary Fontaine '83,
March 2019

Dennis P. Lorah '83 (PhD),
June 2019

Lawrence Pass '83M (Res),
June 2019

Mark S. Hierholzer '84E (MM),
September 2018

Joan Samuels Schwartz '84, '89
(MS), April 2019

William C. Ness '85M (MD),
April 2019

Elaine Abbott '86W (Mas),
June 2019

Bruce R. Waring '88,
January 2019

Christopher Kent '89M (MD),
May 2019

F. Matthew Jackson '91,
March 2019

Seth L. Abrams '92,
April 2019

Joshua B. Levine '93,
May 2019

Melissa Greene '95,
April 2019

Donna Marie McCagg '95N (MS),
June 2019

Ellen Swartz '96W (PhD),
January 2018

Chalice (Summer) Averett '99, '16S
(MS), November 2018

William E. Schneider '00M (Res),
'05M (Res), March 2019

Yuri Blinov '09E (DMA),
April 2019

Troy Harrison '13M (Res),
March 2019

Zachary Cook '18,
April 2019

TRIBUTE

Douglas Crimp: 'To Live a Creative Life'

Douglas Crimp changed my life. He also saved my marriage, which is funny, since he thought marriage was a repressive institution of the state. But that was Douglas—incisive mind, capacious heart.

My husband and I were married in Rochester the weekend before I started in the PhD program in Visual and Cultural Studies. The first two years were a rough transition for us, not least of all because we Southern Californians had never experienced winter and we moved to Rochester without a car. So when Douglas, the Fanny Knapp Allen Professor of Art History, loaned me his car while he was traveling, our life became easier. But more than the car, it was the talks with Douglas to and from the airport that felt freeing. He was always going somewhere, writing something new, visiting some brilliant scholar or curator or artist. I cherished those car rides. His feet were so big, sometimes when he'd push the gas pedal his foot would inadvertently also press down on the brakes. I remember his big winter gloves on the steering wheel. The smell of brakes. I miss listening to him. If he was going on a long trip, he would bring me his citrus fruit so it wouldn't go to waste. On one of our rides, he told me that when he was growing up in Idaho, one birthday he wished for all the bacon he could eat. So I started getting bacon for him. Oranges out, bacon in. That was our routine. When he was away, I'd drive around Rochester in his rusty green Nissan Sentra, listening to his opera cassettes, and I'd imagine the constellation of artists and activists and theorists that surrounded Douglas, and that I might someday be a part of too.

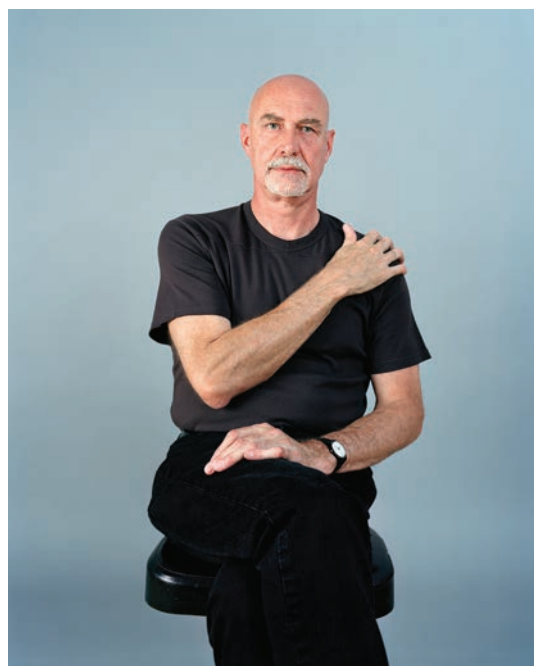
Then Douglas hired me to assist him with the research for his book on Andy Warhol's films. He was adamant that my work for him not interfere with the progress of my own research. Little did he know that this would be one of the most inspiring and informative experiences of my life. In helping him, I learned how he researched, what threads he followed, how he put it all together.

When Douglas died in July, those who had encountered his work remembered him as one of the world's most important critics of contemporary art and a foundational thinker in queer theory. For me, he was a friend and a mentor, from whom I learned how to write.

Douglas was a beautiful writer. But he didn't archive himself. He threw away most of his early drafts. He cared more about living and thinking than he did about keeping things. He told


me the prospect of owning real estate terrified him, so he rented. I remember visiting him at his apartment in New York City. His huge desk and bookshelves occupied the "living room." We were eating lunch amidst his orchids at the small table near the windows, and the Fed Ex man walked in. Douglas said it happened all the time because "they don't think anyone lives here"—all the other building occupants were businesses.

Douglas expressed his resistance to normativity in his scholarship, his activism, in the art he loved, and the way he lived. He wrote me once saying that he felt like a "freak" in Rochester because, "I went to see the live broadcast of the



ARTFUL LIFE: World-renowned art critic and queer theorist Crimp, seen in a portrait by photographer Catherine Opie, cared "about living and thinking."

Bolshoi production of *The Pharaoh's Daughter* (admittedly not the best-known ballet) at Tinseltown Greece and I was the ONLY person in the audience." I love to imagine him there, in that suburban multiplex theater, all alone, watching ballet. I find it totally inspiring.

As I look back on all that Douglas taught me about the queer world and art and writing, I realize that what he really showed me is what it means to live a creative life. 

—LUCY MULRONEY '13 (PHD)

Mulroney is the associate director of collections, research, and education at the Beinecke Rare Book & Manuscript Library at Yale. She is also the author of Andy Warhol, Publisher (University of Chicago Press, 2018).

Books & Recordings

Books

The Little Book of Pain Management

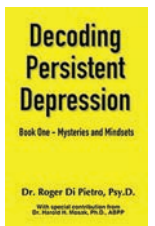
By James Woods et al
University of Rochester, 2019



Woods, a professor in the Department of Obstetrics and Gynecology at the Medical Center—joined by contributors from the Medical Center’s departments of anesthesiology, psychiatry, surgery, and others—offers a comprehensive guide to understanding the biology and management of pain.

Decoding Persistent Depression: Book Two—Mind and Body Mysteries

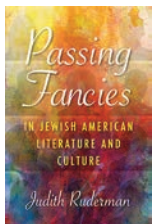
By Roger Di Pietro '04M (Pdc)
Lulu, 2019



In the second book in a series, Di Pietro, a clinical psychologist in private practice, explores common perceptions of mind-body dichotomy, the conscious and unconscious, the role of emotions, defining neurotic characteristics, the diverse origins of problematic perceptions and goals, and the functions of various symptoms.

Passing Fancies in Jewish American Literature and Culture

By Judith Ruderman '64, '66W (MA)
Indiana University Press, 2019



Ruderman, a visiting scholar of English at Duke University, explores the phenomenon among American Jews of “passing” in and out of Jewishness, showing the ways in which American Jews have balanced deep engagement in Jewish history with an understanding of identity as fluid and multifaceted.

Extremism and Violent Extremism in Serbia: 21st-Century Manifestations of an Historical Challenge

Edited by Valery Perry '92
ibidem Press/
Columbia University Press, 2019

Perry explores the varieties of extremism in Serbia and their interconnections. While much attention has focused on the



threat of ISIS-inspired groups, she argues that far-right nationalism and neo-Nazi movements pose the greater threat. Perry is a consultant and a senior associate with the Democratization Policy Council in Bosnia and Herzegovina.

The Winter Army: The World War II Odyssey of the 10th Mountain Division, America's Elite Alpine Warriors

By Maurice Isserman '79 (PhD)
Houghton Mifflin Harcourt, 2019

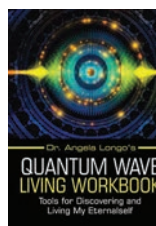


Isserman tells the story of the US Army mountain troops—the first specialized alpine fighting force in American history—who broke the last line of German defenses, in the Italian Alps, in 1945.

Isserman is the Publius Virgilius Rogers Professor of American History at Hamilton College.

Dr. Angela Longo's Quantum Wave Living Workbook: Tools for Discovering and Living My Eternalself

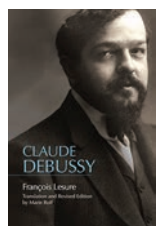
By Angela Longo '70
Balboa Press, 2019



Longo offers a self-help workbook intending to guide readers “to an understanding of how a quantum worldview can be used to structure a successful life.” She has a doctorate in biochemistry from the University of California, Berkeley.

Claude Debussy: A Critical Biography

By François Lesure; translated from the French by Marie Rolf '77E (PhD)
Boydell & Brewer, 2019



Rolf presents the first English translation of Lesure’s comprehensive biography of the influential composer Claude Debussy. Rolf is senior associate dean of graduate studies and a professor of music theory at Eastman. The book is part of the Eastman Studies in Music Series.

The Red Ribbon: A Memoir of Lightning and Rebuilding After Loss

By Nancy Freund Bills '76 (MA)
She Writes Press, 2019



In a memoir of love, grief, and survival, Bills reflects on her life after a freak lightning strike left her husband dead and her son in critical condition. Bills is a retired clinical social worker.

Principle Based Enterprise Architecture: A Systematic Guide to Enterprise Architecture and Governance

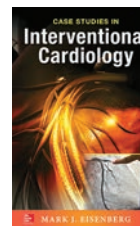
By Ian Koenig '82
Technics Publications, 2019



Koenig provides a guide to Principle Based Enterprise Architecture, or PBEA, a method of enterprise architecture he honed as chief architect most recently of LexisNexis, and before that, Thomson Financial and Reuters.

Case Studies in Interventional Cardiology

By Mark Eisenberg '85M (MD)
McGraw-Hill Education 2019



Eisenberg’s e-book includes firsthand accounts of 50 cardiac catheterization cases featuring coronary anomalies and severe complications that may occur during coronary angioplasty. The accounts are accompanied by videos and self-review questions. Eisenberg is the director of the MD/PhD program at McGill University in Montreal.

The Last Offering

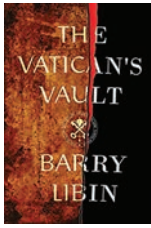
By Donald Graff '87
BookLocker, 2019



Graff’s debut novel “tells the tale of the lovers Pazhd and Atirin, sundered by deadly sorceries and the return of a forgotten evil in an ancient land.”

The Vatican's Vault

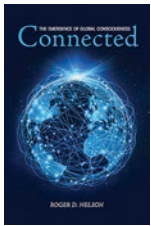
By Barry Libin '65
Milford House Press, 2019



Through a story of intrigue and murder, Libin explores divisions within the Catholic Church as well as the commandment “thou shall not covet.”

Connected: The Emergence of Global Consciousness

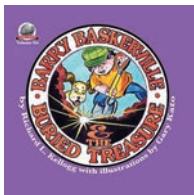
By Roger Nelson '62
ICRL Press, 2019



Nelson describes the Global Consciousness Project, a 20-year research program stemming from his work at Princeton University's Engineering Anomalies Research Lab, and other scientific work on human consciousness.

Barry Baskerville and the Buried Treasure

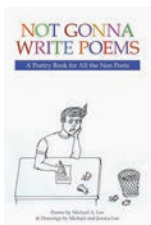
By Richard Kellogg '70W (EdD)
Airship 27, 2019



Kellogg presents the sixth volume in his detective series designed to help young readers develop problem-solving skills.

Not Gonna Write Poems: A Poetry Book for All the Non Poets

By Michael Lee '90
Lulu, 2019



Lee presents a collection of whimsical poems and sketches for children. The book includes illustrations by Lee and his 10-year-old daughter, Jessica.

Billionaire's Paradise: Ecstasy at Sea

By Peter Antonucci '82
Willow Street Press, 2019



In his debut novel, Antonucci tells a tale of the scandalous lives of a group of socialites in Manhattan and the Hamptons who purchase and live on a mega yacht.

Lost in Startuplandia: Wayfinding for the Weary Entrepreneur

By E. Keller Fitzsimmons '93
Lioncrest Publishing, 2019



Fitzsimmons presents a field guide of personal “trials and triumphs, as well as those of other entrepreneurs, to share our most valuable lessons for surviving start-up failure.” Fitzsimmons is a co-founder of Custom Reality Services, a virtual reality (VR) production company.

The Joy of Cruising: Passionate Cruisers, Fascinating Stories

By Paul Thornton '79S (MBA)
BookBaby, 2019



Thornton offers anecdotes, stories, and profiles of cruisers from around the globe. He lives in Fort Myers, Florida.

Stick Up for Yourself! Every Kid's Guide to Personal Power and Positive Self-Esteem (Revised)

By Gershen Kaufman '69 (PhD) and Lev Raphael
Free Spirit, 2019



Kaufman coauthors a revised edition to the book originally published in 1999. He has also released *A Teacher's Guide to Stick Up for Yourself! An 11-Session Course in Self-Esteem and Assertiveness for Kids* (Free Spirit). Kaufman is a professor emeritus of psychology at Michigan State University.

Recordings

Grace Williams: Chamber Music

By Madeleine Mitchell '81E (MM)
Naxos, 2019



Mitchell and her London Chamber Ensemble perform world-premiere recordings of music by Welsh composer Grace Williams.

The recording was featured in March as the *Guardian's* CD of the week. Mitchell is a professor of violin at the Royal College of Music in London.

Brahms: String Quintets

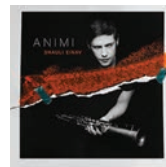
By Maria Lambros '85E
Naxos, 2019



Lambros, a violist and faculty member at Johns Hopkins University's Peabody Conservatory of Music, performs with the New Zealand Quartet, which includes first violinist Helene Pohl '85E.

Animi

By Shauli Einav '08E (MM)
Berthold Records, 2019



Jazz saxophonist Einav presents his sixth album as a quintet leader.

Winds of Change

By Alexa Tarantino '14E
Posi-Tone, 2019



Jazz saxophonist Tarantino presents her debut recording as a band leader. Performing in her quartet is trombonist Nick Finzer '09E.

Dupré: The American Experience

By David Baskeyfield '14E (DMA)
Acis Productions, 2018



Organist Baskeyfield performs music of legendary virtuoso Marcel Dupré.

Max Stern: Retrospective

By Max Stern '69E
Israel Music Institute, 2019



The Israel Music Institute presents a retrospective recording of biblical compositions by Stern, a professor emeritus at Ariel University.

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 email to rochrev@rochester.edu.

Tuning in to Sonic Culture

Take out your earbuds and just listen. The world may “look” different, says musicologist Gabrielle Cornish '13, '16E (MA).

Interview by Karen McCally '02 (PhD)

I studied music and Russian studies at Rochester as an undergrad and then did a Fulbright year in Russia. When I came back to Eastman for the PhD program in musicology, I didn't even know there was a field called sound studies. I had never heard of that. Fortunately, in our first-year graduate student seminar, our professor, Lisa Jakelski, took us through things like gender and music, sexuality and music, race in music—and we had a day on sound studies.

I had just come back from a year in Siberia, and I remember walking around my hometown and having to stop because I heard the sound of crickets. I hadn't heard that the entire time I was in Siberia. The period of absence really reinforced that sound and made it quite loud, so to speak. So as we were going through the literature on sound studies, all I could think was how sound could place me not only physically but also temporally.

We become conditioned to different listening contexts, and they become part of who we are and how we ground ourselves in a moment in space. When I teach sound studies, I challenge students to go about their business without listening to music and just to

listen. What things do they hear? Walking down the street, do they hear construction? How do they know when to cross the street? Is it just by looking at the light that tells you to walk, or is it also from hearing the sound of beeping? Likewise, technologies like Facebook and iPhones use specific sounds for messages and texts. That's very much a conscious decision on the part of the companies to brand their sonic identity.

Music and sound can tell us a very different story about moments in history than looking at the material or the visual can. I'm researching sonic culture in the Soviet Union, and narratives have really coalesced around material and visual culture. Americans are familiar with the Kitchen Debate—that iconic image of Richard Nixon and Nikita Khrushchev debating the merits of capitalism versus communism while standing outside a model kitchen with fancy American appliances. Who's got the bigger kitchen, who's got the nicer appliances?

Looking at the sonic side of things, if you look at what Soviet citizens are writing and saying about improved appliances like televisions, radios, and record players, you start to see a narrative about a brand-new listening etiquette. People were saying, “We're glad for the material reforms, but how do we actually be respectful, sonically?” What they often argued was that the Soviet Union was supposed to have a commitment to the health and welfare of the masses that capitalist countries did not. New York was a very popular foil, as “the city that never sleeps.” That's not healthy. So the view was, how do we have progress but with an awareness of social impact.

Gabrielle Cornish '13, '16E (MA)

PhD candidate (musicology) at the Eastman School of Music; Critical Language Scholar, summer 2012; Fulbright Scholar (Russia), 2013-14; author of “The Soundtrack to Space Exploration,” in *Slate* magazine, February 2019

On the distinction between music and noise:

“At its core, it's a value-based distinction. Music is good; it implies something that's organized. Noise is bad, noise is disorder, noise is chaos. In the 20th century, a lot of composers pushed against that. And I think about discourses that emerged in the 1980s and 1990s against rap and hip hop—that's just drums and noise—that were rooted in racism in addition to aesthetic values. There's a hierarchy, and it's something to be aware of but also something to push against.”

On the sonics of the University: “If you're on the River Campus, the carillon in Rush Rhees Library is a really powerful sonic landmark. That sound places you physically at U of R.”



I don't think there's a single American sonic culture. But I absolutely do think there's a growing concern for noise abatement in the United States.

A growing group of scientists, architects, musicologists, and just ordinary people are calling attention to it. There are things within our control, like the volume on iPods. But many things are out of our control. Restaurants and bars are becoming much louder. There are studies that show that the louder the music at a bar, the more people drink. So some businesses play music more loudly so that people will spend more money.

I live near the [Rochester pub] Old Toad. If I want to have a meaningful conversation, it's where I'll go, more often than not. It's a good little pub. And it's quieter. 🗣️

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**UNDERGROUND PHYSICS****Mining for Matter**

BETTER DETECTION: Members of the University's physics department—research engineer Erik Druszkiewicz '17 (PhD), PhD student Dev Ashish Khaitan '11, Yufan Qie '20, Jean Wolfs '18, professor Frank Wolfs, and PhD student Marcus Converse—pose for a photo at the Sanford Underground Research Facility, about 4,850 feet below ground in Lead, South Dakota. The team installed electronics equipment designed by Wolfs that will be used in an international effort to detect dark matter in the universe. When completed, the project, called LUX-ZEPLIN (LZ), will be the largest, most sensitive US-based experiment designed to directly detect dark matter particles.

PHOTOGRAPH BY DOUGLAS TIEDT, A POSTDOCTORAL ASSOCIATE AT THE UNIVERSITY OF MARYLAND