



THE STEVENS INDICATOR

SPRING/SUMMER 2022 ♦ THE MAGAZINE

ALUMNI ASSOCIATION

RETHINKING HOW WE WORK

*Stevens alumni are among
the many seeking work
that works for them*





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AT LEFT: Alumni Day Parade, 1911. Archives & Special Collections, Samuel C. Williams Library

ON THE COVER: Nathalie Ramos '14 M.Eng. '15, seen with her son, Ronan, works from home as a customer success account manager with Microsoft.

COVER DESIGN: Simone Larson Design

COVER PHOTO: John Emerson

PRESIDENT'S CORNER

HOMECOMINGS, CELEBRATIONS OF PROGRESS — AND LOOKING AHEAD

As I write to you in mid-April, life is returning to Castle Point. Cherry trees are blossoming outside Hoxie House, and the lawns of Castle Point are slowly unveiling their luscious green. Spring flowers are blooming. Students are everywhere. And our greater alumni community is returning to campus after two years of a pandemic that has strengthened some core beliefs: we need each other. And we must look ahead to our changed world with resilience and an unstoppable drive to make it better.

As many of you receive this copy of *The Indicator*, Alumni Weekend 2022 will be drawing alumni, their families and friends from across the country and around the world back to Stevens, to celebrate multiple reunions on campus for the first time since 2019. But this event to honor our past and celebrate the future of Stevens is one to which all alumni and friends are invited.

This spring also brought a grand opening of historic proportions: the ribbon-cutting for the new University Center Complex, coupled with a celebration of our successful *Power of Stevens* campaign, which made this magnificent structure — and life-changing initiatives to promote student success, faculty excellence and world-class campus facilities — possible. Merely an idea when we launched our strategic plan in 2012, this iconic structure is now a reality and the most visible symbol of Stevens' past decade of progress. With state-of-the-art residential space for close to 1,000 students and numerous facilities that will make this a modern hub for campus life, the University Center is just one example of the transformational progress Stevens has achieved over the past 10 years. Look for more coverage of the University Center Complex — and how it will transform life on Castle Point — in the Fall 2022 *Indicator*.

Stevens has reached new heights in the past decade, in almost every imaginable measure of performance and impact: enrollment growth, academic profile and diversity of our student body; growth of our faculty and increased impact in teaching and research; ex-



JOHN O'BOYLE

panded and modern physical and IT infrastructure; and increased engagement and support from our 50,000 alumni across the globe. While these achievements are impressive, I am most heartened by what they mean for our university's future. I invite you to review the progress of the past decade in the recently published *President's Report*, at rise.stevens.edu. I hope that you will take pride in all that we have achieved together and join us as we embark on charting the course for the next decade.

Indeed, as we celebrate our recent achievements, we look to the future. Stevens' Strategic Planning Committee, with significant input from various members of the university community, is working to

complete the strategic planning process to develop the vision for Stevens for the next decade. We look forward to hearing feedback and to sharing the plan, once adopted by the Board of Trustees.

Finally, I must recognize the alumni of this issue's cover story who have made career pivots — for the better — during the pandemic. Their passion, creativity and resilience inspire us all.

The university community, with our alumni, are poised in the years ahead to make significant contributions that materially improve the lives and future of our region, our nation and our global community. I am deeply thankful for everyone in our community who helps us to be a university on the rise.

Per aspera ad astra,

A handwritten signature in dark ink, reading "N. Farvardin". The signature is fluid and cursive, with a large initial "N" and a stylized "F".

Nariman Farvardin

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Published by

The Stevens Division of University Relations in cooperation with Stevens' Division of Development and Alumni Engagement

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alumni@stevens.edu**“A” BUILDING ART**

Congratulations on the excellent special anniversary issue that you recently published (Spring/Summer 2021). I enjoyed it immensely, finding it very informative as well as having the ability to bring back some old memories. It made me proud to be an alumnus.

I especially enjoyed the old print of the Stevens campus featuring the “A” Building that was used for the inside cover front page. I would like to learn more about the origins of this picture. ❖

— Stephen Novalany '70 M.S. '82

Editor's Note: The image below is titled “General View of the Grounds and Buildings of Stevens Institute of Technology: Including New Athletics Field.” It is dated 1906 and attributed to the artist E.J. Meeker. The print was produced by Photogravure & Color Co. A photogravure is an image that was produced from a photographic negative and then transferred to a metal plate and etched in.

REMEMBERING CHARLIE SUFFEL

I was deeply saddened to learn of Professor Suffel's passing in the Winter 2022 *Indicator*.

I recall as a student in the early '80s taking in Professor Suffel's presence. He did not look like a math professor, he looked

more like your favorite coach. He was fit and stood straight; built like a wrestler. Neither tall nor short, he was handsome and remarkably pleasant.

In class, he taught with an easy grace. Things were neither too hard nor too easy. All was accessible and clear. I learned more from him about precision and clarity than I ever did in some tedious freshman lab. He taught me much of the math that is the foundation of my career that I draw upon every day.

At this point in my life, I am still trying to learn to be more graceful, and to project out to the world the person that I wish I was. I saw that person 40 years ago in Charlie Suffel. ❖ — David Lapier '84

MoMA AND DIVERSE STEVENS CAREERS

Thank you for writing about Jean Savitsky '85 and MoMA in “Passionate Pursuit” in the Fall 2021 issue. Your article highlighted so much good information in a short space: renovation details, Jean's experience, management style, influences and family. The interview quotes effectively conveyed her voice and personality. The article is also a good example of the diverse careers of our alumni. Like the reverse of Rome and roads, many careers and dreams began with a degree from Stevens. ❖

— Greg O'Brien '85



Photogravure of Stevens campus by E.J. Meeker, 1906. Stevens Archives & Special Collections, Samuel C. Williams Library.



Meet One of ASCE's Collegiate New Faces of Civil Engineering

Stevens co-op student Yanqing Liang '22 was selected by the American Society of Civil Engineers (ASCE) as one of 10 “New Faces of Civil Engineering – College” for 2022. The award recognizes and celebrates future civil engineering leaders from around the world “who personify the promise of the profession,” for their academic excellence and commitment to serving others. It is the first time a Stevens student has been named to the prestigious list.

Liang hopes to use her civil engineering skills to uplift communities, similar to the way she feels her community supported her after she lost both parents to cancer as a child. “The opportunities I have been given and the experiences I have been through all nudged me into a STEM field where I can create positive impacts for my community,” she says. “I am really looking forward to opportunities to be part of the efforts to design sustainable and safe infrastructure.” Post-graduation, Liang plans to join Michael Baker International, an engineering firm in Newark, New Jersey. ❖

 **Read more about Liang:** stevens.edu/yanqing-liang

NEW RANKINGS TRUMPET THE VALUE OF STEVENS DEGREES

Stevens has once again been ranked among the top schools in the country for online education and return on investment (ROI).

In *U.S. News & World Report's* 2022 Best Online Programs rankings, released in January, seven Stevens online graduate education categories earned national recognition — including three ranked in the top 10 — across the Charles V. Schaefer, Jr. School of Engineering and Science, School of Systems and Enterprises and School of Business. Stevens claims the No. 1 program in New Jersey in six categories. This also marks the seventh year in a row that Stevens' online MBA has ranked No. 1 in New Jersey.

Meanwhile, a new report from the Georgetown University Center on Education and the Workforce, “Ranking 4,500 Colleges by ROI (2022),” places Stevens at No. 19 in the nation for return on investment 40 years after enrollment.

The report uses College Scorecard data to calculate the net present value of a credential from 4,500 U.S. colleges and training academies — a measure that essentially weighs the cost of paying for college against future earnings. According to the study, the net present value for a Stevens degree is \$2.047 million at 40 years, a value comparable to or exceeding that of other prestigious universities such as Carnegie Mellon, Columbia University and Georgetown University. ❖



See more rankings and recognition:
stevens.edu/rankings-and-recognition



STEVENS IS "ONE OF THE HEALTHIEST COLLEGE CAMPUSES IN THE NATION"

In March, Stevens received the prestigious 2022 Active Minds Healthy Campus Award in recognition of the university's commitment to the physical and mental health of its students. Active Minds, a nonprofit organization with chapters at schools across the country, is a leader in its support of mental health awareness and education for young adults.

For the past 10 years under the leadership of President Nariman Farvardin, Stevens has instituted a collective, strategic approach to student well-being. This has included convening and implementing recommendations from a mental health task force and integrating key student support services, such as Counseling and Psychological Services, Wellness Education, Health Services, Disability Services and Athletic Medicine, into a comprehensive Stevens Wellness Team, improving access and quality of care. ❖

 Learn more: stevens.edu/healthycampusaward



President's Report Details a Decade of Progress

Stevens Institute of Technology's 10-year strategic plan, *The Future. Ours to Create.*, has guided the university's successful transformation over the past decade to become a premier, student-centric, technological research university. Following the plan's conclusion in 2021, we take stock of all that we have accomplished in the past decade in the latest *President's Report*, published in early 2022.

Stevens' progress has been nothing short of remarkable by nearly every measure. The university's growth and achievements have provided life-changing opportunities for students, particularly those who have been underserved and underrepresented in STEM. The university's progress has attracted world-class faculty who are tackling critical and complex societal challenges and preparing tomorrow's leaders to solve real-world problems and fuel technological innovation. This transformation provides a launchpad for the university's future. ❖



Read more about Stevens' continued rise in *The President's Report: A Decade of Progress 2011-2021* at rise.stevens.edu

REMEMBERING PROFESSOR MANHAS



Maghar Singh Manhas, Hon. M.Eng. '74, professor emeritus who taught organic chemistry at Stevens for 40 years to generations of students, passed away peacefully on January 3, 2022, at the age of 99, surrounded by his family.

Dr. Manhas joined Stevens as a postdoctoral research associate in 1960 and rose through the ranks to become a professor of chemistry in 1970. He retired from Stevens in 1992 and was conferred the honor of professor emeritus. He continued to teach at Stevens into the late 1990s and served as an adviser into the early 2000s.

During his Stevens tenure, Dr. Manhas advised more than a dozen Ph.D. students, published more than 135

research papers and authored several books. He received research funding from the National Science Foundation, the National Institutes of Health and multiple private partners. He twice received the Ottens/Jess H. Davis Memorial Award for Research Excellence from Stevens.

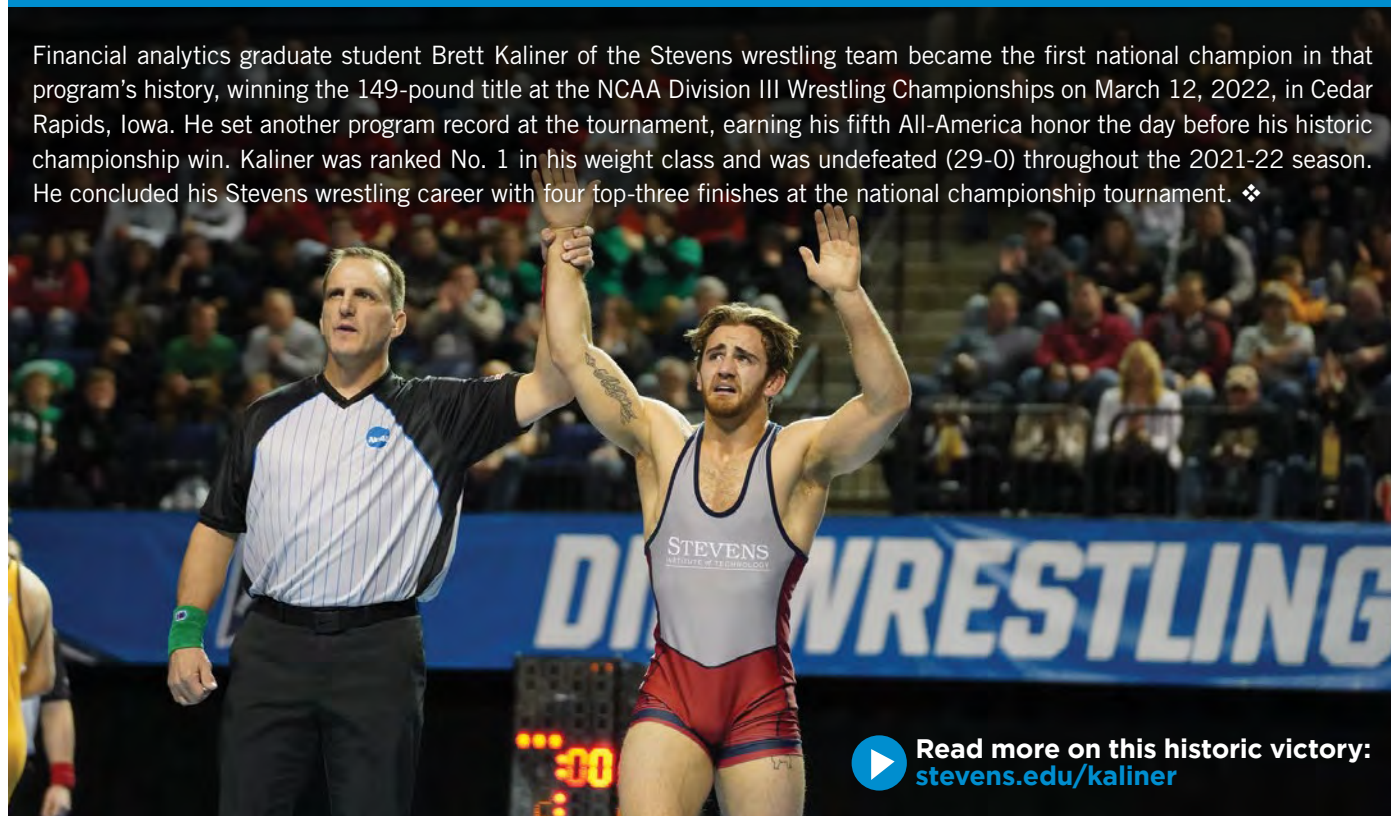
Dr. Manhas, who was born and raised in India, was an international authority on beta-lactams and spoke regularly at national and international conferences. He also served as a visiting lecturer at universities in Japan and China and at the Indian Science Congress, the Indian Pharmaceutical Science Association and the Indian Council of Chemists.

“Dr. Manhas is remembered as a deeply determined educator who dedicated his lifelong journey to his family and to his students,” his family said. “He strove for his family and students to achieve the very best of their abilities, *Per Aspera Ad Astra*.”

Surviving are his wife, with whom he recently celebrated their 68th wedding anniversary; five children; 11 grandchildren; and four great-grandchildren. ❖

KALINER BECOMES WRESTLING'S FIRST NATIONAL CHAMPION

Financial analytics graduate student Brett Kaliner of the Stevens wrestling team became the first national champion in that program's history, winning the 149-pound title at the NCAA Division III Wrestling Championships on March 12, 2022, in Cedar Rapids, Iowa. He set another program record at the tournament, earning his fifth All-America honor the day before his historic championship win. Kaliner was ranked No. 1 in his weight class and was undefeated (29-0) throughout the 2021-22 season. He concluded his Stevens wrestling career with four top-three finishes at the national championship tournament. ❖



▶ Read more on this historic victory:
stevens.edu/kaliner

PHOTO: MARISA LOMBARDO

SEA GRANT TEAM LAUNCHES PROJECT TO IMPROVE WATER QUALITY

A multi-institutional research team from New Jersey has begun a new \$1.3 million research project aimed at improving water quality in the mid-Atlantic region.

The effort, led by the New Jersey Sea Grant Consortium with Stevens, Montclair State University and New Jersey Institute of Technology as partners, is titled "Optimizing Green Infrastructures and Low Impact Developments to Mitigate Runoff and Pollution Impacts on Freshwater Systems."

Funded chiefly by the National Oceanic and Atmospheric Administration, the group will work to assess green infrastructure projects that hold promise to reduce stormwater pollution in the mid-Atlantic states — and improve the health of the nation's coastal waters and fisheries. ❖

▶ Read more about the project's goals: stevens.edu/seagrant

MEDIA HIGHLIGHTS

Paul Rohmeyer, an adjunct professor at the School of Business at Stevens, spoke to **The New York Times** about the privacy concerns related to workplace apps that use personal information and location tracking for an article, "**Swipe Right When You See a Conference Room You Like**," published on January 18, 2022.

Forbes interviewed **Gregory Prastacos**, dean of the School of Business at Stevens, about how schools should prepare the next generation to build and lead digital enterprises in an article, "**Technology Skills Needed for the 2020s: A Dean's-Eye View**," published on March 16, 2022.

Stevens President Nariman Farvardin, **Susan Gross**, assistant vice president for financial aid and undergraduate admissions, and **Constantin Chassapis**, senior vice provost for graduate education, were interviewed by **Inside Higher Ed** about the university's dramatic increase in enrollment over the past 10 years in an article, "**How Stevens Tech Attracts Applicants and Students**," published on April 25, 2022.

Alex Wellerstein, associate professor at Stevens' College of Arts and Letters, appeared on **CBS This Morning** on April 29, 2022, to demonstrate his **NUKEMAP** simulator and discuss nuclear threats with anchor Tony Dokoupil.



For more media highlights, visit stevens.edu/news/in-the-news

SAVE THE DATE
Fall Festival: September 23-24
Stevens Campus
Stevens alumni, parents, students,
faculty and staff welcome!

STEVENS DELIVERS ON MLB PITCHING RESEARCH

Stevens property was the birthplace of baseball as we know it today. The first game played between two clubs, under modern rules, took place in June 1846 on a riverside field just north and downhill from the present-day campus. Now, nearly two centuries later, Stevens biomedical engineering professor Antonia Zaferiou has initiated a data-focused effort to analyze pitching mechanics in an effort to both preserve body health and develop pitching power and velocity. Her Musculoskeletal Control and Dynamics Lab engages students in research — funded by Major League Baseball and in collaboration with Rush University — that examines how pitchers generate momentum and control body movement. Long-term, this research could help pitchers improve performance while reducing their risk of injury.



To learn more, visit stevens.edu/mlb/research



Rethinking How We Work

C OVID-19 has upended life as we know it. When the virus began spreading with abandon in the United States in March 2020, one of the first changes experienced by many was a shift from in-person work to working from home — a public health measure made possible by teleconferencing and other digital technologies. At the same time, those deemed “essential workers” and others who could not do their jobs remotely were suddenly required to take on heightened levels of risk to support themselves and their families.

After enduring continued disruption and uncertainty for the past two years, a collective restlessness seems to have settled over a large swath of the American labor force. According to the U.S. Bureau of Labor Statistics (BLS), an average of more than 3.98 million workers voluntarily quit their jobs each month in 2021, the highest average on record since the organization began tracking quits in December 2000. With so many employees leaving their positions, it’s no surprise that job openings have also reached a record high — more than 10 million per month from July 2021 through March 2022 (according to the most recent report available at press time). This phenomenon has come to be known as “The Great Resignation,” and it’s unclear how long it will continue.

While employees are leaving their roles across all industries, the healthcare, leisure and hospitality, and retail sectors have seen some of the highest rates of turnover, the BLS reports. Women have been quitting their jobs at higher rates than men. Mid-career



Joyce Harris '18 M.S. '18, owner of Third Avenue Chocolate Shoppe, at work.

employees, ages 30 to 45, have also been leaving at elevated rates, outpacing workers in the 20-to-25 age group who typically record the highest rates of turnover.

What is it about this moment in time that has prompted so many resignations? *The Stevens Indicator* asked two Stevens experts to weigh in. They share their perspectives here.

STRESS AND BURNOUT

At the start of the pandemic, employers across industries felt a sense of panic, and a sense of urgency. “We were asking, ‘How are we going to adapt?’” recalls Peter Dominick, an industrial organizational psychologist and teaching professor at Stevens’ School of Business. “I think that different people and organizations dealt with that with varying degrees of empathy and awareness.”

Employers demanded rapid action from employees who had the skills to respond to challenges, but this urgency led some to forget that everyone was going through a difficult time. “Accountability without empathy adds to that stress,” says Dominick.

“This time has been especially challenging for women,” he adds. School and daycare closures throughout the pandemic have forced parents to either take time off from work or leave their jobs altogether to fill childcare gaps. “Because the demands of work and family care have been disproportionately laid on women, that increased stress level has encouraged many to look for a change,” says Dominick.

BALANCE MADE POSSIBLE BY REMOTE WORK

For the past two years of the pandemic, millions of people have been working from home — many without a loss of productivity or opportunities for advancement. After demonstrating the ability to do their jobs from home, some workers are pushing back against requests from their employers to resume in-person work.

“I think the challenge for managers nowadays is that it’s not enough to say, ‘You’ve got to be back in the office.’ They’ve got to

be able to communicate a reason for why you have to be there,” says Dominick. “The last thing any of us wants to do is go to the office and be on Zoom.”

“During the pandemic, a lot of people moved out of cities,” notes labor economist Joelle Saad-Lessler, a teaching associate professor and associate dean of undergraduate studies at Stevens’ School of Business. “As employers start saying ‘Come back to the office,’ I think the reality of the commute is hitting people a lot harder.”

A January 2022 survey of 10,237 U.S. adults conducted by the Pew Research Center found that 60% of workers with jobs

“Change requires us to see things differently. It’s called upon all of us to step back and reflect on what we’re doing and ask, ‘How is this fitting into the bigger picture of who I want to be?’”

— PETER DOMINICK, Teaching Professor,
Stevens’ School of Business

that can be done remotely say that when the COVID-19 pandemic is over, they’d like to work from home all or most of the time if they have the choice. While the reasons for wanting to continue remote work vary, commonly cited benefits include more time with family, increased productivity, and time and money saved by eliminating a daily commute.

Telework has also opened up a wider variety of job opportunities to candidates who live outside of a commutable radius. “All of a sudden, job markets stopped being regional — at the very least they

became national, and in many cases global,” says Dominick.

HIGH DEMAND FOR QUALIFIED EMPLOYEES

With so many open positions and a smaller pool of potential employees to fill them, many employers are scrambling to find quality candidates. “This is a really good time for workers to name their price,” Saad-Lessler says.

Higher wages are not the only perks on the bargaining table — childcare and family benefits, remote work, flexible schedules, mental health benefits and employee resource groups are all becoming sought-after offerings.

With more opportunities to choose from, employees can feel more confident to walk away from jobs where they don’t feel valued. “If you have a workplace that’s respectful, that gives you agency, you’re more likely to stick with it because you feel more connection and loyalty to the employer,” says Saad-Lessler.

A SEARCH FOR MEANING

A survey of 20,000 workers across 10 countries by Bain & Company found that 58% of workers feel the pandemic has forced them to rethink the balance of work and life.

“We have all been faced with tremendous change,” says Dominick. “Change requires us to see things differently. It’s called upon all of us to step back and reflect on

what we’re doing and ask, ‘How is this fitting into the bigger picture of who I want to be?’ ‘How am I impacting the lives of the people I care about?’” This kind of reflection has led some workers to seek job opportunities that better align with their personal values.

“One of the things that I think people are looking for more now than maybe they did in the past is a connection to purpose,” says Dominick.

We asked four Stevens alumni to share stories of their own pandemic-inspired career pivots. Meet these alumni on the following pages. ♦ — Erin Lewis

“I found a better work-life balance for myself and my family.”

NATHALIE RAMOS '14 M.ENG. '15

Customer Success Account Manager, Microsoft

After earning a bachelor's degree in mechanical engineering and a master's degree in engineering management from Stevens, Nathalie Ramos '14 M.Eng. '15 jumped into a management role at a major utility company in the Northeast. “I was supervising union employees right out of college,” she says. Ramos was part of the company's leadership development program, a proven training ground for future directors and C-suite executives. During her six and a half years with the utility, she took on increasing responsibilities and earned several promotions. But while her work life continued on the steady trajectory she began post-college, Ramos' personal life was changing.

In 2017 she married Ryan Williams '14, and two years later, the couple purchased a home in suburban New Jersey. For Ramos, the move stretched her total daily commute from three hours to four hours, and her monthly budget for fuel, tolls and car maintenance climbed to about \$500. Ramos often found herself working late at the office to avoid the bumper-to-bumper traffic of rush hour. “I wouldn't get home until eight o'clock at night,” she remembers. “When it was just my husband and me, that was the norm. We'd have a quick dinner, go to sleep, and then do it all over again.”

And then suddenly, her commute stopped. Like so many others, Ramos began

working remotely in response to the start of the COVID-19 pandemic in March 2020. For almost two years, she did her job from home — and did it well (she was promoted once again in December 2020). The flexibility of remote work was a game-changer for Ramos and her husband, especially when they welcomed their first child, Ronan, in May 2021. But by the fall of that year, it became clear that the utility was ready to begin transitioning its employees back to the office, returning to a firm in-person work policy.

“[When I was pregnant] I remember everyone saying that when you have kids, it changes your perspective,” she says. “I was on a trajectory to keep climbing the corporate ladder, but once I had my son, I realized I just wanted to spend time with him.” Ramos was torn — she felt loyalty to the company that jumpstarted her career, but she knew that she didn't want to go back to commuting and miss out on precious time with her family. While she was considering her options, a friend from Stevens shared an interesting opportunity.

Dylan Ozyjowski '15 had been working in the construction industry before joining Microsoft in April 2021. On a visit to meet her new baby, he told Ramos about the flexibility offered in his new job and mentioned that she might be a good fit for the company. Within a few months, Ramos resigned from the utility and started working for Microsoft as a customer success account manager in January 2022.

“My previous work experience and ability to translate between engineers and customers made me the ideal candidate for my new role,” says Ramos. “I ensure my

Working remotely as a customer success account manager with Microsoft, Nathalie Ramos '14 M.Eng. '15 is no longer committed to a long and costly commute, and has more time to spend with her son, Ronan, during breaks throughout the day.



In Witness Whereof, the said this diploma to be
issued over the signatures of the President of the College
and the Chairman of the Board of Trustees and have affixed
thereto the corporate seal in the City of Hoboken, New Jersey
Aug 20, 2008
D. Krasinski
Regina P. Barchuk

and over the signatures of
and the Chairman of the Board
thereto the corporate seal in the
Aug 20
Regina P. Barchuk



JOHN EMERSON

“I hear from so many people that they didn’t have this opportunity raising their children, ten years ago, five years ago, even two years ago, so I don’t take that for granted. I’m so grateful to now be at a company that prioritizes a work-life balance.”

[enterprise] customers get the most out of their support agreements while also driving cloud adoption and paving the way for digital transformation so they can get the most value out of their technologies.”

Her new position allows her the freedom to choose between working at home or at the office. “You have options, I think that’s the big difference — you can choose to go in instead of being obligated.” Though Ramos employs a babysitter to care for Ronan while she’s working, she loves being able to see him throughout the day. “I can take him to doctor’s appointments, I can take a quick break to go hug and kiss him, or play with him for 30 minutes at lunch,” she says. “I hear from so many people that they didn’t have that opportunity raising their children, ten years ago, five years ago, even two years ago, so I don’t take that for granted. I’m so grateful to now be at a company that prioritizes a work-life balance.”

Ramos is also excited by the company’s culture. “I see the diversity, the inclusivity, the emphasis on employee well-being,” she says. Designated “unplugged” days — in addition to mental health and vacation days — are just some of the many benefits that she points to as evidence of Microsoft “walking the walk” when it comes to promoting wellness.

Transitioning into an entirely new industry was a bit daunting, but Ramos was paired with a mentor who helped orient her to her new workplace. Since developing and utilizing remote work tools has already been part of Microsoft’s business model for several years, Ramos feels that her new colleagues are well-practiced at welcoming newcomers virtually. “Everyone is so friendly, I already feel like part of the team,” she says. “Even upper management is very approachable here.”

When friends ask Ramos how she found her new career, she is quick to point out the importance of networking and keeping in touch with classmates. “I think we underutilize our network — everyone I graduated with from Stevens has really great jobs and are always moving up,” she says. “A lot of us get very niche in our work lives and aren’t aware of other opportunities that are out there ... I would never have considered this position if it weren’t for Dylan.”

◆ — Erin Lewis

A man wearing a white hard hat with safety glasses on top, a dark blue long-sleeved shirt, and blue jeans stands in a factory or industrial setting. He has his arms crossed and is looking directly at the camera. The background shows various industrial equipment, including a large blue barrel and metal structures.

“I’m making a difference in a critical industry.”

DAVID STEIN '18 M.ENG.'18 *Pilot Plant Engineer, Anellotech*

As a Stevens student studying chemical engineering, David Stein '18 M.Eng. '18 had a long-term goal of working in the renewable energy sector at some point in his career.

“I always thought of energy production as one of the most important industries worldwide, and it's apparent that we need to move to renewable, sustainable sources that are better for manufacturers and the environment,” Stein says.

He didn't think an opportunity to join the sector would come his way less than three years after he graduated from Stevens with his bachelor's and master's degrees. But like millions of other Americans, the COVID-19 pandemic prompted an unexpected — yet welcome — career pivot

“By trying to find new uses for waste plastic, we’re not only working toward a renewable energy source but also helping to reduce the massive load of plastic waste we have in our world, especially in our waterways.”



for Stein. After leaving ExxonMobil in late 2020, Stein joined Anellotech, a sustainable technology startup focused on creating renewable chemicals and fuels from biomass and waste plastics.

Stein is an engineer at Anellotech's pilot plant in Silsbee, Texas. The plant previously converted non-food biomass into hydrocarbons. Over the past year, the plant has shifted its focus to turning mixed waste plastics into commodity chemicals such as olefins and aromatics — the primary chemicals used to make recyclable plastic packaging and other projects.

“By trying to find new uses for waste plastic, we’re not only working toward a renewable energy source but also helping to reduce the massive load of plastic waste we have in our world, especially in our waterways,” Stein says.

The ultimate goal of the pilot plant — which will operate for the next couple of years — is to create the building blocks for renewable fuels, but the primary product of the pilot plant these days is data, Stein says. In addition to keeping the unit running, his team works to determine the right parameters for processing the waste plastic through the system. Then, the team hands off what they’ve learned to another Anellotech team charged with applying that knowledge to the future construction of a full-size manufacturing plant for the company’s investors.

The basic skills required of Stein’s role at Anellotech don’t differ greatly from his previous role, he says. The application of those skills, however, is another story.

“My [previous] role was more about keeping the process moving. A lot of what I had to do was already set in stone,” he says. “Here, things are more flexible and experimental. It’s a lot of research and experimentation.”

Also, because the pilot plant team is much smaller, Stein wears a lot of hats, from process control engineer to pipe-fitter.

“I know the unit as well as anyone else down here,” he explains. “My input



is recognized and more meaningful than it was before, and I feel like I’m really contributing.”

Stein credits the strength and breadth of his Stevens experience for the success he’s had so early in his career as well as his smooth transition between jobs in the middle of a global pandemic. In addition to his foundational knowledge in chemical engineering, Stein says he leans often on his work with WCPR – Castle Point Radio, of all things.

“When I was at Stevens and part of the radio station, it was a lot of balancing, coordinating, scheduling mobile units, getting people to go and run our events,” he recalls. “To be able to coordinate and balance with different groups of people is important. If something goes wrong in one area of the plant, I need to coordinate and get people from different areas to come and help.”

Participating in Stevens’ cooperative education (co-op) program also prepared him to work in a variety of different environments, from research and development to process management. That’s why, when an opportunity arose to connect Anellotech with current Stevens students, Stein jumped at the chance to build a bridge.

Although Anellotech’s lab facility is in Pearl River, New York — only about 30 miles from Hoboken — the nearly 15-year-old

company hadn’t made a formal connection to Stevens. But when Stein learned the facility’s director of reaction engineering sought summer interns, he offered to share the job description with his Stevens adviser and the chemical engineering honor society on campus. Several students applied; two were hired and one returned over the winter break for a few weeks. From his conversations with both the Pearl River staff and the Stevens students, Stein says, it seems like both sides were pleased with the partnership.

“It’s definitely satisfying to be able to give back,” Stein says. “I’m fortunate and thankful that I was part of the co-op program ... To be able to create this new opportunity for students and establish a relationship with our company moving forward, that’s pretty gratifying.”

Also gratifying: Seeing a wide-open career path just a year and a half after leaving one of the largest companies in the world.

“It was frightening, but overall, I think I’m a lot happier,” Stein says of the change. “In big companies, you follow the road they prescribe for you. Here, it’ll be easier for me to branch out and choose what I want to do going forward. Starting a pilot plant is a big thing, it’s not very common, so it’s been a unique experience.

“I definitely feel like I’ve landed on my feet.” ❖ — Kristin Hanson

As an engineer with sustainable technology startup Anellotech, David Stein '18 M.Eng. '18 fulfilled his ambition of joining the renewable energy sector, working at the company's pilot plant in Silsbee, Texas.



“I made my dream of owning a small business a reality.”

JOYCE HARRIS '18 M.S. '18

*Owner, Third Avenue Chocolate Shoppe
Adjunct Professor, Stevens Institute of Technology*

Joyce Harris '18 M.S. '18 remembers trick-or-treating between local businesses in her hometown of Spring Lake, New Jersey, as a 10-year-old. That Halloween, she joined a crowd of kids inside Third Avenue Chocolate Shoppe who eagerly accepted candy necklaces from the store's then-owner, Matt Magyar. Harris received the last necklace, but selflessly gave it to a boy who hadn't gotten one. "At that moment, Matt looked at me and said, 'When you're old enough for a job, come find me at the store,'" she recalls.

When she turned 14, Harris returned to Third Avenue Chocolate Shoppe to take Magyar up on his offer. She worked at the store — which has been a Spring Lake staple for 32 years — throughout high school, building relationships with both employees and customers, and even learning how to make some of store's original recipe candies. Once she started her studies at Stevens, Harris continued to work at the store in the summer and picked up shifts during school breaks. It wasn't until she graduated in 2018 with a bachelor's degree in business and technology and a master's degree in information systems that she decided to hang up her apron and enter the corporate world.

Harris joined Scholastic as a business analyst in their technology division. In

her role, she served as a conduit between software engineers and customers, helping to manage the creation of a content management system for the company. After two years with Scholastic in New York City, the lease on her Hoboken apartment was nearing its end. "I knew that I wanted to move a little bit closer to where I grew up," says Harris. She quickly found a new opportunity with Holmdel, New Jersey-based Work-Wave, a company specializing in field service software for industries like pest control, landscaping, cleaning services and more.

"I started my job on March 1, 2020, and then on March 13, [the company said] 'okay, everyone's going to work from home for two weeks,'" she remembers. "And then two weeks turned into, you know... forever." While some workers welcomed the shift to remote work prompted by the COVID-19 pandemic, Harris found it difficult — especially as a new employee tasked with facilitating communication between teams she'd never met face-to-face. "It took me about six months to adapt to the role and figure out everyone's personalities," she says. "When you're in the office you take for granted how much easier it is to pick up on team dynamics."

Eventually, Harris developed good virtual relationships with her coworkers, but something still didn't feel right. "Even though I loved the company I worked for, I started to realize that I didn't love the work I was doing," she recalls. While sharing a home office with her husband, William Harris '19, she couldn't help comparing their work experiences. "He's an engineer and loves what he does," says Harris. "It was hard for me to see him have that passion and not feel it myself."

Just as Harris was beginning to consider a pivot to another position or industry in February 2021, she got a call from her



Joyce Harris '18 M.S. '18 dreamed of owning Third Avenue Chocolate Shoppe when she retired in the distant future — a business in her hometown of Spring Lake, New Jersey, where she worked part-time while in high school and college. When the opportunity to purchase the store came earlier than expected in May 2021, she jumped on it.

Easter holidays are some of the busiest of the year, requiring months of advance preparation to ensure enough seasonal specialties are on hand. Since Spring Lake is a shore town, the summer also means an uptick in walk-in sales from vacationers.

While Harris is typically at the store seven days a week, she finds balance by delegating tasks according to the talents of her rotating staff of 17 employees — an important management skill she learned at Stevens. “When I’m not the best at something, it’s better to let someone else take the reins,” says Harris. “I like to be in control of most things at my business, but there are some things I’m not great at — for example, social media. In those aspects, I find someone who I trust and let them run with it. It can be scary at times, but it’s important to ensure I have a life and time outside the business.”

As a small business owner and Stevens alumna, Harris is uniquely qualified for her second job — teaching a course on entrepreneurship as an adjunct professor with the School of Business at Stevens. When planning her lessons, she strives to present the material in a relatable way for her students. This means bringing in young alumni entrepreneurs as guest speakers and sharing her own journey with Third Avenue Chocolate Shoppe. “I am really transparent with them about what it’s like starting off [as a new business owner],” she says. “They can ask questions like, ‘How do I start an LLC?’ and I can answer them since I’m not far removed from that experience.”

Now with a year of ownership under her belt, Harris is glad that she took a chance on the Shoppe. “I wake up every day excited to go to the store ... I have a big sense of pride,” she says. “It is not often that dreams are sitting in front of you so attainable.” ♦ — Erin Lewis

JOHN EMERSON

former boss at Third Avenue Chocolate Shoppe. After 32 years of candy making, Magyar was ready to retire. “I always joked with him that if he ever wanted to sell the business to let me know because I loved it so much,” laughs Harris. “I called it my retirement dream.” After a few conversations with Magyar, her dream was on the way to reality much sooner than she ever anticipated.

“I was nervous about leaving behind a stable salary,” she admits. “I had just gotten married and bought a house, I was contributing a lot to our mortgage and bills ... it was definitely a little leap of faith.” Harris was encouraged by the Shoppe’s proven track record of success plus the support of her husband and insight from her father, who had owned a business before he retired. She also knew she could draw on the skills she learned in her Stevens business classes, including accounting, marketing and management.

Following a few months of legal and administrative work, Harris became the official owner of Third Avenue Chocolate Shoppe on May 1, 2021. One of her first tasks as the

new proprietor was to learn how to make the incredible array of specialty chocolates sold at the store. “We have over 100 chocolate products and about 90 to 95 percent of them are made on the premises,” she says. Harris kept Magyar on as a consultant for a few months so that he could give her a crash course in candy making. “The hardest part isn’t working with the chocolate, it’s all of the stuff you have to cook, like caramel, toffee and fillings,” she explains. “The fillings are a little more intensive because it’s really recipe- and temperature-driven.”

The store’s top sellers are their turtles — dollops of creamy caramel with nuts cloaked in milk or dark chocolate — but Harris’ personal favorites are their dark chocolate mints and made-to-order chocolate-covered strawberries.

When she’s not making candy, Harris is serving customers. Third Avenue Chocolate Shoppe has a lot of regulars — from kids who stop in for a treat after school, to corporate customers who order hundreds of boxes of chocolate as client gifts. The Christmas and



“I realized retirement isn’t for me”

MIKE MCGUIRE '78 *Director of Continuous Manufacturing, Continuity Pharma, LLC*

Mike McGuire '78 spent more than three decades with Smith, Kline and French (later GlaxoSmithKline), first “at the bench” in the chemistry lab, rising to manager and company expert. Over 14 years, he led a big team — working in the lab himself — to develop Votrient, a drug still used today to extend the lives of patients with kidney cancer.

When *The Indicator* met McGuire during a Zoom call on St. Patrick's Day earlier this year, he was wearing his green — bright green t-shirt, shamrock ball cap. He's a talker and a good storyteller. And he's a family man; he and his wife have four children and

a granddaughter. A few years back, he shared a family portrait with *The Indicator*: the McGuire clan dressed in matching Philadelphia Eagles hats for their Christmas photo.

After 36 years with Big Pharma, it seems retirement would make sense for this family man. He tried for about six months, and it didn't take. A fervent love of his work, a restlessness, a pull to address a long-simmering health issue — now worsened by the pandemic — brought him back into the chemistry lab. The fact that he hadn't worked in a lab in 15 years made him a little nervous.

"But it turns out, your hands never forget," McGuire says. "I mean, I had 30 years of being an organic chemist; you just reach naturally for what you need to have, and you don't forget it. You have a memory."

"But it turns out, your hands never forget. I mean, I had 30 years of being an organic chemist; you just reach naturally for what you need to have, and you don't forget it. You have a memory."

In October 2020, McGuire and his wife Mary moved 700 miles across the country to an apartment in West Lafayette, Indiana, so he could take a job in "small pharma": with Continuity Pharma, LLC. The four-person start-up — with lab space on the campus of Purdue University, as part of its incubator program — has a big mission: to manufacture important generic drugs that are in short supply in the U.S.

"Our mission is to democratize the production of generic drugs and to help bring the manufacture of drugs back to the United States," McGuire says.

The company is currently working under a grant from the Defense Advanced Research Projects Agency (DARPA) to develop "continuous routes" to manufacture generic drugs through simple machinery and processes

that require less infrastructure but can produce a significant quantity of drugs quickly, safely and more cleanly.

More than 90 percent of generic drugs in the U.S. are actually manufactured abroad, McGuire says. Supply chain problems caused by the pandemic can put people's lives at risk as they depend on these life-saving medicines, he says.

"The pandemic showed me that we're really in big trouble in the United States because our supply lines or supply chains are so weak and so dependent upon foreign suppliers," he says.

COVID-19 also showed McGuire — who splits his time between West Lafayette and his home base in West Norriton, Pennsylvania — that he needs to continue to work in chemistry.

The startup is a new challenge, but

McGuire is actually going back to his roots of inventing new chemistry.

During the pandemic, the U.S. government identified about 100 drugs that are in short supply, McGuire says. Currently, under the DARPA grant, Continuity is focused on several drugs in the benzodiazepine class that treat anxiety, panic attacks, seizures, alcohol withdrawal, and are used in the operating room. His group is also working on a brain cancer drug.

Continuity, which was founded in 2018, aims to produce a machine — a flow reactor — that can make several different drugs of the same class in a simple and clean manner. This type of manufacturing differs from large pharmaceutical companies, which use 1,000-gallon reactors and huge plants and suppliers across the world, McGuire says.

The long-term hope is that Continuity's success would inspire the creation of dozens of other small companies in the U.S. manufacturing high-quality drugs.

McGuire, who serves as director of continuous manufacturing, says that early results are promising.

"We have a good working prototype for certain drugs," McGuire explains. "... For some of the benzodiazepines, we've been able to demonstrate that we can make hundreds of grams a day very simply, with very simple equipment. ... It's easy for some drugs, and it's really hard for some other drugs. So, you know from where we've come, I think we've come quite a long way."

To McGuire, who has a Ph.D. in organic chemistry from Colorado State University, his current work feels like his old grad student days — working long hours in the lab, even Saturdays, running experiments, filling hundreds of pages of notebooks with notes. Indeed, his old lab partner from grad school — David Thompson, a Purdue professor and co-founder of Continuity Pharma — recruited him for the job.

He looks back with fondness at his time at Stevens, where he was president of Chi Phi fraternity — an admitted frat boy who discovered his love of chemistry through two of Stevens' most respected chemistry professors, Ajay Bose and Maghar Manhas. (*See a remembrance of Professor Manhas, who passed away earlier this year, on page 6.*)

"I was very fortunate to go to Stevens," McGuire says. As early as freshman year, he got the chance to work with Bose and Manhas in their labs. "That time in the labs showed me what I wanted to do with my life," he says. "I worked there for four years and, after that, my career choice was never in doubt."

These days, the hours at Continuity are long. "I just imagine that I am still a grad student," McGuire says. "The trouble is, my 65-year-old body sometimes disagrees." He and his wife are enjoying a new life in a college town, and he will work as long as he can.

In the evening of his long career, McGuire continues to find meaning and purpose, in his work, his family and through his Catholic faith, too. He cites the motto, from St. Benedict, that he and his family strive to live by: "Ora et Labora" — prayer and work. ♦ — *Beth Kissinger*



After more than three decades in Big Pharma, Mike McGuire '78 decided to retire. Six months later, he joined "small pharma" startup Continuity Pharma, in West Lafayette, Indiana. The veteran chemist has dedicated the final stage of his career to tackling a big problem — the limited availability of generic drugs in the U.S.



JEFF VOCK

GREENING THE GRID

Stevens researchers help engineer a more reliable, equitable, sustainable power grid

It's clear the nation's power infrastructure needs an upgrade. At the same time, the ways we light and power our homes and businesses are also rapidly changing. Powered by the urgency of climate change, emerging renewable wind, solar, hydroelectric and other sustainable power sources are rapidly coming online.

And Stevens researchers are already working on reimagining the future of the nation's power delivery systems.

"We're interested in reimagining what the energy grid will look like," says graduate student Danielle Prezioso.

"This," says systems professor and data-driven design expert Philip Odonkor, who advises Prezioso and also conducts his own power-grid research, "is the future."

PLUGGING INTO THE NEIGHBORHOOD

In the U.S., electricity is typically created at a few points, by large facilities, at bulk scale. Step-down transmission systems and substations then move that energy to cities, towns and homes for distribution and consumption.

But the aging, complex networks that make it happen can develop problems.

"As you go from generation to delivery,

◀ **School of Systems and Enterprises professor Philip Odonkor and graduate student Danielle Preziuso are among Stevens researchers focused on creating a better power grid in the United States.**

there are congestion points both at the transmission and distribution level,” notes Odonkor. “These points of failure can cause problems when there is a disruption, such as an extreme weather event that causes a shock in supply or demand.”

Newly available renewable energy sources also require accommodating.

“Some of the most promising renewable energy resources won’t necessarily be located close to where most of the people are,” Odonkor says. “Storage capabilities will need to be built; infrastructure will need to be retrofitted or built from scratch.”

One way to accommodate new energy sources and build reliability, he says, is through smaller “microgrids” deployed in local communities and regions that efficiently manage the changes in local and regional energy demand that can cause blackouts and brownouts.

With a collaborating entrepreneur, Odonkor recently created a new AI-powered system known as Grid Discovery that inputs local data on population, climate, building stock, energy demand and other variables, narrowing down the ideal locations for situating local energy nodes and microgrids for community planners.

“Intelligently locating significant numbers of regional, community or neighborhood sustainable energy resources — that’s the goal,” says Odonkor. “And Stevens can be part of it.”

DIVING INTO ‘ENERGY EQUITY’

Preziuso’s own interest in renewable energy led her first to Iceland — a nation that runs almost entirely on renewables — for a master’s degree from Reykjavik University’s Iceland School of Energy. Later she took a position at the prestigious Pacific Northwest National Laboratory in Washington state before deciding to pursue a Ph.D. at Stevens.

“I was looking for programs that were interdisciplinary in nature, specifically those that looked at the interface of society, policy and technology,” she says.

As the U.S. moves toward a cleaner, more decentralized grid, Preziuso says, individual buildings will be key to that transition.

“Buildings can become valuable assets to the electric grid when they optimize consumption to not just meet the needs of their occupants, but also to improve grid conditions — for example, shifting consumption outside periods of peak demand,” she explains, noting that new technologies and building types are emerging to meet that need.

Even so, certain buildings, neighborhoods and communities are historically and technically more advantaged to leverage new power systems than others. Preziuso will study this societal aspect of the technology, as well.

“Understanding what sort of policy levers we can pull to more equitably distribute the benefits of a low-carbon electric grid is *critical*,” she emphasizes. “A low-carbon electric grid is not guaranteed to be equitable. So, we need to make sure we’re asking this question.”

DEMAND MANAGEMENT, STORAGE ALSO KEY

As it evolves, the nation’s energy distribution will also require more careful demand management during peak and off-peak periods, as well as the transitions between those periods.

“Consistency is the key,” explains Stevens professor Lei Wu, a national expert on power grid system management. “You can’t demand too much at the wrong time, and you also need to have your storage facility shedding, or sharing, energy during slow-demand times.”

Improved storage is a second unseen, but critical, element of sustainable power system planning.

“Energy storage is one of the key

“Intelligently locating significant numbers of regional, community or neighborhood sustainable energy resources — that’s the goal. And Stevens can be part of it.” — Stevens professor Philip Odonkor

technologies that can mitigate the variabilities and uncertainties involved in renewables such as wind and solar, as well as in demand response,” notes Wu.

To address these challenges, he develops algorithmic methods to optimize energy generated, stored, delivered and shed by local power stations. Wu, who works with researchers and industry partners in Oregon, Arizona, Missouri and Indiana, is developing new mathematical models to augment the operational efficiency and flexibility of hydropower technology.

The Department of Energy has awarded \$2.5 million to support the two projects, and the New Jersey utility Public Service Electric and Gas provides additional support as well.

Stevens researcher Junjian Qi also studies power grids, earning an NSF CAREER award in 2021 to study cascading failure and power system resilience, as well as additional NSF funding for a separate effort to develop systems that can coordinate photovoltaic, local energy storage and intelligent microinverters.

“We can’t rebuild the grid,” concludes Wu. “But we can redesign and optimize the tools that control and operate it to develop a greener, more efficient system that can withstand and rebound from weather extremes.” ❖ — Paul Karr

ALUMNI ANSWER THE CALL

MENTORS AND ADVISERS ARE STEADFAST SUPPORTERS OF STEVENS' SCHOOLS

In this department of *The Stevens Indicator*, we share enlightening discussions and stories featuring representatives of Stevens' schools. This issue features profiles of several alumni who serve as advisers, mentors and supporters of our students, professors and academic programs. They, along with other alumni and corporate partners, give of their time, talent and treasure by serving on advisory boards, hiring and mentoring Stevens students and supporting students and faculty — often behind the scenes. They are champions of Stevens whose generosity makes the university a better place.

BERNIE MCNEILLY '85 M.S. '89 SCHAEFER SCHOOL OF ENGINEERING AND SCIENCE

Bernie McNeilly '85 M.S. '89 has always pursued challenges. With more than 30 years of industry experience as president of the Northeast Region of WSP USA, Inc. — one of the world's leading engineering and professional services firms — some of his most noteworthy and iconic projects include program management of the reconstruction of the World Trade Center and, more recently, of the Moynihan Station Train Hall in New York City.

Just as he has pursued his career with passion, McNeilly made the most of his education at Stevens, where he played on the basketball team, served as president of the student council, edited the sports section of *The Link* yearbook, organized mixers and band performances and even DJ'ed dances.

Today, he is still giving back to Stevens.

"Bernie has given time, jobs, financial resources, advice and guest lectures to our university and students over the last 20 years," says Leslie Brunell '86 M.Eng. '90 Ph.D. '96, teaching profes-

sor in the Department of Civil, Environmental and Ocean Engineering (CEOE).

McNeilly and Brunell were undergraduates at Stevens when they met, and they have remained friends ever since. In 1999, when Brunell took on leadership of the civil engineering senior design course, she wanted to expose students to real-world engineering designs with real-life codes, standards and limitations.

"I called Bernie," she says. "He felt my idea was worthwhile and offered to mentor a design team." McNeilly has mentored teams ever since, guiding two teams this past school year, his 22nd year as a mentor and sponsor.

"In mentoring, I help students determine what they're interested in as far as career development," he says. "Some are very focused, while some are still trying to explore and find their way.

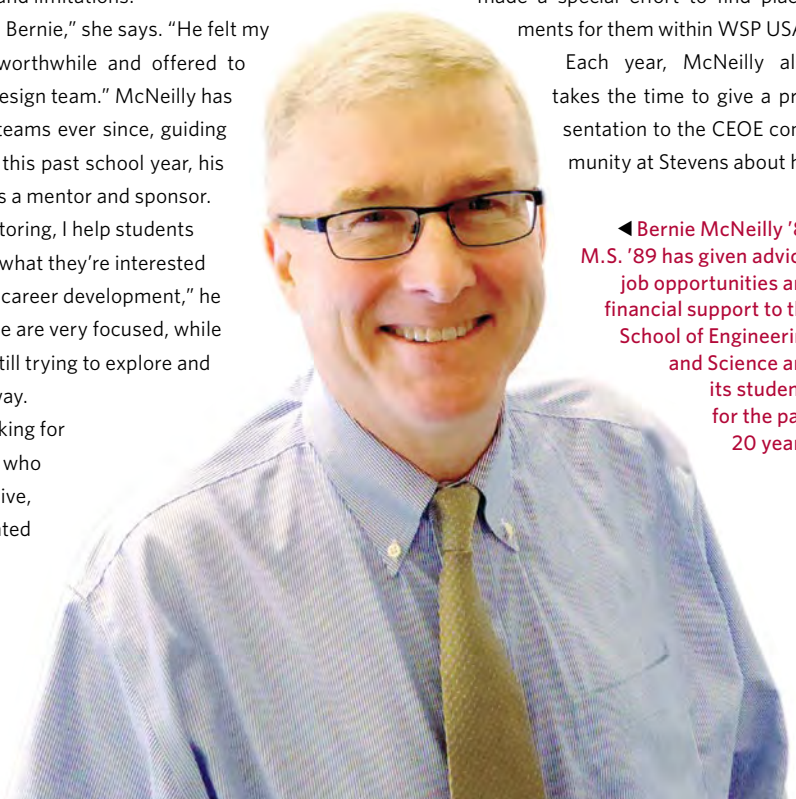
"I'm looking for individuals who are inquisitive, team-oriented and willing to figure things out

and learn as they go. I think those types of traits exist in a lot of Stevens students. I want to help Stevens students get to where they want to be."

In addition to supporting senior design, McNeilly and his team regularly hire graduates and provide summer internships. Throughout the COVID-19 pandemic, many students have had difficulty finding co-op positions, so McNeilly has made a special effort to find placements for them within WSP USA.

Each year, McNeilly also takes the time to give a presentation to the CEOE community at Stevens about his

◀ **Bernie McNeilly '85 M.S. '89** has given advice, job opportunities and financial support to the School of Engineering and Science and its students for the past 20 years.



career. “He is truly an exceptional ambassador for Stevens,” Brunell says.

McNeilly has also been a faithful donor, supporting students just as others helped him during his time at Castle Point.

“I did not realize while an undergraduate how fortunate I was to attend Stevens with some aid,” McNeilly says.

“Stevens challenged me to be better, and it was worth it! Over time, it has become more apparent how fortunate I was, and I want to give back so that others can have a chance to contribute as well.

“The ACES program (Accessing Careers in Engineering & Science) is a way to do this and is beginning to blossom as a program, to support those in need or less fortunate to do well.” ACES supports talented students with a financial need, many from underserved communities, and inspires them to pursue STEM careers.

“Continuing this initiative is important,” McNeilly says.

McNeilly credits his Stevens education for providing a broad-based education that launched his remarkable career.

“At Stevens I learned that you need to have a good, strong work ethic, to never give up, and to be resilient,” he says. ❖ — Kyla Buckingham

For more information on how to volunteer with and support the School of Engineering and Science, email Sarah Wells at Sarah.Wells@stevens.edu

GABRIELA GONGORA-SVARTZMAN PH.D. '20 SCHOOL OF SYSTEMS AND ENTERPRISES

Gabriela Gongora-Svartzman Ph.D. '20 is a proud graduate of Stevens' School of Systems and Enterprises (SSE) — and one of its most illustrious alumnae. She credits her academic experience, her professors and her numerous extracurricular activities at Stevens with helping propel

**Gabriela Gongora-Svartzman
Ph.D. '20 offers career
advice and support to students
and alumni in the School of
Systems and Enterprises. ►**



her to her current position: assistant teaching professor of information systems with Carnegie Mellon University's Heinz College of Information Systems and Public Policy. Her research is focused on bridging the quality of experience and quality of services in smart cities.

As she builds her career as a young professor and researcher, Dr. Gongora-Svartzman has already started giving back to Stevens — through career advice for former students to ongoing and future research collaborations with SSE students and professors.

The award-winning teacher recently reflected on her Stevens experience and ways to give back.

What aspects of your academic experience at SSE have been the most memorable?

My Ph.D. adviser — SSE Associate Professor Jose Ramirez-Marquez — was instrumental in my development throughout the Ph.D. program. I am forever thankful for all his support and teaching throughout my years at Stevens, and now our continued collaboration in my new role with Carnegie Mellon University (CMU).

Many of my classes shaped my research and opened my eyes to new ideas, especially Simulation and Modeling, taught by Assistant Professor Paul Grogan. I also learned a lot from the compassion, understanding and mentorship techniques of Teaching Professor Gregg Vesonder, who I worked with on summer research programs with international students.

Beyond academics, I definitely have fun memories, too. Graduate women events, the Christmas tree lighting and other campus-wide activities helped with the pressure of my Ph.D. program. I have a special fond memory of participating in SSE potlucks. At a time when we all needed to come together as a community, what better way to do it than with food?

At Stevens, you served as a teaching assistant and received the Award for Exemplary Teaching in a Recitation Section. Did you find teaching rewarding?

I definitely did! I started my Ph.D. thinking I would use my degree and skills to go back to industry and work on solving interesting problems.

Instead, I ended up enjoying academia substantially more. I grew fond of finding ways to explain concepts and applications to students, finding joy in those “aha” moments when they finally get a complex problem or solve a programming bug, and guiding them through diverse projects.

What role did you play in the Women@SSE program?

The initial meetings were a safe space to talk about different problems women in SSE were facing and what types of talks and support would be beneficial to all of us. I attended events, participated in meetings and was a speaker at an initial meeting. I spoke about my experience as a scholar at the Grace Hopper Celebration (GHC), a series of conferences designed to bring the research and career interests of women in computing to the forefront. I’m hoping to inspire other women to join GHC in the upcoming years.

Can you discuss your current relationship with SSE?

As a former SSE teaching assistant and former adjunct business professor at the School of Business at Stevens, I keep in touch with Stevens students to provide career advice. I still have ongoing research projects, publications and grant proposals with SSE professors. I hope to keep

these relationships in the years to come and continue fostering collaboration and the exchange of ideas, including between students from SSE and CMU. ❖ — As told to Hunter DeSimone

For more information on how to volunteer with and support the School of Systems and Enterprises, email Hunter DeSimone at hdesimone@stevens.edu

DAVID FARBER '56 M.S. '61 HON. D.ENG. '99 COLLEGE OF ARTS AND LETTERS

To call the career of David Farber '56 M.S. '61 Hon. D.Eng. '99 storied is an understatement. Known as “the Grandfather of the Internet,” the computer scientist’s early work in informational technology led to the world’s first operational, distributed computer system. Farber then bounced between tech’s epicenters to help invent the field’s latest advancements but, in time, his focus shifted away from conceiving breakthroughs to considering the ethics of what had already been made.

“I had gotten interested in many of these issues of freedom and the impact of cyber,” Farber says, “because it was clear that what we were building was perfectly capable of making 1984 look like amateur day.”

In short order, Farber — who has had an ex-

traordinary career in academia, with the University of Pennsylvania, the University of California at Irvine and Carnegie Mellon, and in industry, with Bell Labs and the Rand Corporation — collaborated with fellow pioneers to defend rights, liberties and privacy within cyberspace. Now, with his support for Stevens, Farber, trustee emeritus of the Stevens Board of Trustees, encourages both students and faculty members to build moral considerations into their academic research.

“I think this happens often in technology, that as your career advances,” says Farber, “you start looking back and saying, ‘What have I done?’”

In the College of Arts and Letters (CAL), Stevens’ home for the arts, humanities and social sciences, the David and GG Farber Faculty Fellowship supports professors who raise public awareness about the social impacts of scientific and technological development. The fellowship was established by Farber and his late wife, Gloria (GG). Its latest recipient was Bradley Fidler, who researches the management and architectural evolution of networked systems and recently entered the private sector after being an assistant professor in science and technology studies at CAL. The first recipient of the fellowship was Alex Wellerstein, a nuclear historian and currently a CAL associate professor.

For Farber, the creation of this worldwide communications systems can be cautiously compared to the development of nuclear weapons, as both advancements unleashed unintended consequences. “When we created the Internet, it was a research experiment, and we didn’t pay attention to a number of things, because we were trying to make it work,” explains Farber. “Security and privacy were not issues we paid much attention to. It was outside the research objectives.”

“It’s a wonderful world, but it’s a dangerous world,” he says. “We’d like to understand how to make it less dangerous.” This pursuit has most recently taken Farber to Japan, where he serves as distinguished professor and co-director of the Cyber Civilization Research Center at Keio University in Tokyo.

◀ **Stevens trustee emeritus and longtime benefactor David Farber '56 M.S. '61 Hon. D.Eng. '99 has created a faculty fellowship and a student writing prize for the College of Arts and Letters.**



Christopher Frank '89 M.S. '93, a longtime supporter of Stevens, chairs the dean's advisory board for the School of Business. ►

Each year, Farber encourages students in both Tokyo and Hoboken to participate in his writing contest, which promotes the consideration of civil liberties. Awarded as the Joseph M. Farber Memorial Prize at Stevens, established in memory of Farber's late son, Joseph, the accolade recognizes a CAL graduate who displays a keen interest in preserving human rights.

With this support, Farber hopes Stevens students enter their professions with an appreciation of how their decisions can impact the world. "It's important — especially in the sciences — to have a meaningful discussion of the ethics of your field," Farber says. ❖ — Connor Durkin

To learn more about ways to volunteer with and support the College of Arts and Letters at Stevens, email Connor Durkin at cdurkin@stevens.edu

CHRISTOPHER FRANK '89 M.S. '93 SCHOOL OF BUSINESS

Christopher Frank '89 M.S. '93, vice president of AmexInsights at American Express, attributes his expertise, leadership skills and much of his professional success to his Stevens education and connections. And he's gone above and beyond to give back to his alma mater.

As chair of the dean's advisory board for the School of Business at Stevens, giving valuable, real-world advice comes naturally to Frank, whether it's to the board or to students and young alumni embarking on their careers.

Frank has made a career out of sifting through our overexposed, data-driven world to deliver insights. He sees himself as a translator, converting raw data into actionable recommendations, and cites Stevens' technology management program as the catalyst for developing those skills. "Stevens has taught me the skills of how to think critically, how to analyze problems efficiently and to deliver creative solutions that have sustained impact," he says.

Taking on the challenge of data deluge, in 2011, Frank co-authored a book on managing in-



formation overload, *Drinking from the Fire Hose*, with his Stevens contemporary Paul Magnone '88 M.S. '93.

For recent graduates, especially with the rise of remote work, searching for their first jobs can feel like "drinking from a fire hose." To these future leaders, Frank advises, "Don't find the perfect job. Find someone you want to work with. You could have the ideal role on paper and not have someone who motivates you or a leader who is willing to coach, support and inspire you."

In his own professional life, Frank has found people he wants to work with by tapping into the Stevens network.

Before publishing his book with Magnone, Frank founded a startup — one of the first online job matching platforms — with two other Stevens alumni, Gerry Crispin '69 M.S. '72 and Jim Suzansky '62 M.S. '74 Ph.D. '74. Frank's career aspirations did not include becoming an author or entrepreneur, but he always made it a point to explore the opportunities that came his way. This included relocating to the West Coast, where he had a distinguished 10-year career at Microsoft, helping to grow a global research team from 8 to 103 people.

"Be open to possibilities," he says. "When something unexpected presents itself, don't discount it." Frank became an entrepreneur, author and, most recently, an adjunct professor at Columbia Business School by remaining "open, curious and inquisitive."

Frank credits Stevens for making these things possible.

"It's important to me to give back to Stevens in recognition in all that I've received," says Frank, who formerly served as a young alumni trustee. Frank gives his time, money and talents to his alma mater, yet he says he's still the one who benefits most.

These days, he brings his expertise and decades of experience to the School of Business' dean's advisory board, whose mission is to elevate the school's quality and impact by providing recommendations for creating differentiated programs and growing corporate support. The board also offers many opportunities to students through mentorship, to help them secure internships, co-op positions and full-time jobs.

A notable board accomplishment under Frank's leadership is the 100% Advisory Board Challenge. The board recognized that students and faculty give 100% every day. To honor this commitment, 100% of the board members made multi-year gifts to Stevens to support the school's academic and research activities.

Frank strongly encourages students and fellow alumni to embrace the proud Stevens network.

"The Stevens alumni network is extraordinary. Those connections will last a lifetime," he says.

"You never know who you can help or who might be able to help you. If someone from Stevens calls, even if you don't know them, take the call." ❖ — Garrett Kincaid '22

To support the School of Business as a volunteer, please contact Sara Victa at sshealy@stevens.edu

ONE STEVENS. ONE GOAL. GO STEVENS!

UNIVERSITY COMMUNITY RALLIES TO MAKE AN IMPACT ON STEVENS DAY OF GIVING

In just 36 hours, 1,164 members of the Stevens community rose to the *One Stevens. One Goal.* Day of Giving challenge, raising more than \$319,680.

Stevens, founded by the philanthropy and vision of its namesake family, continues to be defined by the support of its growing community. During the 2022 Day of Giving this past April, alumni, students, parents, faculty and staff stepped up to support nearly every corner of Castle Point. More than 50 individuals played an even larger role and served as Champions, sharing their

support of specific areas and encouraging others to make gifts as well.

Donors honored both new and traditional — and ever-important — giving priorities, including scholarships, athletics, sustainability initiatives, mental health programs, campus traditions, Stevens' colleges and schools, Greek organizations and The Stevens Fund. Every gift toward these areas helps to ensure the accessibility and quality of the Stevens experience.

For Bruce Blondina '73, championing Stevens is a personal matter. "Unbeknownst

to me, my parents submitted my application to Stevens just to humor me," he recalls.

"They didn't see any way to afford the tuition, but with Stevens' [scholarship] help, we found a way." The Class of 1973 came forward with a strong response, raising more than \$11,000 from 27 alumni donors, and inspiring one another to match fellow classmates' giving.

Today's students motivate Frank Vastano '73 to give back to his alma mater. "The impact of Class of 1973 Scholarships is obvious when you meet the recipients," he says. "Their families are so grateful to see their children attend a college like Stevens. They consistently tell us that the scholarship money they receive allows them to spend more time studying and less time working at side jobs. When you hear about their achievements and their ambitions, you can't help but feel a sense of pride that your donations are going to the right individuals."

"As younger graduates become volunteers, they are bringing a fresh perspective on the role of alumni giving," notes Allison Kolb, director of annual giving. "Their passion for Stevens was front and center as they leveraged the day to raise support for funds including the Alpha Phi Omega (APO) Scholarship, the Women's Field Hockey program, the Dr. Hassiotis Memorial Scholarship (established recently in memory of the late Stevens professor Sophia Hassiotis), and more."



“I was inspired to make a gift to *One Stevens. One Goal.* this year and to help coordinate giving opportunities as a way to give back to the community that gave me so much when I was a student,” says Luke Langner ’20 M.Eng. ’21, who championed the APO Scholarship. “The Stevens chapter of APO does so much great service work for the Stevens and Hoboken communities, and the members who volunteer their time do so on top of academics, jobs and other pressures that come with being a student. I hope that this scholarship will give the recipients the ability to continue to be of service to APO and the community, while enjoying greater financial flexibility.”

“Donating to a fund like this one makes it easy to connect your gift to a Stevens student who will be receiving the money, and to me, that’s a no-brainer,” Langner continues. “I’m happy to give a gift to someone who, in turn, is helping others, and I would encourage other alumni to do the same.”

Jose Angeles ’19 chose to champion the Lambda Upsilon Lambda Scholarship. “We established this fraternity scholarship three years ago with the goal to provide our future hermanos and other underrepresented students with the financial resources to complete their education,” he explains. “It is our way of paying forward the generosity we received from Stevens alumni, and to help Stevens become increasingly diverse and accessible for all.”

Angeles hopes that his support will encourage others to give back, especially during Day of Giving events. “*One Stevens. One Goal.* provides us with the opportunity to rally as a community,” he says.

Kristine Du ’12 enjoys knowing that by championing the Theta Phi Alpha Sorority Scholarship, she is supporting collegiate women who are positively impacting Stevens and the community. “The scholarships they receive help lift some of the financial burden,” she says. “In addition, I believe these scholarships support women in ways that build confidence and provide a sense of security.”

Like Angeles, she appreciates the added value of giving during *One Stevens. One Goal.* “Donating during this time allowed us to multiply the impact of our gifts,” she says.

One Stevens. One Goal. also coincided with Student Philanthropy Week, the highlight of which was “Get the Scoop on Philanthropy,” an on-campus event designed to show students the impact of giving to Stevens, and to invite them to participate by writing thank-you notes or even making a gift. More than 100 undergraduate and graduate students made their own Day of Giving contributions!

“Every gift to Stevens is an important contribution to the future of extraordinary students who are prepared to become the next generation of innovators,” Kolb says. “Every *alumni* gift is an important signal to those students that our community is invested in their success.” ❖

— Michele Hickey



1 LUL Alumni – Jose Angeles ’19 (back row) and the hermanos of Lambda Upsilon Lambda came together to raise scholarship funds during the *One Stevens. One Goal.* Day of Giving challenge.

2 APO – Then-undergraduates Maggie Guilfoyle ’20 (left), Luke Langner ’20 M. Eng. ’21 (right) and Katie Brown ’17 M.Eng. ’18 (standing) at the 2018 Alpha Phi Omega National Convention.

3 Theta Phi Alpha – Kristine Du ’12 (fourth from left) pictured with sisters of Theta Phi Alpha at the fifth anniversary celebration of the sorority’s Founder’s Day.

4 Class of 1973 – Bruce Blondina ’73 (left) and Frank Vastano ’73 (right) meet Class of 1973 Scholarship recipients, Erika Vargas (second from left) and Emily Ng.

Keiichi Abe

When a Stevens alumnus couldn't attend his 35th reunion at Castle Point, he sent a surprising gift instead

Keiichi Abe Class of 1899 was one of the first Asian students to attend Stevens Institute of Technology. In an obituary published in *The Stevens Indicator* in 1938, he is described as "one of the best-liked students at Stevens back in the [eighteen] nineties." After earning his degree in mechanical engineering, Abe worked at Baldwin Locomotive Works in Philadelphia and as a draughtsman for General Electric before returning to his native Tokyo.

In Japan, Abe had a long career as an engineer with the Japanese Navy until his tragic death from a cerebral hemorrhage at the age of 66. In his obituary, *The Indicator* says of Abe, "He never broke his friendly connections with the United States and Stevens."

The strength of his connection to his alma mater continues to be evident today, embodied in an exquisite gift of cultural

Sends His Regrets

heritage now housed within Stevens' Archives & Special Collections. When Abe couldn't make it to Castle Point in 1934 for his class's 35th reunion, he sent a full suit of samurai armor to Stevens in his stead. The items were carefully packed in a large red box and made their trans-oceanic journey aboard a Japanese steamship.

The suit is made up of many pieces, all works of art in their own right. Pictured here are several of the most visually impressive items. At left is a riveted helmet, or *suji-kabuto*, comprising 62 iron plates, coated with black lacquer and adorned with a gold-tone crest, reminiscent of horns and a crescent moon. Beneath the helmet is a red-lacquered *menpo*, a mask-like facial armor cast with bared teeth. On the table below is a sheathed short sword, or *wakizashi*. At right is the suit's cuirass (breastplate and backplate fastened together), made of metal plates covered in lacquered leather and etched with a subtle "rain" pattern in gold leaf.

Also included within Abe's shipment were shoulder guards made of lacquered leather, shin guards made of lacquered steel, chain mail sleeve armor, a silk belt and a long sword, or *katana*, featuring a gold-tone dragon ornament known as a *menuki* wrapped onto its handle (shown on the back cover of this magazine).

The samurai were highly skilled warriors and members of an elite military caste in feudal Japan. They served *daimyos*, or feudal lords, with absolute loyalty and lived by a strict code of honor and discipline known as *bushido*. Samurai were active beginning in the 12th century through 1868, when feudalism was brought to an end in Japan during the Meiji Restoration.

A letter from Abe that accompanied the gift said that the armor had been made in the 16th century, and that it had been worn in battle by "Lord Asakura." Unfortunately, since there is no

other documentation of the suit's provenance, not much is known about its original owner or exactly how and when it was used.

Stevens' Archives & Special Collections was able to learn more about the extraordinary gift when a Japanese arms and armor consultant from The Metropolitan Museum of Art did a formal appraisal of the items in 2013. Archives staff was surprised to learn that, based on the style of the armor, it is likely that the pieces were made at different times. The helmet is estimated to have been made in the 16th to early 17th century, while the rest of the suit was crafted in the 18th century. The appraiser also pointed out a unique feature of the suit's cuirass: "There is a large opening with a lid that could be opened and closed. This allowed the wearer to access the medicine or tissue container attached to his arming jacket. Only one other armor is known to be equipped with such a compartment."

Due to the age and delicate nature of some parts of the armor, it has been stored securely in the archives. Plans are currently being made to have the suit restored by a conservator and to have a custom display case built for the items. Until the suit is placed on public view, visitors can make an appointment to see it with Archives staff. More than 80 years after its arrival on Castle Point, Kei-ichi Abe's mysterious samurai suit continues to inspire curiosity and awe at Stevens. ❖
— Erin Lewis

"Out of the Archives" is dedicated to telling stories behind lesser-known objects and artifacts from the Samuel C. Williams Library's Archives & Special Collections. Explore more at library.stevens.edu/archives



CATCHING UP WITH THE CLARK SCHOLARS

Students from Stevens' first cohort of the prestigious scholarship program graduated this May

Alida McKee, associate director of special programs and administration at Stevens, cannot speak highly enough of the students in the A. James Clark Scholars Program. "They're quietly successful and do all these amazing things that they may not tell you about," she says. "They're kind students; they motivate and help each other out, and they really do try and lift everyone up."

Four years since the program started at Stevens and nearly three years after *The Indicator* profiled some of its students, many of the inaugural cohort of the Clark Scholars are graduating. The program, made possible by an investment from the A. James & Alice B. Clark Foundation, recruits high-performing students who are traditionally underrepresented in the engineering fields and exhibit a passion for "making a difference." The program provides other benefits, including a summer stipend for study abroad or research, a budget for cultural events and gatherings and, of course, community service. McKee notes that the community service projects, many of which support the Hoboken Shelter, are grassroots and student-run, which speaks to the character of the scholars.

"Their experience with community service carries over into how they act with each other and conduct themselves.

They're smart and academically minded, but they're humble about it," she says.

"They've created a culture of all-around excellence."

That excellence can be seen in the graduating seniors, who already have big plans. Some are continuing their studies while others already have jobs lined up. Trinity Lundemo '22 will start as a clinical specialist for cardiac rhythm management at Medtronic once she graduates, and she credits the Clark Scholars program with helping her grow not only

academically, but also as a person.

"The Clark program encourages research and study abroad opportunities over the summer, both of which I have participated in and were highlights of my time at Stevens," she says. "And because it eliminated the significant economic burden that I had forever associated with attending college, I have been able to more freely focus on academics, developing my relationships and discovering myself — something that I hope more students can experience."

Trinity Lundemo '22 has joined Medtronic, a medical device company, where she will work as a clinical specialist for cardiac rhythm management.

PHOTOS: M. COOPER



Kaitlyn Sharo '22, who is graduating first in class with a 4.0 GPA and will start work at CACI as a junior software engineer after completing her master's degree this summer, agrees. "I was able to work concurrently on my bachelor's and master's degrees and spend time as a research assistant for two professors. And I also got to live out my non-technological dreams of teaching and music by being a course assistant and participating in small ensembles," she says.

Those continuing their educations also look fondly on their Stevens Clark Scholars experience.

"I was able to conduct engineering research throughout undergrad that prepped me to continue my education and gave me experience that made me a desirable applicant to many of the grad programs in my field of study," Cory Phillipe '22 says. "With the mentorship and guidance I received in my classes and research projects, I not only learned a great deal about different engineering topics but about the type of professional I want to one day become." He will pursue a Ph.D. in aerospace engineering this fall at the University of Illinois at Urbana-Champaign, which will be fully funded by the SURGE Fellowship under the Department of Aerospace Engineering and the Grainger College of Engineering.

As his first-cohort colleagues graduate, Adrian Garcia, Class of 2023, will spend another year on campus, having opted for the five-year co-op program. He spent one co-op term with Movado Group and two terms at Con Edison and says both experiences helped prepare him for his future career.



Cory Phillipe '22 will pursue a Ph.D. in aerospace engineering this fall at the University of Illinois at Urbana-Champaign.



Aspiring software developer Adrian Garcia '23 says he now has the tools he needs to enter the workforce and confidently tackle new challenges.

"I came to Stevens feeling behind because I didn't have certain experiences but, over time, I found that I became more and more prepared, either through the co-op program, my courses or my own personal projects. Now I feel I'm ready to take that next step and go into the workforce and even if there are things I haven't learned yet, I know what tools I can use to learn those things," he says.

Happy for all their individual successes, what makes McKee most proud is that the Clark Scholars stuck together, particularly over the past two years.

"They persisted through this difficult pandemic and even while they were working so hard academically, they kept the cohesiveness of the program virtually, to keep the relationships and maintain

their connections," she says. "Our program was used as a model because we had all these creative ways to stay connected — virtual cooking classes, escape rooms, painting classes. I'm really proud they saw the importance of doing that."

"The Clark Scholars Program at Stevens benefits from the personal connection and mutual respect held between President Nariman Farvardin and our founder, A. James Clark. In addition to

an excellent engineering education, the Clark Scholars Program offers a proven cohort model, business and leader-

ship training, cultural experiences that introduce the scholars to the rich arts scene in and around New York, as well as service opportunities to benefit the Hoboken community," says A. James & Alice B. Clark Foundation President and CEO Joe Del Guercio. "The inaugural Clark Scholars Program graduates are poised to become leaders in their chosen fields, and we can't wait to see what they achieve."

The program, which is going strong and admits about 10 new first-year students every academic year, now seeks a new relationship with its first graduating cohort.

"They're already great role models to the underclassmen in the program, so while it depends on where they live and what they're pursuing, I'm sure many will stay connected with the program and each other as alumni," McKee says. "It makes me happy to see that they genuinely enjoy spending time together and want the best for each other, and I'm sure that will continue." ❖

— Rebecca Markley



Kaitlyn Sharo '22, who graduated first in class, will work with CACI, an information technology company, as a junior software engineer after completing her master's degree at Stevens this summer.

PHOTOS: M. COOPER

“ALTRUISM KEPT HIM YOUNG”

THE REMARKABLE LIFE OF JOE SCHNEIDER '46 AND HIS LEGACY OF GENEROSITY

Those who knew him agree. Alphonse Joseph Schneider '46 — Joe to everyone — was one of a kind in this world. Vibrant — working and driving, incredibly, well into his 90s. Remarkably humble and remarkably generous. Someone who showed up, early.

He lived almost a century — proudly serving his country during World War II and working in the embroidery business for close to 80 years, during and long after northern New Jersey was the “Embroidery Capital of the World.” Schneider was a true original who had a street named after him in his adopted hometown of Guttenberg, New Jersey — and who supported the alma mater that made all the difference for him.

Schneider, who passed away on January 2, 2022, at the age of 97, was a stalwart of Stevens. In addition to supporting many causes — from student scholarships to athletics to the performing arts — he was ever-present on campus. Schneider, and for many years his sister-in-law, Nancy Catello, attended musical concerts, Alumni Weekends, Old Guard Luncheons, his beloved Stevens Metropolitan Club luncheons (he was its longtime treasurer), Stevens Alumni Association (SAA) meetings, lectures. He was a joyful, comforting presence.

“What sticks with me about Joe is his humility and his generosity,” says Stevens Director of Athletics Russ Rogers. “I’ll never forget how much he appreciated it when I sent him a thank-you note. Here’s someone who gave so much to Stevens, and he’s thanking me! He was that kind of person.

“To me, he stood for everything we want our students to be.”

His memory lives on through the many scholarship students he helped, in the Schneider Bleachers near the baseball field, in the student lounge named in his honor inside the new University Center Complex. But Schneider, who received Stevens’ Lifetime Service Award in 2014, will be mostly remembered for his spirit.



Joe Schneider '46 and Nancy Catello were a warm and welcome presence at many Stevens events.

“Joe Schneider was one of a kind. His ready smile, love for Stevens, natural inquisitiveness and exuberance for life were truly inspirational. I will miss seeing him at campus and alumni events, as will so many of his Stevens friends,” says Stevens President Nariman Farvardin.

“Joe often spoke of the difference that a Stevens education made in his life, and he never forgot that. Through his generosity, he ensured that young people in need also benefited from a Stevens education. He lifted people up — students, his fellow alumni, all of us — and his legacy of humility and kindness lives on.”

“Altruism kept him young,” says Michael Governor, of the Division of Development and Alumni Engagement.

In a 2019 interview with *The Indicator*, Schneider said he got the break of his life when his high school teacher warned him to straighten up and study, so he could at-

tend college. (He won a partial scholarship to Stevens.) His second biggest break was joining the Navy V-12 program, earning free Stevens tuition.

Schneider served in the Pacific Theatre during World War II. After the war, he returned to Guttenberg, to his family’s embroidery business. Schneider’s aunt and uncle had opened the embroidery shop in 1917, and young Joe learned the trade as a teenager. In 1953, he opened his own shop, which produced eyelet embroidery and lace for ladies’ dresses and undergarments, First Communion dresses, shoes and ties. Schneider worked well into his 90s.

At Stevens, he served as an SAA decade representative for more than 40 years. He also supported veterans causes and served as commander of American Legion Post 365.

He made many friends at Stevens, like Richard Harries '58. Harries remembers how their conversations always started and ended in German. (Schneider was a proud Swiss German.) They shared a love of the local German butchers, bakeries and music — and of their alma mater.

“We both came from very hard-working backgrounds,” Harries says. “We both came from nothing and did very well.

“He was an example of what every single Stevens graduate could wish or hope to be. The guy was just a good character.”

Schneider was predeceased by his wife, Frances, and his sister-in-law, Nancy Catello.

Recently, Schneider had slowed down. But his Stevens friends, like Marty Valerio '68, recall his good spirits — and his determination that he always provide lunch for them when they visited. “Of all Joe’s characteristics, the one that shines the brightest was his deep sense of appreciation and gratitude,” says Dick Magee '63.

A lasting memory for his friends: Schneider’s 95th birthday, which fell during a dinner for Stevens benefactors. Everyone launched into “Happy Birthday” — with Schneider joyfully singing along. ♦ — Beth Kissinger

FIVE MINUTES WITH MEGAN STEVENS

Earlier this year, Stevens welcomed Megan K. Stevens, who deftly wears several hats: assistant vice president for annual giving and alumni engagement at Stevens, and executive director and executive secretary of the Stevens Alumni Association (SAA). She comes from Lehigh University in Bethlehem, Pennsylvania, where she managed a team that produced region-and interest-based programming for Lehigh's 85,000 alumni. The 16-year higher education veteran and Ohio native has arrived at Castle Point at an exciting point in Stevens' history.

She also has a last name you'll never forget.

WHAT INSPIRES YOU ABOUT STEVENS ALUMNI, AND WHAT MAKES THEM UNIQUE?

Stevens alumni are passionate, dedicated and determined. I've met lots of alumni so far, and all of them are extremely dedicated to seeing Stevens succeed and flourish, and I want to nurture that in the best way possible. Stevens is in a unique position of accelerated growth and change, under the past ten years of President Farvardin's leadership, as well as over the next ten years, as we embark on a new Stevens Strategic Plan as well as a joint planning process for our division and the SAA. So, this is a great opportunity for alumni to be a part of the continued transformation. We want their voices heard because they know and love this place.

CAN YOU DISCUSS SEVERAL OF YOUR TOP PRIORITIES FOR THE COMING YEAR?

We need to provide more opportunities for alumni to engage in industry-based networking, to mentor students and each other, and provide career resources across all alumni life stages. I'm excited to say that work in this area is already underway. It will need to be very technology-focused, so we're demo-ing some technology solutions now that we hope to bring online later this summer, to allow alumni to network and mentor in really purposeful ways. This has been a top priority since I arrived.

We also need to be sure we're providing pathways to engagement for all alumni. This means no matter how much time you have to give, where you live, how you identify, we want you to find your place in our alumni community. We're likely to include "flash" and micro-volunteering opportunities — for those alumni who want to be involved but have very little time, perhaps they spend one hour per month helping a recent graduate hone their interview skills. The growth of affinity networks based on racial and ethnic backgrounds and sexual and gender identity, and continued intentional virtual and hybrid programming, are also on the horizon.



Megan Stevens joined the university this past January.

CAN YOU SHARE ANY FUN AND ENGAGING ACTIVITIES THAT YOU'VE DONE WITH ALUMNI IN ONE OF YOUR PREVIOUS ROLES?

At Lehigh, I was responsible for establishing and growing the alumni network in India. This required cross-institutional partnerships with Admissions, International Affairs and the President's Office, to name a few. Alumni also had the opportunity to attend an event at the U.S. Embassy in New Delhi when there was a Lehigh alumnus serving as the U.S. ambassador to India.

One of the industry-based networks at Lehigh that I worked closely with focused on alumni in the financial services industry. Every year, they host a workshop for students, focused on career readiness for this industry. It's inspiring to see these alumni spend their Saturday paying it forward, and they're so passionate about helping students. I see this same energy in the alumni I've met at Stevens. So, this is a good example of some industry and career engagement-based programming we're going to be energizing.

ARE YOU ANY RELATION TO THE STEVENS FAMILY?

No, not that I'm aware of — I'll have to brush up on my family genealogy to be sure! There is so much rich history and tradition here at Stevens, so I hope we all feel like a part of this family, no matter our last name. ❖
— As told to Beth Kissinger

alumni**news**



CAMPUS STROLL

Can you identify the two students seen here walking through the Palmer Hall archway in the 1970s? This photo was originally featured in the Fall 1977 issue of *The Stevens Indicator*. Send your guesses to editor@alumni.stevens.edu.

PHOTO: ARCHIVES & SPECIAL COLLECTIONS, SAMUEL C. WILLIAMS LIBRARY, STEVENS INSTITUTE OF TECHNOLOGY

SAA President's Letter

Our Mission to Further Serve Our Vibrant, Resilient Alumni

Dear Alumni,

Reflection and redirection could easily be the theme of these past two years. The pandemic has pushed many of us to reflect more carefully on how we spend our time. Reading through the pages of *The Indicator*, scrolling through the alumni spotlights posted on our social media accounts and watching the multitude of webinars hosted by members of our Stevens community, I continue to be inspired by how alumni have embraced opportunities to lean into their new realities or bravely pivot down a new path. I am encouraged by how we've connected and found ways to support one another, strengthening our alumni community. And yet this has always been our legacy: to innovate in order to improve ourselves and positively impact the world around us.

The past five years have brought significant change to our alma mater and to our alumni community. As the college campus embarked on a transformational physical change, our Association leaders worked to realize an improved framework to engage with alumni. We have had to face unanticipated challenges, like every generation before us. But, as our members redirected their passions toward new projects — personal and professional — we worked to pivot as well, finding different (and better!) ways to engage. This will always remain a work in progress. As new alumni join our Association, as new technology evolves, as new opportunities arise, there will always be room for growth.

As part of continued intentional institutional improvement, this year the Stevens community — alumni, students, faculty, staff and friends — has come together to develop a new strategic plan to lead our collaborative work through the next ten years. I am thankful to all alumni who have taken the time to engage in the review process and to provide input. It was imperative for the Strategic Plan Steering Committee to hear our voices. From this new strategic plan, an implementation plan for alumni engagement is being developed by the Division of Development and Alumni Engagement, in collaboration with the Stevens Alumni Association (SAA) and campus



partners to provide the mechanism for the goals outlined in the strategic plan. This will ultimately serve as the framework for alumni engagement activities for the next three to five years, aimed at creating and maintaining our lifelong connection with Stevens through meaningful activities and opportunities.

I have often shared that one of my favorite parts about being a part of this diverse, strong and vibrant alumni community is listening to your stories. Throughout the history of our alma mater, there have been defining moments which have shaped each generation that has walked through the gates of Castle Point and looked out over the

Hudson. These past two years have been one of those defining moments. It is with renewed excitement that, as I write to you in mid-April, I look forward to the return of Alumni Weekend to Castle Point this June. I cannot wait to visit the milestone reunion gatherings; to hear stories recounted and updates on new endeavors; to share plans for the upcoming year as part of the Association Annual Meeting; to listen to President Farvardin's State of Stevens address; to watch the alumni legacies dart down the field as part of the Lollipop Run; to join the entertaining (and educational!) beer and wine tastings; to celebrate the alumni volunteers being honored for their commitment to our community as recipients of the SAA Awards; to tour the updated campus; and to simply stand once again next to the cannon at Castle Point watching "*where flows the Hudson River, out to the mighty sea...*"

Per aspera ad astra,

A handwritten signature in dark ink that reads "Victoria Velasco".

Victoria Velasco '04

President, Stevens Alumni Association

SAAPresident@alumni.stevens.edu

Class Logs

Editor's Note: By submitting class log information and photos to The Stevens Indicator, you acknowledge that they may be reproduced wholly or in part in the printed magazine, published in the online version of The Stevens Indicator, and/or shared via Stevens Alumni Association and/or institutional social media channels/webpages.

'44 March 2022 — The Alumni Office has learned that **Robert Wheeler Davenport**, 99, of Madison, Wisconsin, passed away on November 23, 2021. His family remembers Bob as a very kind and generous person who loved dancing, eating ice cream, golfing, and collecting cars, and who was committed to personal growth and watching the weather.

A native of Hasbrouck Heights, New Jersey, Bob served in World War II with the U.S. Navy as an electronics technician. In 1954, he married Ruth Leary, and they settled in Clark, New Jersey, raising four children and providing a wonderful home full of love and joy, his family said. In 1968, the family relocated to Wisconsin. Bob worked as a mechanical engineer for close to four decades at Hercules Powder Company and Pabst Brewing

Company, and as executive director of WSPE.

Shortly after the loss of Ruth in 2000, Bob met Carol Milanich. They enjoyed traveling, dancing and splitting their time between their rustic cabin on the Pecatonica River and downtown Madison. They were life partners for nearly 20 years, with Carol becoming his devoted caregiver for a number of those years.

Bob is survived by his four children, Brian (Odessa), Jeffrey, Nancy (Tony) Sis and Virginia (Keith) Wick; his sister, Dorothy Dressel; seven grandchildren; and seven great-grandchildren. He was preceded in death by his wife Ruth, his partner Carol and his two sisters, Alice and Louise. — *The Stevens Indicator*, alumni-log@stevens.edu

'46 March 21, 2022 — OK. We made it ... to the head of the line of the Stevens class logs. Now what? I have just learned (on March 11) that class logs for the Spring/Summer '22 issue of *The Indicator* were due that same day. Having had no feedback from my 16 remaining classmates and — mercifully — having received no obit to account for any one of them, I'll simply have to

conjure up something and hope that Editor Beth Kissinger will accept this late submission.

First, a confession. I rarely read class logs other than the '46 and those closest to our year. I skim through the rest of the issue, taking stops at the always-interesting President's Corner update and the SAA President's Letter, Letters to the Editor, "Out of the Archives," Stevens athletics stories, and accounts of the achievements of our alumni/ae. It just happens that I did a bit more reading upon receiving the Winter '22 issue this week; particularly rewarding scans were those titled "Faces of Gratitude," "The Power of Place," "Hearts of Gold," meeting the Class of 2025 and looking more closely at some of the pictures among the class logs — e.g., the wedding of Class of 2017ers. The time-out for more in-depth browsing is surprisingly worthwhile. Try it next issue!

As part of the chore of space-filling, I've immodestly inserted a "mugshot" of myself. Other alumni might want to see what their class secretaries look like — either occasionally, or regularly. I'm assuming that it might be acceptable for inclusion (within the recommended 800-word log size); just hope it won't be cropped to the mini-postage stamp size of the photos of the old Navy Building that I submitted as illustrations for the Winter '22 log.

This "segues" into a considerably larger space-filler that will surely try the forbearance of ye editor, namely a 4" x 6" (or even 5" x 7") reproduction of *The Way We Were*, the mugshots of 14 of our 17 nonagenarians, the gents whom I regularly exhort to send me some news notes, then await the deafening silence. There were three photos that I could not find in any of the three antique *Links* (yearbooks) that are my prime resource for *Indicator* material; they must have been absent the day pictures were scheduled, or extreme Garbos. So, this is a collage of the way we were ... about 77 years ago. Can anyone match names to faces? Can you pick out your own photos? Absent were **Robert Oliver**, **Fred Schneider** and **Albert Week**.

Still staying within the allotted space that 800 words would occupy, I've included one more photo — *The Way We Were* — alongside my bride of 68½ years, gone for over a year now and sorely missed.

Please, guys, let me hear from you, with lots of news about your great-grands (of which I



1 *The Way We Were*, featuring 14 of the 17 Class of '46 nonagenarians. **2** Richard Boera '46's self-described "mugshot." **3** Richard with his wife, Julie.

currently count 6½). Let us know you're still breathing! — **A. Richard Boera, Allen Harbor, 90 Allen Road, Apt. 27, South Burlington, Vermont 05403; (802) 495-5815; arbjlb@comcast.net**

Editor's Note: The Stevens Indicator is sad to report that A. Joseph Schneider '46, an award-winning and much-beloved Stevens stalwart, passed away on January 2, 2022. A tribute to Joe appears on page 35.

'50 March 14, 2022 — No news is good news, they say. So, a few words about me. Had my 93rd birthday March 4. More aches and pains — back, feet, legs and more. Trouble walking. Using a three-wheel cruiser. Have food and drink delivered. Not going anywhere except doctor's, etc. Fall asleep in chair frequently. And wife of 72 years just diagnosed with Alzheimer's. My mind is OK. Happy days [daze?].

Hope you are doing better. Best wishes. Drop a line or call. — **Walter M. Carow, (865) 805-6134, wcarow@yahoo.com**

'51 March 11, 2022 — Alumni Weekend returns to Castle Point in June and hopefully some of our '51 classmates are able to attend and reconnect. Since this log had to be submitted beforehand, I am unable to report on our representation. However, I have great memories of Alumni Days a half-century ago.

Ray Will reports from Baltimore that he retired from Bethlehem Steel in 1989 after 38 years. His career and marriage followed immediately after graduation when he and Cynthia were married in September. After retiring, Ray did some consulting work in Brazil and elsewhere. Since Cynthia's passing in 2016, Ray continues to live in the same five-bedroom house they first occupied in 1964. Ray and Cynthia's legacy consists of seven children, 23 grandchildren and 10 great-grandchildren. Many of us remember Ray as a varsity baseball player at Stevens. Being a major leaguer was his aspiration as a youth, and he is now a loyal Baltimore Orioles baseball fan.

Tom Taber resides in an assisted living facility in Williamsport, Pennsylvania, where he is "doing quite well." Since graduation, Tom served in the Army during the Korean War, worked for Worthington and Sprout-Waldron and was vice president of the Logue Co. In 1980, he became self-employed and shared his extensive knowl-

edge of railroading and lumbering in his writings, which, according to my research, number 13 books. The Tom Taber Museum in Williamsport features railroading and lumbering history. It was named in Tom's honor by the Lycoming County, Pennsylvania, Historical Society in appreciation for his longtime support. Tom's marriage to Barbara lasted from 1962 until her death four years ago. She served as a faithful hospital volunteer in Williamsport since the mid-'60s. The Taber family consists of one son and two grandchildren.

Because privacy issues have become a major concern, Stevens asks that we be reminded that alumni look beyond their own class logs for updates. All information appearing in class logs is also shared through other frequented outlets, including the Stevens website and the SAA/university social media channels.

Please keep well and let's stay in touch. Your input will make our log interesting. — **Charles Wetter, (817) 348-0509 (h); (817) 944-8383 (c); charleswetter@yahoo.com**

'52 February 22, 2022 — The Class of '52 — and the Stevens community — mourn the passing of **Ernest "Ernie" Schwab**, who died on February 20, 2022. A tribute to this highly accomplished man and faithful Stevens alumnus appears at the end of this log.

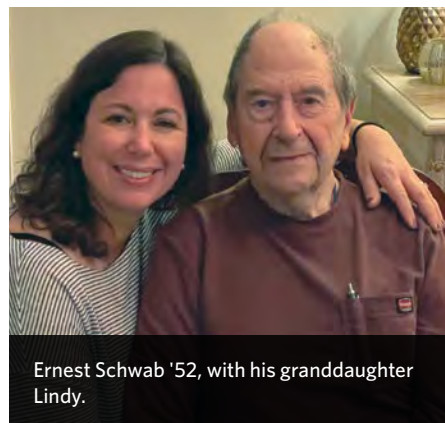
His son, **Douglas '82**, with his wife, **Madeleine S. (Sweeney) Schwab '83**, shared these thoughts:

"Dad loved Stevens Tech. Dad met his lifelong love Frances, a Hunter College co-ed, on a blind date at a formal at his fraternity, Phi Sigma Kappa. He attributed his successful 32-year career at Union Carbide Corporation to the problem-solving skills he acquired through the rigorous education he received over his four years at Stevens. He was an active alumnus and proudly can count a legacy at Stevens including his son, his daughter-in-law, his nephew and his daughter-in-law's niece. All influenced by Dad when making their choice of school to attend. When he passed, he was wearing his wedding band and his Stevens Institute of Technology class ring."

The Indicator staff extends its deepest sympathy to Mr. Schwab's family and friends. — **The Stevens Indicator, alumni-log@stevens.edu**

Ernest G. Schwab

Ernest George Schwab, 93, of Vero Beach, Florida, and a longtime resident of Williamsburg, Virginia, and Kinnelon, New Jersey, passed away



peacefully at home on February 20, 2022.

Ernest was born in 1928, just before the Great Depression, and was raised in Union City, New Jersey. Unfortunately, hard times hit the family, forcing his father to sell his printing business, followed not long after by the death of his mother from tuberculosis when Ernest was 8 years old.

Ernest worked to make money as a young man while attending Emerson High School in Union City, where he served as his senior class president and was recognized for high marks, leadership and service. Upon graduating high school, he enlisted in the U.S. Marine Corps. He was very proud of his military service and grateful for the GI Bill that enabled him to pursue higher education.

After transferring to the Marine Reserves, Ernest returned home to attend Stevens, where he was accepted into the Arnold Air Society (AF-ROTC), rising to the rank of cadet colonel as group commander of the cadets in his senior year. While at Stevens, he was known for his unlimited energy, humor and dynamic personality, along with his organization and leadership skills, as he was inducted into the Gear and Triangle, Khoda and Pi Delta Epsilon honor societies. Upon graduation, he was appointed as a reserve officer in the U.S. Air Force, enabling him to embark on a 32-year career in business with the Union Carbide Corporation.

He and his wife, Frances, first lived in Had-donfield, New Jersey, where Ernie began his career with Union Carbide in the sales of plas-tics. He and his family later settled in Kinnelon, New Jersey. Ernie rose through the ranks of the corporation as a project and plant manager in New Jersey, leading to the senior management level in business services at the headquarters in New York City and, eventually, in Danvers, Connecticut.

As his family grew, Ernie was involved in his children's schooling and activities, such as the PTA and scouting, but his greatest gift was his appreciation of family. Ernie organized a 30-day trip for the family to Europe to visit the countries of his and Fran's origin, including visiting Fran's extended family in Germany. Typical of Ernie, he had every detail figured out, and it was the trip of a lifetime.

Ernie and Fran retired to Williamsburg, Virginia, and for several years had a chalet in Weathersfield, Vermont. They loved Vermont, where they would spend summers fishing, reading, enjoying the mountains and hosting friends and family. In Williamsburg, Fran and Ernie enjoyed an active life at the Fords Colony, with many friendships and frequent visitors.

Ernie was a longtime active member of Our Savior Lutheran Church in Pompton Plains, New Jersey, and St. Stephen Lutheran Church in Williamsburg, Virginia.

He is survived by his daughter and son-in-law, Kimberly and Kurt Allerman; his son and daughter-in-law, Douglas and Madeleine Schwab; his son, Steven Schwab; five grandchildren; five great-grandchildren; and many nieces and nephews. — *The Stevens Indicator*, alumni-log@stevens.edu

'53 March 2022 — Charlie Schnabolk has published an article, "Never Too Old, As Long as You Have an iPad," in the March 2022 issue of *AOPA Pilot*, a publication of the Aircraft Owners and Pilots Association (AOPA). In this personal essay, Schnabolk recalls his many decades as a private pilot, including his membership with the United Flying Octogenarians (UFO), a club that encourages its members to fly after the age of 80, Schnabolk says. He also recounts his flight review at Solberg-Hunterdon Airport in New Jersey in summer 2021 that included five hours of flight time, two hours of "ground school" (with iPad apps) and his first time piloting a plane in years. Charlie writes:

"Also, after the sign-off, I flew the left seat as pilot in command for the first time in many years, along with a friend, for what is now a \$200 hamburger flight on a sunny August day in the summer of 2021. That flight took place exactly two weeks after my 90th birthday. The year I was born, the stock market was at its historic low of \$34 a share, and my father supported the family on his \$2,000-a-year salary, enough to

purchase a four-bedroom house for \$7,000 and a new car for \$740."

Since then, Charlie says, his membership in the UFO is being challenged because he's now over 89. More reflections from Charlie:

"At the August (2021) meeting, there were three of us over 90 and one member 97. We got together to discuss our dire situation since we may be forced to start a new flying club for those 90 and over and call it the 'PONY' (Pilots Over Nonagenarian Years) Club. Someone at the meeting mentioned he has been a member of the 70 Plus Ski Club for more than 25 years. The plus means members have no age once reaching 70. While the PONY Club may have no need for the plus, the UFO does."

Read the full essay at: <https://aopa.org/news-and-media/all-news/2022/march/pilot/musings-never-too-old> — *The Stevens Indicator*, alumni-log@stevens.edu

'54 March 14, 2022 — The news for this writing is one of sadness as I learned in December from a phone call that Henry Angel had passed away. As you may recall, from just a few articles ago, the brilliant career that Henry had, especially in the field of medicine. The other sad news I received was from Eric Olsen, who mentioned that Nancy Olsen, the wife of classmate Jim Olsen (who passed away several years ago) has also passed away. He noted that she was a big help and very instrumental in Jim getting through his first and subsequent years at Stevens.

Lastly, I must report that my beautiful wife Peggy also passed away in early February after a short illness. We had been married for 67 years, and I always tell people that it was a case of menot marrying the girl next door but the one who lived across the street. The girl next door was her maid of honor! That's it for this report. I wish the news were much better, but we are all getting on in years and must accept what comes later in life. So keep them and all of our classmates who have passed on in your thoughts and prayers. — **George J. Hromnak, 45 Glenridge Blvd., Homosassa, FL 34446-4450; (352) 382-7445; ghromnak@embarqmail.com**

Don't see your class log listed? Send an update to alumni-log@stevens.edu or call 201-216-5161.

SAA Update

In the Fall 2022 edition of *The Stevens Indicator*, we will share a recap of the Stevens Alumni Association "Red and Gray Days" — the 2022 Stevens Alumni Weekend this past June — as well as the results of our Spring 2022 SAA Ballot.

In the meantime, please celebrate the recipients of the 2022 Stevens Alumni Association Awards who were honored at Alumni Weekend:

2022 Harold R. Fee Award Recipients

Dr. Suzanne D'Addio '07
Kendra Appleheimer '12
Lauren Mayer '12
Michelle Moreira '17

2022 Stevens Alumni Award Recipient

John McDonnell '72

2022 Outstanding Teacher of the Year

Eduardo Bonelli, teaching professor and associate chair for Graduate Studies, Stevens Department of Computer Science



STEVENS
ALUMNI ASSOCIATION
PER ASPERA AD ASTRA

'55 March 2022 — Editor's Note: It was with deep sadness that *The Indicator* learned of the passing of Emil Neu '55, professor emeritus of electrical engineering at Stevens, on March 20, 2022. The longtime professor and former chair of the Stevens Old Guard was an esteemed member of the Class of '55 and of the Stevens community. His family and friends have our deepest sympathy. A tribute to Dr. Neu will appear in a future issue.

To make a gift to the Class of 1955 Endowed Scholarship in memory of Emil Neu: Visit <https://connect.stevens.edu/makeagift/greatestneeds>

For the designation, select "other" and in the text box, add "the Class of 1955 Endowed Scholarship." Also, in the comments box, under the Additional Information section, add "In memory of Emil Neu."

If mailing a donation, please add “The Class of 1955 Endowed Scholarship” to the check’s memo line and mail to:

Stevens Institute of Technology, Office of Development, 1 Castle Point Terrace,
Hoboken, NJ, 07030; Attn: Gilian Brannan
— **Richard Muller, 1519 Oxford St., Apt. H, Berkeley, California 94709-1542; (510) 559-0866; muller@berkeley.edu**

'57 Guest log by **Ken DeGraw**
March 11, 2022 — My requests in the last issue resulted in no volunteers to be class officers, nor any news about your lives. I was hoping President Jess Davis’ charge to our class (lifted from our yearbook), would prompt some response.

Since my approach did not work the last time, I’ll try again. Shown near this log is a copy of the photo from page 105 of the ‘57 *Link* yearbook. The photo shows the hard-working *Link* staff. I am sure if you are included, you haven’t aged a day.

Our 65th anniversary on June 3-4, 2022, will provide photos and news for the next *Indicator*. Hopefully, you will be among the attendees. — **Ken DeGraw, kjdsr@optonline.net; Art Stahl, afstahl@msn.com**

Editor’s Note: A tribute to Stevens stalwart John Hovey, who passed away on Dec. 30, 2021, will appear in a future issue.

'58 March 10, 2022 — Hi, ‘58er Folks, This issue’s log features remembrances of our two good classmates, longtime class secretary **Mike Bonner** and **Reno Del Ben**. We offer personal tributes, as well as more formal obituaries at the end of this log.

Mike’s many well-appreciated class logs sustained us over the recent years. I am posting a shortened version of a very thoughtful blog that I received from his daughter, Jeanne Bonner, to supplement Mike’s obituary at the end of this log. Jeanne is a writer and blogger with obvious inherited writing talents. Her blog is titled, “The Obituary We All Need (To Write).”

“When my father died last month, his obituary didn’t have nearly enough room to reflect how he lived. I couldn’t mention that he was born on the kitchen table of his family’s home or that he chided me for not seeing the movie *Schindler’s List*. And it got me thinking that each individual life contains so many facets and experiences that deserve more than a few lines about where you



Longtime Class Secretary Mike Bonner ‘58, seen here with Stevens Associate Vice President for Development Dawn da Silva, passed away in December 2021. Read a remembrance in the ‘58 log.

worked and how you died. You deserve a proper tribute.

“Not that the newspaper dictates rules, but you feel obliged to simply list one’s profession, loved ones and a few accomplishments. So, I’d omitted that, when I was growing up, the youngest of four daughters, he could rule by voice alone, using it to entertain, to instruct, to praise — or to chastise and spar.

“No mention of his devilish sense of humor, shaped by comedians like Jonathan Winters, or that he dared me to wear two different shoes to school for a week when I was in sixth grade. In the final year of his life when words only trickled out of him, I found even his cough sounded distinctive. After a lifetime of hearing him conduct vigorous discussions and hum old tunes on the stairs (he especially liked, ‘Don’t Get Around Much Anymore’), it was all I had of his voice.

“When he fell ill last year and my mother struggled to care for him, I had the belated realization that my parents had been superheroes all of my life — in other words, at the exact moment their superpowers had begun to wane. Not because they were perfect parents but because they were the architects of nearly everything I am.

“Writing has given

me a way to express this revelation. And it’s the real reason I need to rewrite his obit here. I dare say I am not alone. Because our parents — and perhaps grandparents or other caregivers — are the headliners of our lives. They are famous, maybe only to us, but that feels real, doesn’t it? And it means everyone’s parent deserves a long, full, detailed obituary, in an attempt to get at the enormity behind this primal relationship.

“Attempting to write the obit I thought he deserved — both here and in my diary — has allowed me to bask in that radiant past and has performed a sacred, necessary task: Taking stock of who he was, with the hope of sharing these thoughts with others, which means we all need to find ways to write remembrances of our lost loved ones, if writing is to help us make sense of the human condition.”

Rich Harries was a longtime close friend of Reno’s, starting from our first days as freshmen at Stevens. Rich reminisced as follows: “I first met Reno at the Navy Building bookstore in the summer of 1954. My mission was to buy used textbooks. Reno was one ahead of me in line and bought the entire shelf of books. Then I see outside, double-parked on River Street, his 1954 fire-red Buick Roadmaster convertible, compared with my \$20 1937 Dodge sedan. (Note: Rich and I carpooled from Jersey City in this \$20 Dodge for our four years at Stevens.)

“We became fast friends at Stevens. It was an especially fun adventure in senior year for Reno and I to construct the ‘58 Class Gift to Stevens: a lighted scoreboard on Mott Field, with electrical help from **Dave Twomey** and **Jim Mais**. We ended up getting treated to lunch by Stevens President Jess Davis during this, our first construction project.



Front Row: Walter Gadoski, Frank Frangione, Albert Weber, Robert Lautenschlager, Patrick Vaughan.
Back Row: Arthur Stahl, Ernest Formanns, Michael Busche, Thomas Ukhal, Edward Simon, Kenneth De Graw, Dominie Caselli, Herbert Kinnick.

The *Link* staff poses for their photo in the ‘57 *Link* yearbook.

"When Reno clerked at the Hudson County Court in 1962, he was assigned to serve summons to residents at the affordable housing projects in Jersey City. Apprehensive about this assignment, he called 'Tiny' to ring the doorbells as he stood behind me in handing out the summons. We stayed in touch throughout the years, especially during his tremendous surgery ordeal in later years. As odd as Reno was, he was a one-of-a-kind close friend and loved Stevens."

So that's it, mates. My best wishes to you. Keep in touch with each other (and with me!). I look forward to hearing from some of you by my next log (otherwise there may not be one!). Remember too that next year, in 2023, we will be celebrating our 65th Reunion at Stevens. Please let me know any thoughts and ideas you have that will make it a special reunion! A few sentences by email would do. Ciao! — **Bob Fiocco**, 5120 Fellowship Road, Basking Ridge, NJ 07920; bobfi08@gmail.com

Michael F. Bonner

Mike Bonner, 85, died on December 5, 2021, at his home in Avon, New Jersey, after a long bout with blood cancer. He was born in Bayonne, New Jersey.

After receiving his engineering degree from Stevens, Mike went on to a distinguished career that began at Grumman Aerospace where he worked on the Apollo space program, focusing on the lunar module. Most of his working years, however, were spent at Brookhaven National Laboratory in Upton, New York, where, among other things, he was an integral part of a Department of Energy initiative aimed at upgrading Soviet power plants. This work took him to Russia dozens of times.

Mike earned multiple master's degrees, and later in life earned an associate's degree in horticulture. He was an avid gardener.

My unforgettable memory of Mike is bumping into him late one night in Piccadilly Circus in London, during one of his Russia trips. We were both out walking to help get over jet lag and were amazed to see each other. At first, I thought he was the classic Irishman as he approached, until we recognized one another.

Mike did a great job as class secretary, faithfully keeping us up-to-date with his relaxed and informative logs in *The Indicator* for more than 20 years. He also traveled widely with his wife, Pat; Vienna, Austria, was one of his favorite cities.

In addition to Pat, Mike is survived by his four

daughters, Patricia Boyle, Liz Bonner, Denise Bonner-Stone and Jeanne Bonner, and eight grandchildren. — **by Bob Fiocco**

Reno A. Del Ben

Reno A. Del Ben of Tenafly, New Jersey, passed away on December 6, 2021. The son of Italian immigrants, Reno was a longtime attorney who also worked with his family's homebuilding business, Del Ben Estates of Tenafly.

He was an avid skier and a member of the Ramapo Motorcycle Club of Nanuet, New York. Reno enjoyed many long-distance cross-country trips on his BMW motorcycle.

Surviving are his brother-in-law, Donald Christopher, and a nephew, Glenn Christopher.

'60 April 2022 — **Don Forslund**
M.Eng. '62 was profiled in the Spring 2022 issue of *The Bent*, the magazine of the Tau Beta Pi engineering honor society. Some highlights from the article follow. The article chronicles Forslund's early life and career, from receiving a Stevens scholarship and a National Science Foundation Fellowship to earn his bachelor's and master's degrees from Stevens; his first job with the Mitre Corporation, where he worked with the Air Force to rework a SAGE prototype computer; to his close to 30 years with IBM. At IBM, he earned four Invention Achievement Awards for inventions related to manufacturing developments. Don earned six patents, as he specialized in the field of manufacturing line semiconductor inspection. IBM shut down the development program he worked on and, facing a layoff, he took a buy-out package and pivoted spectacularly. He passed the U.S. Patent and Trademark Office bar exam and later did patent agent work.

Don, who developed an interest in aviation at Stevens, earned a pilot's license and was later licensed to teach. He actually designed, built and flew his own single-seater airplane — with a Volkswagen Beetle engine. His varied interests include design and construction of a home and furniture; volunteering as a local court mediator; and traveling the world and becoming a student of Asian culture. In his retirement, he rides his bicycle daily to nearby University of South Florida, where he studies the Chinese language and culture.

The article notes that Don, who funds the Donald C. Forslund Endowment for the New Jersey Alpha Chapter of Tau Beta Pi at Stevens,

supports the endowment because "he finds value in seeing joy on the faces of those around him and has already begun to see the benefits to students." — **Donald Merino**, dnmerino2@gmail.com; **John Dalton**, jjdalton1@verizon.net

'61 April 4, 2022 — Greetings, 61'ers,
One of the great TV sitcoms, "Seinfeld," which ran for nine seasons, from 1989 to 1998, was "a show about nothing." That phrase ran through my head, as I've received nothing to write about: nada, rien, niente, garnicht, kloom. The other phrase of interest in composing this missive is "pulling an all-nighter," something I used to do occasionally while in school to prepare for an exam the next day. I promised *Indicator* Editor Beth Kissinger I would have an article for her tomorrow, hence this all-nighter. So, with a glass of bourbon near finished, what do I write about? The world situation, the hopefully-for-the-first-time-in three-years upcoming Alumni Weekend, bits and pieces from my alumni friends. None of these would solve the "nothing" problem long term. Hard to believe our class has nothing worth sharing. Apparently, the 80-20 rule seems to be applicable. Over the past 26 years, I've received material from about 20% of you. Quota met. Hope I'm wrong.

So, a little bit about me. After COVID hit the world, I've been on "vampire hours," up all night and sleeping till noon or later, depending. Most of my regular activities like band rehearsals and religious services were canceled or discouraged. Now that spring has arrived, I've got a load of yard activities to do, and I'm trying to have more normal hours, without much success. My playing schedule is back to normal, I rehearse with four groups during the week, and average a performance once a month in addition. During the week of St. Patrick's Day, I was rehearsing or performing seven times. I play a euphonium, so my lungs get a decent workout. I feel blessed to have the health and desire to do what I do: portfolio management, keeping current via computer, DIY stuff around the house. The only problem — my recovery time is 10 times what it used to be 10 years ago.

The upcoming 2022 Alumni Weekend is a go, as of this writing. It is a great opportunity to renew acquaintances. It would be great if upon arriving, we could be made aware of the cell phone numbers of attending classmates, plus and minus three years of our class year. My wife,

Rita, has health issues that will probably keep me here in Dallas. She is facing two significant surgeries in the next few months. — [Jay Wartel, letraw@yahoo.com](mailto:JayWartel@letraw@yahoo.com)

'62 March 16, 2022 — I have both good news and sad news. First, the good news. Your reunion committee, consisting of our four class officers and three volunteers — **Lou Capuano, Alex Peck and Paul Rank** — have met via Zoom monthly over the past year-plus, every two weeks this year, and more frequently as necessary. The reports, compiled by class president, **Dennis Blahut**, have been distributed to all classmates by email. By now you will have had an opportunity both to register for the Class of 1962's Friday Night Cruise on the Hudson, a project spearheaded by Alec Peck, and to register for various Alumni Day events on Saturday. Notably, the class cocktail reception will be held early Saturday evening preceding the Dinner Dance, at which time the symbolic "Big Check" representing the five-year sum of contributions from the Class of 1962 will be presented to President Farvardin.

On behalf of the entire class, I wish to convey our thanks to the whole committee for its work in planning a successful 60th Reunion, with shout-outs to **John Lupi**, our fund captain, who worked tirelessly to increase both the number of classmates giving to Stevens and the dollar amount of overall contributions; to Alex Peck, who singlehandedly organized the Class of 1962's Cruise on the Hudson; and to **Ray Kent**, who has

been our able videographer and compiler of our class history over the years. Most notably, however, is the extraordinary leadership exhibited by our class president, **Dennis Blahut**, who led the discussions in dozens of Zoom meetings over the past 20 months, developing talking-points for comment and assembling detailed notes of the meetings for distribution to the class via email. A hearty "Bravo Zulu" to all!

Dick Ward had posed the following idea: "Jeanann and I are looking forward to a trip to Castle Point for our 60th Reunion. Since some of our classmates won't be able to make this reunion, I hope that Stevens will be able to make a video for viewing by those who cannot be with us." In answer to Dick's question, the new Class of 1962 web page is now available to all. There you can view meeting reports, attendance at Alumni Weekend and recognition of contributors during our 60th Reunion. Also, video histories of our 45th, 50th and 55th Reunions will be posted, along with shipboard video and photos of this year's class cruise. Ray Kent is coordinating this activity on behalf of the class, and he will be filming throughout the weekend as well. Stevens will be creating videos and photos of all events during Alumni Day, so classmates unable to attend can click on a link on the class web page to view this content and share the memories.

And now for the sad news. I just heard from the Alumni Office that **George Jurick** passed away on January 25 of this year. This is especially surprising as both Ray Kent and I had each received calls from George earlier that month concerning his interest in signing up for the class

cruise and Alumni Day. He seemed well at the time, and I remember us joking about having to use our snow throwers more this winter. I also recently received word from Stevens that, sadly, **Ed Barbieri** had died on February 18, 2021, **Jerzy Cierkowski** had passed away on December 12, 2020, and **Tom Bordigon** had passed on November 17, 2019.

In mid-January, I heard from **Art Epstein** that **Jerry Stein** had died on February 17, 2019. Art was kind enough to reach out to Jerry's family for a tribute, which he passed on to me. It reads as follows: "Gerald Stein of Bloomfield, New Jersey, was born in Elizabeth and grew up in Linden, New Jersey. He graduated from Linden High School in 1958 and then attended Stevens Institute of Technology, from which he graduated with a Bachelor of Engineering degree. Jerry spent three years in the United States Air Force, after which he worked for several different companies until he retired in 2008. He was family oriented and loved doing things with his wife, Priscilla, his daughter, Dara, his two sons, Craig and Jeffery, and his grandchildren. Jerry was a caring person, a writer of witty poems, a great cook and someone whom once you met, you instantly liked. As a result, he had many friends, and they would say that he was indeed special. Rest in Peace."

Again, please remember to make your generous donation to Stevens before June 3 for it to count toward our 60th Anniversary class gift!

The next issue of *The Stevens Indicator* will contain the results of our efforts to increase the number of class contributors to Stevens, a list of celebrants who attended Alumni Weekend and,



1 Clockwise from left: Regina Walter '17, Norm Morrow '63, Rahul Kumar Patel M.S. '07 and Christian Geary '15 gather at the Stevens Houston Club's holiday party in December. **2** Rahul Kumar and Norm are also seen with Dave Kamrath '71, left, and Margaret Rose Roberto, wife of Frank Roberto '76, at the Houston holiday party.

again, a link on our Class of 1962 web page for you to view videos of the weekend's events.

Remember, I'm always looking for your updates of activities and successes in completing your "bucket list," as well as high-resolution photos for publication. Drop a line or two to me via email at pbkim25@gmail.com. I look forward to seeing all of you who have signed up for the cruise on Friday night, June 3, and for activities during the day on Saturday! — **Phil Kimball**, pbkim25@gmail.com

'63 March 2022 — I had a great winter of hiking, skiing and ski patrolling, so much so that I missed asking you all for notes that could be put into our class log. Please send me something so the column will be a little longer in the next issue. — **Neville Sachs**, nevsachsen@gmail.com

'64 March 23, 2022 — Dear '64 classmates, as we approach Alumni Weekend 2022, we are possibly looking at a reduced pandemic from COVID-19. During the past two years, we have seen unprecedented courage by our first responders and healthcare workers in responding to and treating those with the COVID-19 virus. I hope that many of you have received your two doses of vaccine and the booster shot. In spite of receiving mine, I tested positive for COVID this past January. I had a very mild case (maybe because I received all three doses) and required no treatment. I hope if you had similar circumstances, your outcome is the same.

In response to my last e-mail to the class, I received a note from **Fred Zierold**:

"I have survived COVID and am currently residing in Trussville, Alabama. It amazes me how the curriculum has changed at Stevens. The young Stevens grads whom I have recently met have a wide variety of skills and jobs which are entirely different than the ones we had when we graduated. One of these young people I recently met programs drones, one prepares soundtracks for movies, and the other sells computer apps.

"I wonder if Stevens still has the courses in strength of materials, mechanical design and electronic circuits? These courses served us well, but times have changed. I hope all is well with you and your family."

Fred also forwarded his recollection of **Bob Cuneo**, who passed this winter: "The most recent

Stevens *Indicator* vitals section included Bob Cuneo's obituary. I was sad to learn about his passing. He was a Sigma Phi Epsilon fraternity brother and a good friend.

"In the '70s we both worked at the Atlanta Western Electric fiber optics manufacturing plant for eight years. During this time, Bob became my daughter's godfather. My wife and I also attended his wedding to Helen.

"After AT&T was broken up, the fiber optics plant in Atlanta was closed. Bob stayed in Atlanta, where he designed processing equipment for Bio Kinetics. Bob was a good engineer and received patents for designs of biomedical equipment.

"Another interesting fact about Bob is that he was an accomplished musician. He played clarinet for the Concert Band of Georgia for 47 years. Bob was a fine example of the talent and skills of Stevens engineers, and he was a good person. May his memory be a blessing to us all."

I also received this note from "**Bud**" **Campbell**: "My wife Dina and I are enjoying a quiet retirement in Scottsdale, Arizona. Our son Michael is a psychologist, and his wife Rainey is an early-childhood teacher. They live with their children near us in Arizona. Our son David is a microbiologist and a rabbi, and his wife Miriam is a social worker and a speech pathologist. They live with their children in Israel. Dina recently translated Miriam's first book into Hebrew for a second edition.

"On a side note, should Stevens change its name, especially now that it's officially a university? Twice I've had people hear 'Stevens Institute of Technology' and assume it's a vocational or trade school. One was a Yale University dean, and the other was the IEEE. The IEEE told my consulting company in Washington, D.C., that Stevens was NOT accredited, because they didn't find it in their list of accredited vocational schools! My best to all my classmates."

Our class president, **Peter Astor**, is also on the board of directors of the Stevens Alumni Association. He thought our class might be interested in the goings-on at the SAA, and what we should be looking out for. If you find this useful or interesting, I can ask him to periodically update us in our class log.

The most striking changes on our physical campus are the completion of the new buildings — University Center Complex (UCC) and the Gateway Academic Center. You have to see them to appreciate the magnitude of the changes.

Upcoming alumni events for this summer

include the election of SAA officers and Alumni Weekend, scheduled for June 3-4, 2022. The Old Guard (of which we are members) will hold a luncheon on Friday of that weekend at 11:30 a.m. This is the best place to mingle in person with President Farvardin and with friends from contemporaneous classes who are also attending the weekend. Look for announcements in your email and on the Stevens website.

On Saturday of Alumni Weekend, the SAA will have an open meeting to welcome in the new officers and say thank you to our retiring officers. These include SAA President **Victoria Velasco '04**, Vice Presidents **Dave Manhas '88** and **Jeff Capone '91**, and Treasurer **Wayne Monsees '71**. These alumni coordinated the work among the six standing committees of the SAA and in strategic planning with the Stevens Office of Development and Alumni Engagement. The nominating committee, which I am a part of, is responsible for identifying and vetting potential new officers and directors. We all have an eye on reflecting the diversity of our alumni, whether that be geography, gender, ethnicity, age or country of origin.

One of the projects on the SAA table at this time is the development of an electronic display board in the UCC to celebrate the achievements of Stevens alumni. Many think this will be a good way to introduce undergraduates to the alumni body. Installation and maintenance will require a large portion of the SAA's treasury, plus additional funds from other sources. Still, this is a modest proposal in comparison with the efforts to develop an alumni space we can use to meet when we return to campus for whatever reason. There is a lot of competition for the limited space on campus, and one which is dedicated to alumni use exclusively would involve new buildings or wings — a rather expensive and lengthy process. If you have an interest in these proposals, please contact Vicky Velasco.

I also noticed, in the recent *Indicator*, the passing of classmate **Robert Bracalente**. Everyone stay well. — **Harley G. Graime**, hgraim@att.net

'65 March 14, 2022 — In spite of chaotic climate convulsions and the poisonous politics of our news cycles, I sensed glimmers of hope: COVID seemed to be abating. An in-person, June 3-4, 2022, reunion is scheduled at Stevens. And then — Putin invaded Ukraine. I had planned a humorous, upbeat log, but the war cast a pall

over everything. By the time this is published, who knows what the situation will be. All we do know is that Volodymyr Zelenskyy is truly a Churchillian leader: few people have ever been so tested. Slava Ukraine!

The other hopeful glimmers were multiple Yeti sightings!

First, **Joe and Pilar Fabula** are alive and well, living in Tucson, Arizona. Although I've pasted together the base page of Joe's stellar career as a pioneer in developing radiation-hardened solid-state devices, I haven't yet convinced him to complete it. Here's a tidbit: Joe retired from Xilinx as vice president of quality. Xilinx FPGAs are among Voyagers' most mission-critical components. As of January 19, 2022, Voyager 1 left the solar system and is approximately 14.5 billion miles from earth. Way to go, Joe!

Second, **Harold and Beverly Frish** are also alive and well, living in New City, New York. I pieced 90% of his bio together from two fascinating emails. Harold is a multiple retiree from several successful careers, although he claims it's now come to an end. Here's hoping he too completes his bio.

My third status request email netted four classmates I haven't heard from in three years: **Bob Rawley, Jules Friedman, Jack Spence and Dave Vogel**. Welcome back, guys. And news of another: **Tom Trainor** says that, out of the blue, **Ken Satyoyshi** emailed him to say he's OK!

From **Ed Boyde** on February 11, 2022: "I'm pretty much over long COVID but battling high blood pressure with adjusted medications, although it's climbing again. For a year, I struggled with memory issues, but now it's back to normal. I had to forgo my cowboy shooting sports because I couldn't remember the firing sequence. With that problem gone, I'm cleaning my guns and heading back out.

"As a result of long COVID, my wife, Jo, developed Afib and underwent a trans aortic valve replacement. During her MRI, they discovered a growth in her gallbladder and feared cancer. Her gallbladder was removed and wasn't cancerous — all is well.

"Two friends didn't get vaccinated because they didn't know what was in it. They got COVID and died. Their widows feel guilty for their avoiding the vaccine. I don't know what's in a box of cereal, a meal at a local restaurant or my toothpaste. I've already battled COVID and don't want it again, so I saw no reason to question it. Another friend, struggling with COVID, had her cancer disappear. When COVID left, her cancer returned with a vengeance. She has only a short time left. Strange stories.

"On the positive side, we're vacation-ready and planning it now: life is too short to spend too much time 'thinking about it.'"

From **Dieter Walter** on February 8, 2022: "I'm doing well, but Claudia is really suffering

from long COVID since mid-August and severe, ongoing problems with lumbar disk degeneration. Unfortunately, doctors don't yet know how to treat long COVID's multiple debilitating symptoms. Through this all, we're very much involved with Good News Clubs, a Christian afterschool club, in our local elementary schools."

From **Thor Skoland** on February 13, 2022: "Still alive and well as can be at 79. Not enjoying winter in Norway, little rain, little snow. Europe is experiencing a power crisis and Norway is a big supplier of clean electricity to Europe through sub-sea cables. This has driven consumer electricity bills through the roof, nearly \$1 per kWh at peak, compared to 10 cents normally. Prices are market-driven, in spite of a socialist government. The government owns 90% of the country's hydroelectric and wind generation, so they are making lots of money exporting power. Strange world!

"I'm afraid to think what will happen if Russia starts a war in Eastern Europe. Europe is already facing a gas crisis — what will happen if Russia cuts off the gas? Norwegian offshore gas fields supply much of Britain and Germany's needs but aren't sufficient to meet a Russian cutoff.

"Kirkenes, Norway's northernmost city, is a two-hour drive from Murmansk, home to all of Russia's nuclear submarines. We have a very touchy neighbor! U.S. bombers are based in Northern Norway, which is not viewed with friendly eyes by the Russians. We pray for peace."

Harold Rappoport passed away on October 12, 2021. His wife Ellen said he always had fond memories of his days at Stevens.

A final note: I've used my email "reply" and "send" method for checking our class' status. For the most part, it works well; however, we have a few hard cases, so if you're not dead, please respond. — **Steven M. Cochran**, cochransm@aol.com



1 Two Scarlet Macaws captured by nature photographer Richard Seeley '66. **2** Sean Hodges '23, grandson of Joe Cariello '66 and recipient of an Alumni Association Legacy Scholarship. **3** Gerry Osborne '66 will be performing with the Lake Norman Community Chorus this summer.





Phil Brower '66, third from left, Tom Hammell '66, far right, and their wives met at a Manhattan pub to celebrate Oktoberfest last fall and honor their 55th Class Reunion and the Old Guard Luncheon.

'66 March 9, 2022 — A very recent scholarship recipient has a direct connection to the Class of '66, as Sean Hodges is the grandson of **Joe Cariello** and has just been awarded a Stevens Alumni Association Legacy Scholarship. These scholarships are awarded annually to eligible, full-time undergraduate students with either a parent or grandparent who received a degree from Stevens. Sean is a member of the Class of 2023 and is just one of our recipients this year!

Sean is from West Windsor, New Jersey, and is majoring in software engineering. He has been active with the Phi Sigma Kappa fraternity, club baseball and Special Olympics.

Carolyn and I just spent the last couple of months of 2021 travelling to see family in Ohio and Texas. However, this June will be very busy, as both my sons, Kevin and **David '93**, have daughters who will be graduating from their respective high schools, while I will be performing again in a series of concerts and other performances. Preliminary plans indicate we will be on the road from mid-May through the June 3, 2022, reunion at Castle Point.

We also had an addition to our family, as a feral kitten has decided to make its home in our garage and is now taking up space on our all-season porch. The photo near this log shows "Stormy" in his favorite hangout on a 12-foot-plus-high platform.

Don't see your class log listed? Send an update to alumni-log@stevens.edu or call 201-216-5161.

Lastly, let me also give a shout out to **Richard Seeley**, whose Facebook nature photographs are magnificent, including yesterday's post of two Scarlet Macaws; see Richard's photo near this log.

Hopefully, I'll be seeing many of you in Hoboken this coming June, or at least receiving some interesting e-mails and text messages. — **Gerry Osborne**, Scandia44@windstream.net

'67 March 29, 2022 — As I write this log on March 29, 2022, we are moving rapidly toward our 55th graduation anniversary year. More on that below. But first, several reports.

From **Ron Parisi**: "I retired in 2011, ending my career providing litigation support services for construction claim disputes during the last 30 years. During that time, I was active in the Stevens Alumni Association, serving on the Awards Committee. Also, our firm utilized the Stevens Cooperative Education Program for several years. We had a very good experience with this program and the co-op interns. We had success hiring one full-time after her graduation. After living in North Jersey for 45 years, my wife Bert and I followed my two daughters to the Blue Ridge Mountains in central Virginia, settling in the small village of Crozet, just outside Charlottesville. My son and his family live in western Ohio. We have six grandchildren and enjoy family time together and visits during the year. We often spend time in the Outer Banks in North Carolina. It's a great place to vacation. I haven't been back to Stevens since our 50th Class Reunion Dinner, but it looks very different

from 1967." I mentioned to Ron that I had dated a woman who lived in Crozet. He responded, "I asked the women around Crozet Village, but no one remembers you." Clearly, notoriety is fleeting.

From **Bob Naidel**, whose name I mangled last time: "Both Patricia and I feel like we're in our 40s and enjoying life — kids, grandkids, dogs, business, travel, cars, music, driving at Sebring and Daytona, etc. We are headed to Italy again next month as our trip to the Black Sea is thoroughly gone, but this problem doesn't compare to the suffering there. Hard to believe we're 75 and 73, respectively, and grateful to be enjoying it. Unfortunately, we lost a part of our past when our sister-in-law died last month, and my best friend in high school has serious heart problems. Frightening for us, and we don't want to get off the bus or slow down."

I asked if he liked to be called "Bob" or "Robert." He responded, "Robert for business, Bob for social and business, Robert when Pat wants something." Bob is vice president for Lotus Chemmixers. He continued, "Attached is a picture of Pat and me at one of our haunts — the Grand Ole Opry in Nashville — although we also frequent the bars on Broadway for the music (we're not heavy drinkers, but the music is a great way to spend hours nursing a single beer)." "Chemmixers" ... as a chemist, I am wondering, are those not when a group of us get together at a meeting and drink beer and eat pretzels and talk about orbitals, bonding and nucleophilic aromatic substitution?

I received the annual financial report for the Class of 1967 Scholarship Fund. The balance as of June 30, 2021, was \$221,967. The 2020 distribution from the endowment was \$7,416. I was puzzled by a few line items, like "Funds spent on account purpose. \$600." Is that to be distinguished from "Funds spent on account not on purpose"? I will inquire.



Bob Naidel '67 with his wife, Pat, at The Grand Ole Opry in Nashville, Tennessee.



Members of the Class of 1968 at a Houston Alumni Club gathering in 2019. From left are Andre Jackson, Stevens President Nariman Farvardin, Al Foytlin and Walter Ulrich.

A few logs ago, I reported on last year's scholarship recipient Nathan Molinari, a very impressive recipient. That is good news, both for the utilization of our donations and also for Stevens, to have such high-quality students.

And now, a short message from our world-class class president, Spaz:

"Dear Fellow Classmates,

"By now, you have probably heard that Stevens is proceeding with our 55th Reunion/Anniversary, along with the Classes of 1965 and 1966, on June 3 and 4, 2022. Can you believe it has been 55 years!?! We have planned a combined dinner on Friday night with the Classes of 1965 and 1966. Perhaps you know some of those folks. Many of our fraternity big brothers and close friends come from those classes.

"This should be a wonderful affair, as we get to experience all the many academic and physical changes to our campus, including the new University Center Complex, which we will be able to tour. This will be both a typical and atypical Alumni Weekend, considering COVID has canceled it out previously. In addition to the Saturday campus tour and walking tour of Hoboken (short and long versions), fraternity houses will be open.

"As usual, Stevens will host the Saturday night dinner-dance. I sincerely hope many of you can attend. Hope to see you there and catch up. Respectfully, John Spaziani, '67 class president"

As we seem to be moving to a less hazardous COVID situation, I continue to hope that you and your families have been and will continue to be safe and well. With my warmest wishes, Jeff
— Jeff Seeman, jiseeman@yahoo.com

'68 March 14, 2022 — I believe you'll be reading this in the late spring of 2022. If you are in the email directory with the Alumni Office, then you would have seen the announcement and obituary for **Andre Jackson**. He passed away in February of this year, just eight days shy of his 76th birthday. Stan DuBrul emailed me to say that he remembers being Andre's lab partner for our senior project, and that he was able to connect with Andre during our 50th Reunion weekend. I knew of Andre while at Stevens, but we were not friends. After I was transferred to Houston, we connected at the Houston Stevens Club gatherings that my wife and I and Andre and his wife, Kathy, attended. We then became friends, and I must say, it was difficult to accept his death. I suppose, as we pass through our eighth decade on this glorious earth, we'll be reading more obituaries of our classmates.

Since I haven't heard from any of you with updates, I'm going to continue reviewing the bios that were submitted for our 50th. This bio is about **John Clavin**.

John was a science major in physics. He received his M.S. from Stevens in 1970 and then joined the U.S. Air Force. While in the Air Force, he obtained an MBA from California State University in 1978. He made a career in the Air Force during his tour, as he worked in many different areas of technology. After taking two years off, he took a position with the Texas Department of Transportation (better known as TEXDOT), working in information technology system development. He retired permanently in 2008.

He and his wife, Toni, currently live in The Hills, Texas. They have one daughter, who is a pediatric speech-language pathologist. She lives in Arlington, Texas, with her husband and two children.

John says he is currently relaxing and traveling. His retirement hobbies include photography and genealogy. The list of countries he has visited since retirement include England, Ireland, Scotland, Netherlands, Belgium, France, Spain, Portugal, Germany, Italy, Austria, Slovakia, Hungary, Czech Republic, Croatia, Serbia, Bulgaria, Romania, Russia, Egypt, Tanzania, China and Cuba. I'm exhausted just listing all of these countries! John, if I've left anything out or you want to add updated info, like more countries visited, please write to me.

Well, that's about it for this log. Hopefully, all of you have continued to be well, and by this writing, the pandemic is mostly behind us, and



Class of '69 friends and their wives gathered in the Poconos recently.

we can resume some normalcy.

Stay safe and healthy. — **Allen A. Foytlin**,
foytlin01@gmail.com

'69 March 15, 2022 — I just visited with Dr. **Don Kennedy** who has recently retired (in 2020) as emeritus professor from a unique and rewarding career in medicine at St. Louis University Hospital. He graduated from medical school at the University of Cincinnati in 1977 and began a career specializing in internal medicine and infectious diseases. His medical career began with training in patient care, and he progressed in 1980 as a faculty member, training and educating younger medical students and post-graduate residents under his supervision. He and Mary Ellen Wolf met during medical school, they wed and have lived in Clayton, Missouri, for more than 45 years. Mary Ellen is retired after a 28-year career as an elementary school nurse. They have two sons, Brian, 40, and Patrick, 39, and one adorable granddaughter, Victoria, who is now 4. See near this log a recent family photo taken in Maui last December. Life is good.

A big thanks to **Joe Giacone** for sending another photo included with this log. The recent photo highlights the beautiful spouses and



Gerry Crispin '69 has been enjoying road trips in his Airstream. Read more in the '69 log.



Don Kennedy '69 with his wife, Mary Ellen, and family in Maui, Hawaii, in December 2021.

Stevens alumni of the Class of '69 at a gathering in the Poconos. This alumni group has scheduled a similar gathering in May 2022 on Hilton Head Island, South Carolina. It is always a wonderful experience to spend time with old friends.

And here's an update from **Gerry Crispin**! "I just returned last week (March 1) from a 10-day, 2,500-mile shakedown road trip with my Airstream visiting 16 cousins in Chesapeake, Virginia, Charlotte, North Carolina, Atlanta, Georgia, Moultrie, Georgia, and Ft. Pierce, Florida. Hoping to head out to Montana in May to see my wife's sister ... weather permitting. I was accompanied by one of my cousins on this recent trip, because while Diane and I were married 50 years last November, she has yet to agree to the next 50 — nor to selling everything and going out on the road for a year or two. Oh, well."

Please send me any family photos or an update that you would like to have included in the next *Indicator*. — **Russ Eitel**, russ@eitelgroup.com; **Ed Eichhorn**, ed.eichhorn@medilinkgroup.com; **Gerry Crispin**, gcrispin@careerxroads.com

'70 March 15, 2022 — We received a nice photo from **Marc Levin** and include it with this log.

Marc and Rhea met for lunch with **Sandi and Bill Morgan** and **Linda and Ero Selander** in Sarasota, Florida. Marc and Rhea live in South Tampa, Florida. He tutors math to keep busy and received a liver transplant two years ago. The Morgans live in Lexington, Kentucky, and spend the winter in Punta Gorda, Florida. The Selanders now live full-time in Sarasota. Marc mentioned the yacht in the background was not Ero's. Marc also mentioned, although we cannot see it, that he was proudly wearing his Old Guard pin.

Regarding spouses of deceased classmates, we were able to connect with **John Beard's** family

in North Carolina and **Don Daher's** wife, Nancy, in New Jersey. Our next log should be substantial, with information I receive at our reunion on June 3, 2022.

We had few updates this time; hopefully all are busy making plans to attend our delayed 50th reunion on June 3. So, for this log, I have decided to do something different. A few issues ago, I com-

posed my thoughts on what I see as a disturbing trend on the part of quite a few class secretaries. Here are my thoughts below. (*Editor's note: An excerpt of Gene's letter appeared on the Letters to the Editor page in The Indicator's Winter 2022 issue.*)

A letter to the *Stevens Indicator* Class Secretaries:

Since graduation from Stevens, I have composed and submitted the Class of 1970 log, missing only one in 50-plus years. There have been many times when no information was received from classmates, and it was a challenge to compose the log. Eventually, I was able to compose a log using varied resources. Modern-day social media such as Facebook, LinkedIn and others were viewed to obtain information on classmates that I could include in the log that may not otherwise have been available to our classmates. Prior to these social media tools, it was a little more difficult, but I still managed to compose a log.

So, it is both surprising and sad to see so many years in *The Indicator* without logs. Quite often, stretches of seven to ten years are missing, and not just for a single issue of *The Indicator*. In the most recent *Indicator* (Fall 2021), there were 22

logs for classes prior to 1970 and 20 logs for classes after 1970. Hard to believe there are fewer logs for the classes that graduated in the past 50 years than for those more than 50 years ago.

Maybe social media has something to do with this. We did not have social media when my class graduated, and maybe some of us still subscribe to dinosaur methods of communication. However, if you believe social media replaces the need for a log, you are very much mistaken. As mentioned, the log bridges the gap for those who may not have the same "friends" on Facebook. Your logs are also read by members of other classes who have some sort of relationship with, or interest in, your class.

I implore all class secretaries to heed my message and find a way to compose a class log for each *Indicator* issue. Once you find the time to do this, you will eventually be pleasantly surprised by the information you start receiving, from your classmates and those of other classes. — **Gene Golebiowski**, eagolebiowski@att.net

'71 March 14, 2022 — **Barbara and Dan Beneski** have been married for 45 years, living in Concord Township, Pennsylvania, near Philadelphia, with two dogs and three horses. They have five children and five grandchildren, from 3 months to 9 years old. Three of their children are engineers. Two sons graduated from Stevens, in chemical engineering (valedictorian) and mechanical engineering, and a daughter has a master's in environmental engineering from the University of Delaware. His other son is construction project manager for a home building company, and his other daughter is an optometrist. Dan got his Ph.D. in biochemistry from Johns Hopkins and



"An unofficial meeting of the local Stevens club" in Sarasota, Florida. From left: Sandi Morgan, Linda Selander, Rhea Levin, Ero Selander '70, Bill Morgan '70 and Marc Levin '70.

had a post-doctoral fellowship with the University of Washington in Seattle. He then went to Jefferson Medical School and did an anesthesia residency in Philadelphia. He retired after 25 years, practicing anesthesia at Mercy Fitzgerald Hospital in Darby, Pennsylvania. Retirement lasted about three months (boring and moping about), so he then spent ten more years as an anesthesiologist at Bryn Mawr Hospital in Pennsylvania. Retiring for good in August 2021, he no longer gets up at 4 a.m. for early surgeries and enjoys outdoor and indoor projects, visiting family, watching the grandkids and Caribbean cruises.

Wayne Monsees got his M.S. in electrical engineering and went to work for RCA in Camden, New Jersey, and then RCA Global and Western Union. He moved on to RCA Astroelectronics, then GE AstroSpace, which became Martin Marietta, then Lockheed Martin, which became part of L3, before retiring in 2005. He settled in Princeton Junction, New Jersey, with his wife Joyce and son Scott. In retirement, they like to travel three or four months per year. Their favorite trip was taking Amtrak to Kansas, driving to Dallas for a bull riding event in Cowboy Stadium, then to Houston, a few days in New Orleans and then Amtrak home.

After graduating with both a B.S. and an M.M.S., **Chris Wool** got his M.S. degree from the University of Buffalo. He took a job with DuPont in Newark, Delaware, doing IT work. He was outsourced to Computer Sciences Corporation for eight years, doing IT work for DuPont, and then was re-hired by DuPont. In 2015, he was part of the Chemours spinoff from DuPont. He retired in 2019 when his position with Chemours was eliminated, ending almost 46 years as an employee or contractor for DuPont. Chris has been married

to Cindy for almost 40 years. They are still living in Newark, Delaware. They have two sons who are married, living in Virginia and Colorado.

Ron West started work with AT&T Long Lines in New York City and went to NYU for a master's in business administration. He held management positions for AT&T, Chase Manhattan Bank, Shearman & Sterling, BCI, Bridgeway Rehabilitation Services, and his own consulting company. He is currently working for the City of Plainfield, New Jersey, as director of finance, administration, health, social services and technology, and plans to retire this year. He has also served on a number of community boards, focused on improving health outcomes, education and local banking.

Ron and his wife Andrea have lived in Plainfield, New Jersey, for over 40 years. Andrea is currently the chief operating officer for the Rutgers School of Dental Medicine. They raised two daughters, Lindsey and Jordan, and have two granddaughters, Corinne and Nina. Ron still plays golf and tennis and will represent New Jersey at the National Senior Games, competing in tennis in the age 70-74 singles bracket. Prior to the COVID pandemic, they had the opportunity to take a few bucket list vacations, among them London (including Wimbledon), Australia (Australian Open) and Israel.

Joseph J. Garvey, Esq. is a trial attorney with the law firm of Garvey, Ballou, P.C., located in Wall, New Jersey. After graduating from Stevens, he served in the U.S. Navy from 1971 to 1974 as a civil engineer corps officer. He obtained his Juris Doctor from the Catholic University of America in 1976. He is a certified civil trial attorney and is admitted to practice law in multiple jurisdictions, including the U.S. Supreme Court. He returned to Stevens in 2010 to teach courses in constitutional law and judicial process in the College of Arts and Letters. He served on the Stevens Board of Trustees from 2011 to 2015.

Joe and wife Linda (42 years!) have resided at the Jersey Shore since 1981. Linda is a retired first-grade teacher. They have two children, Meghan, director of Ticket Operations for the Brooklyn Nets, and Michael, a New Jersey State trooper.

Phil Crowley and Diane bought a house in Hellertown, Pennsylvania, and are finally selling their Far Hills, New Jersey mansion. They joined a nearby golf club with multiple pools and golf courses. Phil still must spend 183 days per year at his Florida golf estate. His legal business contin-

ues to increase, while he maintains virtual offices in New York City and Morristown, New Jersey.

Hope to see you at our 50th reunion and the Old Guard induction on June 3-4. — **William F. Stengle**, wfs20hlm@aol.com

'72 March 2, 2022 — (Written collaboratively by **Enrique and George**)

Fellow Classmates: Back in 1968, we were preparing for our high school graduations. We were looking forward to our college years. With some trepidation, we hoped that Stevens would give us the education and tools we needed to succeed in our future careers.

Freshman year, we wore our beanies, red bowties and slide rules on our belts. We suffered the mild hazing of the sophomores and began to form friendships that would last a lifetime. Our eyes were opened by our professors, and we were frustrated with the IBM 360 and the punch cards. In sophomore year, it came our turn to "scare" the incoming freshmen. In junior year, we chose a major. We continued to transform from teenagers into men, looking to the future while still having fun in our college life. With senior year came interviews with prospective employers. With our senior projects we proved our mettle. In May of 1972, we celebrated our graduation. We had succeeded! We began our careers as engineers and scientists to make this world and our lives better.

Now, it is 2022, 50 years since graduation. As I look back, I'm proud of what I see. I made some mistakes and corrected them. As an engineer, I was able to build many things, thanks to our Stevens education. It is time to celebrate again! Celebrate our lives, our families, our careers and just being around to celebrate! Thank you, God!

As your class officers, John, George, and I are happy to be leading our 50th Anniversary Celebration and to consider you not only as our classmates but also our friends. Let's get together more often than once every half-century.

Take it away George...

Thanks, Enrique. Now some class news.

John Bach, M.D. (bachjr@umdnj.edu), member of the Class Reunion Committee, sent us an email. "After 20 years of marriage, Anne-Marie and I renewed our vows in Las Vegas (see photo with this log.) My 18-year-olds are in school in Montreal. My wife is starting a movement against witches always being defined by red hair. She is uniting the redheads and/or witches of the world.



John Bach '72 and his wife, Anne-Marie, renewed their wedding vows in Las Vegas after 20 years of marriage. Read more in the '72 log.

"I still work full-time as a professor of physical medicine and rehabilitation and professor of neurology for Rutgers University New Jersey Medical School in Newark, New Jersey. And, because of COVID, I am publishing two books this year. Without COVID, my wife would not have a driver's license." John, Thanks for writing!

We also were glad to hear from **Paul Scagnelli, P.E.** (Sigma Nu, paul.j.scagnelli@gmail.com), member of the Class Reunion Committee, having completed an impressive career in heavy construction.

In preparation for graduation in 1972, Paul had a few but limited options as a civil engineering major. In searching for a position after graduation, Dr. Sidney F. Borg, P.E., his advisor, suggested he consider working for a contractor because "you will never be bored and always be involved in interesting projects." Paul accepted a position as an entry-level engineer with Schiavone Construction based in Secaucus, New Jersey. He earned increasing responsibilities, with positions as a field engineer, design engineer, senior engineer and chief engineer.

Paul continued his advancement and earned the positions of vice president of engineering, executive vice president and, finally, executive director running the entire company, the position he held upon his retirement in 2013. During that time, Paul was involved in many high-profile and significant heavy construction projects, such as New York City Water Tunnel #3, the Second Avenue Subway, the Route 9 Replacement Bridge over the Raritan River, the Hightstown Bypass project (the first design-build project for NJ-DOT), and many other projects. Paul retired from Schiavone after 41 ½ years.

Unexpectedly, Paul was recruited to return to work by Walsh Construction, one of the largest heavy construction and building firms in the country, headquartered in Chicago. Paul opened the New York-New Jersey office for Walsh in mid-2013. After attracting many of his previous employees to Walsh, ensuring a good start for the new Walsh office, and being involved in the joint venture reconstruction project for LaGuardia Airport, he finally retired for good in 2017.

Paul and his wife, Carol, continue to reside in North Caldwell, New Jersey. He keeps himself busy refinishing found old furniture deemed not ready for the trash, as well as with visiting his son Andrew's family and his granddaughter in Bayonne, New Jersey. He also spends a few months of the year at their house in Missoula, Montana,

visiting his daughter Elizabeth's family and his two grandsons, trout fishing, backpacking and woodworking. Paul, many thanks for writing. Quite an interesting and meaningful career.

Since we do not know if this log will publish before or after our 50th Reunion event, we either are looking forward to seeing everyone or hoping everyone had a fun time. More about our reunion in the next log. — **George W. Johnston**, gwjohnstonjr@msn.com; **Enrique L. Blanco**, elbmcb@optonline.net

'73 *Editor's Note: Due to an error, The Indicator failed to publish the 1973 log in the Winter 2022 magazine. We regret the error; here is that log in its entirety, as well as the class log for the Spring/Summer 2022 issue.*

Well, classmates, we are only one short year from our 50th reunion, and we continue to hear from more and more of our fellow classmates. Many of them have contributed and are continuing to contribute to our class gift, an endowed scholarship. A big thank you to all that have contributed! And we look forward to seeing all of you in 2023 as we become Old Guard. Look for more information as we get closer.

We heard recently from **Dave Wadiak**, who writes, "After graduation from Tech in 1973, I earned a master's in chemical engineering at the University of California, Davis, and shortly afterward, I had a couple of short and uninspiring jobs as a product development engineer at Rohm and Haas in Bristol, Pennsylvania, then on to Enviro-tech BSP in Menlo Park, California. Then I joined Lockheed (now Lockheed Martin) in Sunnyvale, California, as a research scientist and retired as a Lockheed Martin Solid Propulsion Fellow in 2016, after 37 years.

"I earned a Ph.D. from Santa Clara University in mechanical engineering during that time period. Working mostly with the U.S. Navy Fleet Ballistic Missile (FBM) Strategic Systems Programs (SSP), based in Washington, D.C., I touched just about all possible missile program elements: basic R&D, design, analysis, missile development and testing, demonstration, system deployment, flight tests, systems engineering, and materials systems aging/surveillance. I was always afforded the opportunity to get involved at the level I desired, and there were always challenges. I thoroughly enjoyed working for LM.

"I am now employed as a part-time senior systems engineer at Systems Planning and Analysis



Marlene and Howard Fidel '72 enjoy the sun and scenery at Sabino Canyon National Park in southern Arizona.

(SPA), out of Alexandria, Virginia, and primarily work from home. Duties include consulting to the Navy SSP specializing in conventional explosives safety, facility design support, missile propulsion safety/hazards and materials/components/system aging. Oh, and proposal support as a subject matter expert in solid propulsion.

"From a personal standpoint, my wife Maureen and I, and her brother Jim, live in the Pacific Northwest, west across the Puget Sound from Seattle, in Port Orchard, Washington. It is close to the Bangor FBM Submarine base, where I occasionally work with my SPA colleagues. We still enjoy traveling, particularly cruising Europe, the Mediterranean, UK/Ireland and the Caribbean. We have no children, which makes these journeys possible. This year's cruise is Rome to Lisbon. My hobbies include a 1973 Triumph TR6, mostly restored, a 1943 BSA M20 motorcycle, fully restored, and a 2017 Triumph Bonneville T100 motorcycle. Lots of twisty roads to experience. Also playing guitar and arranging music. Healthwise, we are all vaccinated against COVID-19 and are well.

"I would encourage any 1973 Tech graduate(s) to stop in and visit, even just for a cup of coffee. There is lots to see and do here, and the natural scenery is spectacular, especially summers. Bye for now, more later."

Your donations to the Class of 1973 Scholarship Fund make a difference to a deserving student. The latest recipient of a Class of '73 scholarship is Emily Ng, an engineering major in the Class of 2022 from Roosevelt, New Jersey.

Graduate Log

Stevens Professor Emeritus of Technology Management **EDWARD FRIEDMAN HON. M.ENG. '83** spoke at the virtual "Ukraine: Energy in the Spotlight Series," presented by the University of St Andrews, Scotland. Friedman, who also taught and pursued solid state physics research at Stevens and is an expert on nuclear issues, discussed Ukraine's nuclear reactor development, its current status and future.

FRANK CORVINO PH.D. '08 is CEO of Genesis Research, a Hoboken-based global company that has pioneered and developed analysts products and services for drug companies to find the research, evidence and background data for a drug to receive approval by the FDA and other world approval bodies.



VEDANT MARATHE M.ENG. '16 is an associate with JPMorgan Chase, based in Mumbai.

KAYLON PATERSON M.ENG. '20 is a space systems engineer and John S. McCain Strategic Defense Fellow at the U.S. Department of Defense. During the pandemic, he launched a company focused on developing environmentally sound technologies for the aerospace industry through research and development. Paterson says that the space industry is highly unregulated with respect to environmental effects; "I felt that it is my duty to help fix this without limiting our reach to space," he says.

SOHAM SHINDE M.ENG. '21 (at left) is a sort control data analyst with DHL Express.

March 11, 2022 — Greetings, all fellow classmates. Your class officers have been meeting regularly to plan our 50th reunion, where we will present our class gift, the Class of '73 Endowed Scholarship. It's hard to believe, but we're only about a year away from reaching that golden anniversary of our graduation. If you'd like to make a donation to our class gift, you can do so at <https://connect.stevens.edu/makeagift/classof1973>.

Look out for a postcard from the four of us in the near future as we put together the activities and the materials to bring us back together as a class. We also will be looking for volunteers to help us plan and carry out those activities.

We heard from a few more alumni since our last class log. This from **Larry Samberg**: "Everybody is healthy, but other than visiting family, we haven't done any 'traveling' in a long time. Our daughter, Leah, lives in Missoula, Montana, with her husband and son. We spent nine days there in December, visiting and kid-sitting for about half of it while Leah and Brian went away. It was only the second time that we visited them over the past two-and-a-half years. Our son, Matt, lives in Pittsburgh with his wife and two boys. We can drive to Pittsburgh, so we have seen them more often over the past couple of years. And my mom (94) still lives in New Jersey, so we have

been down there a few times. It's ski season, so we have something that regularly pulls us away from the house, but we are definitely looking forward to spending more time with people and going places and seeing things."

John Hochstein writes, "I recently completed the 30th year of my service on the faculty of the Mechanical Engineering Department at the University of Memphis. I still have a passion for fluid mechanics and that passion has refocused onto hydrokinetic energy systems in the last ten years. Other professional developments include the release in January 2021 of a new edition of an undergraduate fluid mechanics textbook for which I am a co-author. In my personal life, my wife Deborah (whom I met as a senior at Stevens) and I welcomed two grandchildren into our family during 2021."

And **Bill Moore** updated us on what he's been up to since graduation: "Bill Moore is president of Moore & Associates, an international consulting firm that provides a range of strategic services and research to global recycling organizations. Bill has had a 40-year career as an environmental business professional. Prior to establishing his own consulting firm, Bill held a series of positions in the chemical, solid waste, paper and recycling industries. This included

director of recycling for Waste Management, Inc., where he was responsible for the startup of the 'Recycle America' program, the largest introduction of recycling services in the United States. Bill is a sought-after speaker throughout the world on subjects related to global recycling and the business side of environmental issues. He is highly published in the recycling field, having authored more than 50 articles over the last 25 years. Bill and Susan Cornish have been partners for seven years. Their family includes his adult daughter, Victoria, from his previous marriage and her son, Graham." On a sad note, we were informed by **Ed Hrinewski** of the passing of **Tom Ursic**. Tom, of Newtown, Pennsylvania, passed away on, October 29, 2021, after battling the effects of severe COVID-19 pneumonia. He was 70. Tom and his wife Nancy (Svenson) had just celebrated their 45th wedding anniversary in September.

Tom graduated from Stevens with the Class of 1973 and also earned a master's degree in mechanical engineering in 1977 from Stevens while working for Becton-Dickinson Company. While at BD, he developed the world's first detachable mini-balloon catheter. He later joined his father in the family manufacturing business, A.M. Gatti, Inc., and would become president and CEO. Tom was instrumental in the design and development of sapphire orifice nozzle technology for ultra-high pressure water jetting. He was awarded numerous patents for his novel designs that have had profound and long-lasting influence on the industry.

Tom loved life and his family, and over the years enjoyed many hobbies, including boating, aviation, golfing, traveling, military history and, most recently, collecting classic cars.

Stevens classmates and lifelong friends



Emanuel Nabo, left, a Stevens parent, and Joe Mitro '73 enjoy the Houston Club holiday party in December.

attending the funeral were **Eric Svenson '73, '76, Stephen Kozakewich, Edward Hrinewski and Don Bandurick.**

If you would like to make a donation to our class gift, you can do so at <https://connect.stevens.edu/makeagift/classof1973>.

By the way, the Alumni Office informs us that there is now the option of submitting your class log information directly to the Alumni Office. The link is: [stevens.edu/alumni/submitnews](https://connect.stevens.edu/alumni/submitnews) — **Anthony Callendrello, acallendrello@comcast.net**

'74 "Hello to all my fellow '74ers from **Stu (Rusty) Klatzman:**
"So, after 50 years, I finally decided to post an update for *The Indicator* class log. My wife Diane (a former Bayonne Bomber) and I live in Arlington, Virginia (just outside of D.C.), having moved here in 2015 after retiring. Our two kids both live in nearby Springfield, Virginia. Diane and I are coming up on the 50th anniversary of our first date on July 4, 1974. We stay in touch with two of my Alpha Sig brothers from '74, **Robert Burke**, who splits his time between Connecticut and Florida, and **Mike Mudd**, who splits his time between the east and west coasts of Florida.

"We have been doing a lot of traveling over the years, which was interrupted by first COVID and now the Ukraine conflict, since our COVID-delayed trip was for the rural part of Romania near the Ukraine border. I have been playing pickleball nearly daily for five years (before it was cool), and Diane joined me for the last two years. Thanks, Stu (Rusty) Klatzman."

And here's a note from your class leadership:

"Hello fellow '74 classmates from your class officers! On behalf of the Class of '74 Alumni Committee, we hope you are all doing well. It's hard to believe almost 48 years have passed since we graduated from Stevens. Although our milestone 50th-year reunion is two years away, now is the time to 'save the date' generate excitement with our fellow '74 classmates about attending the reunion and support our reunion class goals through fundraising!

"Our milestone 50 Reunion will be held June 1 and 2, 2024, during Stevens Alumni Weekend. It will be a great opportunity to reconnect, relive your college memories and renew friendships with fellow classmates.

"The Class of '74 Alumni Committee currently consists of **Bob Thoelen, Greg Gemgnani, Gary Jung and Frank Donaldson.** The committee is

working on setting goals that will make our reunion a great success! Those goals include significant percentage of class participation in fundraising; amount of funds raised; and participation in the onsite activities during Alumni Weekend and our 50th Reunion events.

"The ultimate goal, in addition to having fun and reconnecting, is for our efforts to contribute to a meaningful purpose. One idea is for the Class of '74, through a successful fundraising campaign, to establish a scholarship for a deserving prospective Stevens student.

"We need your help to make this a success. How can you help make our 50th Reunion a success?

"Share this information with fellow '74 classmates.

"Join the Committee! Contact a committee member below if you want to join the committee and/or help with ideas, planning and execution.

"Join the new Stevens Class of 1974 Facebook page (*Coming Soon!*).

"Stay connected! Email one of the committee members your current contact information.

"Do you know someone who has passed from the Class of '74? Please email us their information, as we plan on recognizing those fellow classmates during the reunion.

"Thank you in advance for your time, efforts, enthusiasm and your participation in making our 50th Reunion for the Class of 1974 a meaningful, enjoyable and successful event!

"Best Regards, Stevens Class of '74 Alumni Committee." They include:

Frank Donaldson, 973-722-6658,
ftdonaldson5@gmail.com

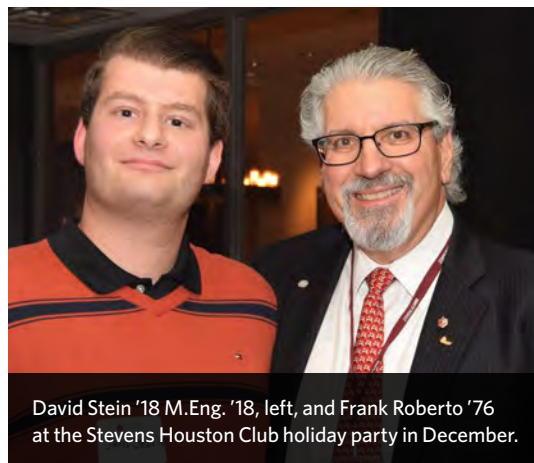
Bob Thoelen*, 860-749-6220,
thoelenr@gmail.com *Bob is leading the fundraising effort

Greg Gemgnani, 610-704-1488,
ggemgnani@gmail.com

Gary Jung, 717-725-5188,
jungpackaging@msn.com

— **Gary Jung, jungpackaging@msn.com**

'75 March 16, 2022 — Dear Class of 1975. I hope this edition of *The Indicator* finds you and your loved ones well. First off, I want to make you all aware that our 47th reunion is planned for this



David Stein '18 M.Eng. '18, left, and Frank Roberto '76 at the Stevens Houston Club holiday party in December.

June. This is a "make-up" for our 45th reunion, which was postponed due to the pandemic. Regarding reunion activities, **Karl Young**, class president, writes:

"Dear Classmates — We are planning a reunion cocktail hour at Stevens on Friday evening, June 3, 5:30 to 7:30 p.m., and a wine and beer tasting on Saturday afternoon, June 4. There will be a dinner dance on Saturday evening at Stevens, or we can opt for our own class dinner event off campus. More details coming to you by email soon. We want your ideas and suggestions for Saturday night. Thanks — Karl Young, ky@1975stevens.tech or ytusaky@hotmail.com."

This reunion is long overdue and promises to be a wonderful event to reconnect with our classmates on the Stevens campus. Please save the date, and we look forward to seeing as many of you there as possible.

Sadly, I must report that our classmate, **Michael Geller**, passed away on January 3, 2022. Mike was born in Irvington, New Jersey, and was most recently a resident of Brick, New Jersey. Mike was a graduate of Irvington High School and earned his bachelor of engineering at Stevens. He was a Theta Xi brother, making friendships that lasted his lifetime. After Stevens, he worked for several consulting engineering firms and obtained his professional engineering and professional planner licenses. He also served as the Howell Township, New Jersey, engineer for several years. As his career blossomed, he became a partner in the engineering firm Gravatt Geller & Associates. Later, he became part owner of the engineering firm Geller Sive & Company LLC in Freehold, New Jersey, until he retired about a year ago.

Mike loved sports and was a die-hard New



Hong Cheng '93 M.S. '93 and Pam Cheng '92 M.Eng. '95, at left, hit the links with Michele and John Dearborn '79 M.Eng. '81 at Tiburón Golf Club in Naples, Florida.

York Yankees and Giants fan. He was a lover of everything Beatles, enjoying Friday night band practice with his fellow bandmates and appreciating golfing on a nice day. All that said, there was no greater pleasure for Mike than hanging out by the pool with his family and friends. He was predeceased by his mother and father, Rae and Benjamin Geller, and his brother, Steven Geller. He is survived by his loving wife, Lucille Geller; his brother, Leonard Geller, and his wife Valerie; and his stepchildren, Beth LaPoint, Brianna Julius and Michael Herman. Mike was truly a great guy, a great friend to many, and will be sorely missed. Rest in peace, Mike.

That's it for now, and we hope to hear news from you in the coming months for *The Indicator*. Contact me directly via email and join our class' Facebook page, Stevens Tech Class of 1975, to stay in touch and make a post. Find it at:

<https://www.facebook.com/groups/stevenstechclassof1975>

Best regards. — **Harold J. MacArthur, Jr.**, harrymac@comcast.net

'76 March 8, 2022 — With no additional contributions for this issue, **Ron Yannone's** career recap continues from where we left off last issue...

In 1995, at home in New Jersey, Ron began developing and reviewing math problems for the American Mathematic Contests and continued doing this for 14 years. This involved grades 8, 10 and higher. These tests lead to the six-student team that attends a Math Olympiad summer program for three weeks to represent the U.S. at the International Math Olympiad (IMO) — the most prestigious math competition for high school students.

In all during his career, Ron received ten U.S. patents for algorithms developed for ground vehicles, aircraft and ships while working at BAE Systems. Most of these were matrix-math/Kalman filter-based algorithms. In May 2004, Ron was inducted as an engineering fellow with BAE Systems. He retired in 2013.

Ron's hobbies include researching and working problems from *Litton's Problematical Recreations* that were in (then) *Aviation Week* magazine (now *Aviation Week & Space Technology*) from 1960 to

1971, developing problems for the United States of America Math Olympiad (USAMO) and IMO, swimming, jogging and yard work (as tedious as it sounds), along with easy-listening music (ever since fourth grade).

Ron asked to share his email if anyone wants to connect with him. He can be reached at ronald.yannone@yahoo.com. — **Frank Roberto**, frankroberto76@gmail.com

'77 March 15, 2022 — Hello! As I write this, it's March 15, 2022 (I'll hold back Ides of March puns), and we're seeing spring arrive in the Mid-Atlantic states. I don't have to remind you our 45th Reunion is June 3 and 4, 2022. Jeff, Dawn and the reunion committee are working on the reunion details. Please check our Class of 1977 Facebook page or the Stevens Alumni website for updates. Also, we're working on a standalone class website. And now the news!

This winter, **Eric Olsen** was skiing whenever conditions allowed. He mentioned he was back playing electric guitar with local rockers. "Not the same as in the Rathskeller with 'Captain Spud and the Probers' and **Steve Legensky**, but a good excuse to plug in a couple of days a week." He's looking forward to seeing everybody at the reunion.

Scott Orshan says he and Susan remained healthy during the pandemic. Susan's psychology practice went full remote until recently. At the high school where Scott teaches, they went remote in March 2020, then on/off remote/hybrid in 2020-2021. In this past year, his school went fully in-person. Also, Scott was elected president of the Long Hill (New Jersey) First Aid Squad, a small volunteer agency handling 700 around-

the-clock 911 medical emergency calls annually. "They've remained in full operation throughout the pandemic."

Got a quick report from **John Bieger**, who mentioned he is still building his new house and hopes to be done this summer.

Dennis Steelman simply said he had nothing exciting to report but was "just chillin' (warming?) in FL" and planning on an eastern Caribbean cruise. **John Ciardi** fully retired in March 2020 and is enjoying retirement! He obtained an M.S.E.E. at Georgia Tech in 1978, worked for Bell Labs (Holmdel, New Jersey) until 1981, then moved to Portland, Oregon, working as a design engineer for Tektronix for 19 years. He worked 18 years for Grass Valley, designing TV industry broadcast video/audio gear. He finished up as a design engineer for three years for Electro-Scientific Industries. He feels fortunate to have had a career as a hardware/firmware engineer for 44 years. He is spending retirement skiing, cycling, playing guitar and traveling the West in his new camper van.

Charles Gerald reports: "Taught two grad-level courses in the Stevens Mechanical Engineering Department that I developed — ME522 and the follow-up course ME523 — from 2000 to 2020. Both courses were in Mechatronics I & II. I really enjoyed giving back to Stevens, teaching industrial skills in machine automation." He is still driving his DeLorean and enjoying automation and motion control consulting in retirement. Charles closed by saying, "It's been one hell of a great ride and still going on!"

Stephen Bauer noted, "We're still in the pandemic, though it seems to be lifting." He's been working from home since the pandemic but returning to the office two days a week. "So far, we've both managed to avoid getting COVID." With spring starting in North Texas, he said his wife has planted many vegetable seeds indoors, which have just started to sprout. He closed by saying, "I can't believe I will be 67 in a few months. And gosh, that sounds so old."

Peter Attas noted that he and his wife sold their Maryland house and would be moving to Palm Coast, Florida, soon. **Ken Legal** told us, "We semi-retired and moved to the Myrtle Beach, South Carolina, area a year ago ... we couldn't be happier, particularly with the weather (a lot warmer here in the winter compared to New Jersey)!" They plan on traveling and have trips planned to South America and Europe. Their second grandchild was born in February. He added:

"Our other granddaughter is in her first year at NJIT. (Can I say that?)"

Steven Harmelin's news is that his two youngest daughters had their babies. They were born three weeks apart. Both girls. He added he has bought a convertible to enjoy the nice Georgia weather.

Sigmund Grudzinski said he and his wife, Ela, are planning a cross-country road trip to visit their daughter at NAS Fallon, Nevada. "We plan on taking a southern route to Nevada and a northern route back.... No set timetable. If we like a place, we may stay an additional day or two. Unfortunately, that may mean missing the reunion this year."

Diane Kopes reported she is working for Sonoma County, California, in the COVID Vaccination Mission as an advance planning lead. She plans and staffs pop-up clinics in the county to vaccinate people for COVID. "It's a short-term position ... assuming that there is no new variant. I know many of you are entering your retirement years. Me? I'm parenting in the Geriatric League! My baby is a senior in high school, so retirement is not on the horizon." Her kids are 23, 21 and 17. She said they love life in California but it's far from family and East Coast friends. She said she has been a single mom for 12 years now. "Time flies!"

For our 40th Reunion, we set a \$100,000 goal for the Class of 1977 Endowed Scholarship to reach "endowed" status. We met that goal and are building the endowment further. As part of our 45th Reunion, whether you choose to give to the Class of 1977 Endowed Scholarship or an alternative designation, please be as generous as possible as we do our part to help the next generation of Stevens students. If you can't find your way to the endowment location on the Ste-



Pat Caramante '80 (Waldo) and his wife, Diane (Carmen San Diego) kicked off retirement with a tour of the Southeast. Read more in the '80 log.

vens website, please contact the Alumni Office or any of the 1977 class officers. (Jeff Iapicco, Dawn Ortell or myself.)

Remember, if you want to be on the mailing list for the Class of 1977 newsletter, email your request to Classof1977@alumni.stevens.edu. Check in on our Facebook page: Stevens Institute of Technology: Class of '77 and our website. Stay well and, hope to see you in June. — Paul A. Porzio, eclectichours@cox.net

'78 March 25, 2022 — While reading the Winter 2022 issue of The Indicator, I was saddened to see the name of Sam Goff in the Vitals' obituary section.

While at Stevens, Sam studied civil engineering and was very active in the Stevens Glee Club and on WCPR, both as an officer and as an on-air radio personality.

Sam's obituary follows:

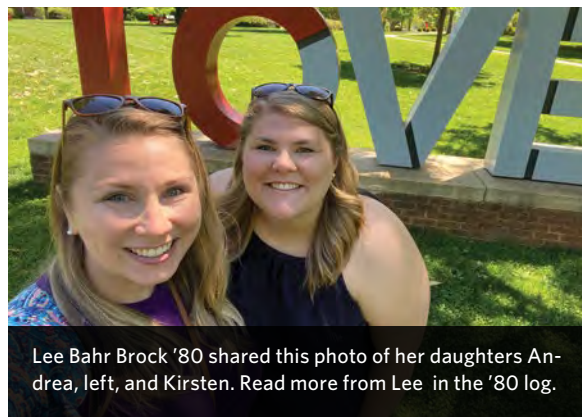
"Samuel Bishop Goff III died on September 9, 2021, in Ann Arbor, Michigan. Sam was born September 14, 1953, in Pottstown, Pennsylvania, but grew up in Ocean City, New Jersey. After graduation from Stevens Institute of Technology, he began a professional career as a civil engineer working in transportation and construction, and eventually performing building condition assessments for Property Solutions.

"His father, Samuel B. Goff, Jr., and grandfather were longtime realtors in Ocean City, and his mother Barbara Lee (Rambo) Goff was an administrator for the Ocean City Chamber of Commerce.

"Sam is survived by three cousins but had no children and was predeceased by his wife, Gloria (Autrey) Goff."

My condolences to Sam's family and his many friends. If anyone would like to share stories about Sam, please send them to me for inclusion in a future issue. — John T. Jarboe, jjarboe1@comcast.net

'80 March 15, 2022 — I am very grateful to my dear friend Lee Bahr Brock for responding to my request (more like an urgent plea!) for class news and emailing me. Lee writes, "Well, gosh... who ever thought that 42 years ago, we would



Lee Bahr Brock '80 shared this photo of her daughters Andrea, left, and Kirsten. Read more from Lee in the '80 log.

all be where we are? Time sure does fly! It seems like yesterday that we were all sitting in the 'Rat' complaining about Sergeant Eddy or differential equations or Professor Pashtoon. (How can we ever forget: 'Ooh, la-la, Pashtoon!!') So many fond memories dwarf the difficulties now!

"Who remembers the dorm 'Gong Show' during the big snowstorm? Where Paul Floyd wrestled a chair... and LOST?!! Mixers when the drinking age was 18?!! Midnight runs for Dunkin' Donuts during all-nighters?!! The kidnappings?!! Marily's toothbrush with the 'yermans'?!! Monty's 'I can nevah baleive'?!! Gosh, we had so much fun... and I cannot think of a better group to have had these memories with!

"So, on to current times! I am still working at Rappahannock Electric Cooperative in Fredericksburg, Virginia, as the managing director, engineering and power supply. As far as electric cooperatives go, we are one of the largest in the country, so it does keep me pretty busy! While I love my job, I am really starting to look closely at retirement.

"I am still married to the love of my life — 39 years this April — and we live in a log cabin in the woods! We have two beautiful daughters, neither of whom wanted to become engineers! My oldest is a music teacher and my youngest is a certified athletic trainer. For entertainment, we have always dreamed of installing a pool, so at the very beginning of COVID, we bit the bullet and did it! Because we are no longer living near the beach, this was our vacation! Who knew, at that time, that we wouldn't be able to have parties for TWO YEARS?!! I guess we'll have to make up for it this year!

"Well, that's all for now! I look forward to a time when we can all be together again to reminisce of all the times at Tech! I love you all!!!!" Right back at you, Lee and thanks for the memories! I certainly smiled a time or two while

reading your note!

Acknowledgements to **Pat Caramante** for his input as well! Pat shared, "2021 was a busy year for the Caramante clan. I followed Diane into retirement on 3/31, and we promptly took off for a tour of the southeast USA. Stops in Kentucky included the Louisville Slugger factory, distillery tours at Buffalo Trace and Old Forester, and the Corvette Museum. Tennessee brought us to the Bluebird Cafe and Graceland, and we finished in Georgia with a trip to the Braves' new ballpark. Of course, dressing up as Waldo and Carmen San Diego and aggravating our kids just made it more fun (see photo).

"Life in Florida is great, and we look forward to seeing everyone at our belated 40th reunion." Looking forward to seeing you and Diane as well, Pat!

If this issue of *The Indicator* arrives to you by late May/early June, we're looking forward (finally!) to seeing many of you on campus during Alumni Weekend, June 3-5, 2022. It's not only a chance to get together and catch up (and celebrate our 40+2 reunion), but also to see the dynamic, renewed campus. If you haven't been on campus in a while, you really will be amazed!

Until next time: Take care, and please consider sending me a line or two... or submit your log updates and photos online at: stevens.edu/alumni/submitnews. Otherwise, Katy or I may have to track you down. Thanks! — **Kathy M. Burkholder McCarthy**, kathybmccarthy@hotmail.com

'81 As we move into another phase of our lives with the COVID endemic vs. pandemic, more and more face-to-face opportunities are coming back. This includes the celebration of our 40th anniversary — a milestone for our class! Yes, we are looking to celebrate our class over the June 3-4, 2022, Red and Gray Days. At the moment, our plans include a class cocktail hour and, of course, participating in the other programs that Stevens has to offer. We hope to see many of you there, and I'll be ready with pen and paper to capture any news you care to share with the full class through our logs.

So, for this *Indicator* log, I have no news. Save the dates and let's catch up on June 3-4, 2022. — **Gloria M. Ron-Fornes**, gmforne@gmail.com

'82 March 21, 2002 — This log will be a short one. Unfortunately, the last *Indicator* came out late and this log is due in March before most of you will have received it, so I do not have a lot new to report. By the time you read this, our 40th reunion will have taken place during Alumni Weekend at the beginning of June. I look forward to reporting on the reunion in a future class log. Also, by the time you read this, the new Class of 1982 website should be up and running on the Stevens website.

In the last log I shared some personal information about our new Class President **Esfandiar** and myself and told you that I would share some personal information with you about our new Vice President **Vin D'Agonstino**. I have not gotten any details to share yet. I will make it my mission to get some stories about Vin at Alumni Weekend and share them with you all in the next log. If anyone has a good story about Vin as an undergraduate, please share. Feel free to just make stuff up, if you like! An amusing story, even if it is not true, will be entertaining.

As I shared in the last log, the Alumni Office

Deferred- and Immediate-Payment Charitable Gift Annuities

Give and Receive

A Charitable Gift Annuity at Stevens can provide you with an income stream, significant tax savings and the satisfaction of providing vital long-term resources for the university.



“It is rewarding for us to contribute to Stevens through a Charitable Gift Annuity. We receive secure, fixed payments for life and Stevens receives a gift. Because the generosity of others kept me enrolled at Stevens and helped this Hoboken-raised graduate, we've designated our gift annuity to one day add to our endowed scholarship at Stevens, which we established in 2015.”

— **John Abom '65 and Carole Abom**

Annuity Rates*

Immediate payments
(one life)

AGE	RATE
65	4.2%
70	4.7%
75	5.4%
80	6.5%
85	7.6%

Immediate payments
(two lives)

AGE	RATE
65-70	4.0%
70-72	4.2%
75-78	4.8%
77-80	5.1%
82-85	6.1%

*Deferred- and Immediate-Payment Charitable Gift Annuities with Stevens are not available in all states. Rates are issued by the American Council of Gift Annuities, effective July 1, 2020. Prospective donors are urged to consult their personal tax and financial advisors concerning the specific consequences of making gifts to Stevens.

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Michael Governor

Director of Planned Giving

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Email: **Michael.Governor@stevens.edu**

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has lost track of a lot of our classmates. In my review of the records, out of 311 of us in the Class of '82, there are only 47 addresses that are listed as verified and valid. I am not sure how this stacks up with other classes. The Alumni Office has 232 emails but no indication of how many are valid. There is an address listed for every member of our class, and while they may not be accurate, using those addresses, it looks like the vast majority of us (two-thirds) are still within an eight-hour drive of campus. Most of us are recorded as being in the northeast corridor, with some pockets in Florida and California. The rest are scattered around the U.S., with a handful of international addresses.

There is no one from our class in Wyoming yet (in fact, only a couple from Stevens at all), and I hope to change that if construction costs and delays drop in the future. Right now, it costs too much and takes too long to build, with no end of supply chain issues in sight. No one from our class is listed as deceased, but that sounds too good to be true, so I suspect it is the lack of contact that gives that result.

I hope that we got to see some of you at Alumni Weekend and our 40th anniversary. Esfandiari, Vin and I plan on being there, and I will report on the activities that take place and who is in attendance in a future log. Share any news you have and let me know if you have retired and what you are up to, for inclusion in this log. Reach out to friends that you may still keep in contact with, and make sure the Alumni Office has their current info. Stay safe, be well! — **Dan Roman**, n2mfc@alumni.stevens.edu

Editor's Note: Here's some more '82 class news!
Christopher Maione reports that he is cur-

rently senior project manager of One Wall Street, luxury residences now under construction in Lower Manhattan. Christopher oversees all technology and electrical work on the project. According to a statement from Christopher's firm, Christopher Maione Associates, "the renovation of the historic Ralph Thomas Walker designed Art Deco building from its previous incarnation of Irving Trust Company's corporate office space to modern, distinctive residences was meticulously planned to retain the 1930's exterior. This is the largest, most ambitious conversion of a landmark office building, of 50 stories and 1.2M square feet, into 560 luxury condominiums."

Christopher tapped **Pete Rogina '83** to join the project as senior field site engineer, overseeing all QA/QC processes including all architecture, mechanical, electrical and construction disciplines. "I am honored to be part of this distinctive project, a New York City landmark in its own right, and to have been part of its transformation is a career high for me," Christopher says.

'84 March 2022 — The past two-plus years have been crazy with this COVID-19 virus and all the mutations. Will this ever end? The year 2020 started off weird enough with the famous virus, and the March lockdown with hoarding of various paper products. Don't forget the Pentagon may have confirmed that UFOs and aliens could live among us. The "murder hornets" and the parallel universe where time flows backward. We also experienced the locust invasion, the missing Star and, of course, the mysterious seed packages. At the end of 2020, we got a vaccine.

With 2021 came two more vaccines, and



Class of '85 friends Cathy (Reilly) Garry, Michelle Blanchfield, Ellen Cronan, June (Weiman) DeSalvio and Charlie Buscarino enjoyed apple picking together in Flanders, New Jersey.

most of us were vaccinated, to learn it only lasts temporarily. A fall booster seemed to be needed. We lived through the Delta and Omicron variant surges, and 2022 began. The big question in 2022 seems to be: Will WWII start, and will it become a nuclear apocalypse?

Trivia Contest: If it's about baseball, it excludes about half of us. Here is a logic question: Give the next two sets of letter pairs in the following sequence:

BM DJ BR LG JD JT MM

There are two answers (example: AB CD or CD AB). Ordinary differential equations might help. This is a good interview question where some interviewers can reject candidates who get this wrong while others can reject candidates who get this correct. Winners can receive mysterious seed packets in the mail or maybe some murder hornets. Losers can receive a package of face masks which must be worn in the car when driving alone. — **Robert P. Confrancisco**, rconfrancisco@gmail.com

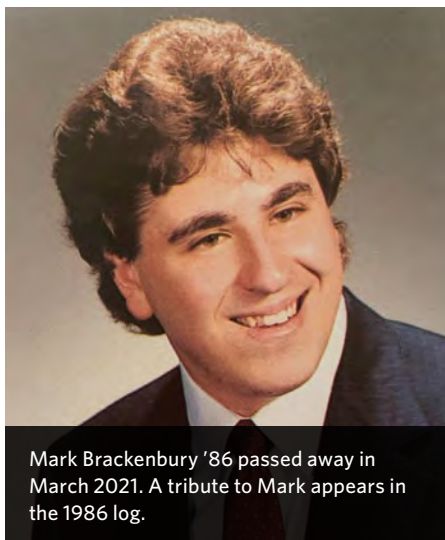
'85 January 2022 — WANTED: Class secretary, interested in posting pictures, reaching out to fellow classmates, keeping up to date on Stevens activities.

See a photo of your classmates near this log. Many thanks to Cathy Garry (nee Reilly) for sharing pictures! — **Ellen Cronan**, ecronana@yahoo.com

'86 March 2022 — The Indicator staff was saddened to learn of the passing of **Mark J. Brackenbury**. His family and friends have our deepest sympathy. A tribute appears with this log.



Enjoying a fishing trip off the Jersey shore, from left, are Emil Stefanacci '85, Jen Robbins '20, Dick Magee '63, Penny '86 and Rod Robbins M.Eng. '96 and Rich Kluge '85.



Mark Brackenbury '86 passed away in March 2021. A tribute to Mark appears in the 1986 log.

Mark J. Brackenbury

Mark J. Brackenbury of Little Egg Harbor, New Jersey, formerly of Emerson, New Jersey, a longtime volunteer firefighter who was deeply devoted to both his community and his family, passed away on March 13, 2022.

Mark was an accomplished IT director. He worked with Pfizer for 14 years and was working with PDI/Nice-Pak in Woodcliff Lake, New Jersey, before his passing. He was a longtime volunteer firefighter, joining the Old Tappan, New Jersey, Fire Department at the age of 16 and serving alongside his father. He later served with the Emerson Fire Department, up until his passing, serving as chief in 2016 and 2017.

Mark was deeply devoted to his community and actually met his wife Amy through the local fire department. This community of firefighter volunteers will always hold a special place in both their hearts, and Mark's bond with these men and women will never be forgotten.

Mark also loved the water and the beach, and he and his wife made their dream come true when they moved down the shore. He enjoyed barbecuing on the deck, boating, jet skiing, watching football on Sundays and spending time at home with his family. Mark was a happy, fun and loving guy and will be dearly missed by many, his family said.

Surviving are his wife, Amy; his sons, Mark, Jr., Evan and Craig; his mother, Amelia; his grandson, Jackson; his siblings, Scott Brackenbury, Teresa Angelakos, Jeanette Kammlott, Andrew Brackenbury and Catherine Brackenbury; and many relatives and friends. — **Debi Motler**, dmot419@gmail.com

'89 March 15, 2022 — There are a LOT of exciting things happening on campus these days! Have you seen the video of the unveiling of the Stevens sign on the new University Center Complex? Facing the Hudson River for all of Manhattan to see, it is a structure to behold. I may go back to school just so I can live there. Want to keep up to date with the latest research going on? Click on the "News" tab at the very top of the Stevens website (www.stevens.edu). There is amazing stuff happening that will blow your mind.

I reached out to power couple **Jim Szipszky** and **Dianne Smith Szipszky '90**. They have led a life of adjustment, adaptation and assimilation with grace and poise. Dianne writes, "Thank you, Dawn, for always reaching out to fellow classmates for updates! We enjoy reading them in *The Indicator*."

"Jim and I are doing well in northwest Connecticut. After the onset of the pandemic, juggling our college-aged daughters' transitions and many corporate moves, we decided it was time to retire. We chose to move to a more rural community northwest of Hartford that is surrounded by preserved open space and centrally located to our girls. Jim is working on many projects around the house, volunteers with a local refugee resettlement organization and is a trail steward for our local land trust. In the summer, he is busy outside creating a large vegetable and cutting-flower garden. We have also been busy working our way through several 'best hikes' lists around New England, usually accompanied by our 11-year-old dog Happy. During winter, Jim is often cross-country or downhill skiing in Connecticut, Massachusetts or Vermont. He is thoroughly enjoying New England winters and has the stretch goal of skiing the entire 311-mile Catamount Trail across Vermont.

"I have spent most of my time through the years setting up new homes in locations from Singapore and Yokohama to Houston and Fairfax County, Virginia. Our favorite spot to call home was definitely outside Toronto in Oakville, Ontario, but our girls will tell you that they are from Northern Virginia. With this latest move, I decided I wasn't quite ready for a full retirement, so I have joined our local public school system as a Tier 2 intervention math tutor in the middle school — or, as I describe it, a Math Mom. I quite enjoy working with the kids, and it is nice to have a daily routine.

"The best part of retirement has been being closer to our three daughters; all have chosen to pursue interesting non-engineering careers. Our oldest just graduated with her master's in public health from Boston University and is working for a major hospital in Boston. Our middle daughter is finishing her illustration/design degree at Pratt Institute while doing various freelance projects. Our youngest is a pre-veterinary major at University of Massachusetts, Amherst. We love having them come home, especially all at the same time, as well as visiting them in Boston, Brooklyn and Amherst.

"This past year, we have been fortunate to reconnect with a few Stevens friends. We were able to visit with **Karen Johnson Byron '90** when she was in Connecticut for a fencing tournament, and we have enjoyed time with **Helen Wu Lewin '90** and her family, both here in Connecticut and in Vermont. We were able to get back to campus in the fall of 2021 to see all the new improvements on campus and attend the LeadHERship Conference. It is always exciting to see the changes on campus and meet current students. They are an impressive bunch.

"Hope all are well — and that all stay safe. Thanks for all that you do to keep us connected, Dawn!"

I extend the same heartfelt thanks to the both of you. The Szipszkys have supported Stevens throughout these last 30-plus years; they are absolutely making a difference in the lives of current students. On a biased side note, I love that you are still in touch with Delta Phi Epsilon sorority sisters. I remember your pledge class like it was yesterday. Go Deepers! Reach out to a classmate today! — **Dawn M. Madak**, dawnmadak@me.com



Jim Szipszky '89 and Dianne Smith Szipszky '90 are enjoying retirement near their daughters in Connecticut. Learn more about their many activities in the '89 log.

'11 January 27, 2022 — "We hope you're all doing well! We have an update to share in *The Indicator*. We are now a family of four! Our son, Colin, was born in August 2021 and joins his big sister, Claire, 2. (See the Sproul family photo on page 60.) All the best. — **Kate (Santullo) and Taylor Sproul**" — **Gabriella M. Reyes**, gabriella.reyes@gmail.com

'16 March 15, 2022 — Taylor Carden M.Eng. '17 and Matthew Shubeck '15 M.Eng. '15 are pleased to announce the birth of their son, Archer. They look forward to the day they can share their favorite Stevens memories with Archie, like how they met in Quackappella and spent late nights in the library studying together for steel exams. Matt and Taylor hope Archie will share in their love of engineering and music. With any luck, he'll be a tenor so they can harmonize.

As with many couples, the COVID-19 pandemic interrupted Gavriella Risman-Jones and Zachary Everett '15's plans. After meeting in 2012 at Stevens and dating for eight years, they got engaged in November 2018 and were set to tie the knot in October of 2020. When it became clear that they wouldn't be able to have a wedding of the appropriate size and boisterousness to celebrate their relationship, they decided to exchange vows privately in Colorado and to have a full celebration in 2021 when things were safer. On October 22, 2021, Gav and Zak renewed those vows, surrounded by friends and family, in the Art Factory in Paterson, New Jersey. The wedding party contained many other Stevens grads: Brianna Sandone, Julia Guignard, Meghan Reilly '17, Simone Viran-Mackanin '15, M.S. '16, Michael Cahill '15 M.Eng. '15, Ryan Siefert '15, Tyler Mackanin '15 M.S. '17, Dan Smith '15 M.Eng. '15, and Paul Dubuke '15, with numerous additional Ducks in attendance.

In news from other classes, Christopher Banko '17 and Jacqueline (Endres) Banko '18 met at Stevens and married on June 26, 2021. Chris graduated with a B.E. in chemical engineering and a M.Eng. in materials science and engineering. Jackie graduated with a B.S. in quantitative finance. After Stevens, Chris joined the Navy as a nuclear submarine officer. He recently completed his first tour on the USS Indiana, including a deployment to Europe. Chris' next assignment is with the Secretary of the Joint Staff in Stuttgart, Germany, where he will act as the actions branch

Marriages

Gavriella Risman-Jones '16 to Zachary Everett '15 in October 2020.

Alexandra Borrelli '16 to Michael Pacelli '16 on October 22, 2021.

Veronica Pidduck '17 to Kevin Quigley '16 in May 2022.

Jacqueline Endres '18 to Christopher Banko '17 on June 26, 2021.

Births

To Trish and John Dillon '10, a son, Joshua John, on November 7, 2021.

To Kate (Santullo) Sproul '11 and Taylor Sproul '11, a son, Colin, in August 2021.

To Taylor Carden '16 M.Eng. '17 and Matthew Shubeck '15 M.Eng. '15, a son, Archer.

Obituaries

M.C. Bickert '44 2/13/22
R.W. Davenport '44 11/23/21
L.E. Sealey '46 9/26/19
C.T. Rogers, Jr. '46 6/4/17
A.J. Schneider '46 1/2/22
T.D. Whitenack, Jr. '47 M.S.'48 9/13/21
G.A. Arlotto '49 M.S.'52 2/28/22
R.P. Webber '49 9/14/21
J.A. Mitchell '50 2/17/22
J.E. Clausen '51 5/28/21
C.W. Coe '51 10/8/21
R.E. Naugle '51 1/15/22
R.D. Tyndall '51 5/4/20
P.E. Rodts '52 3/20/22
E.G. Schwab '52 2/20/22
W.A. McAneny '53 10/18/21
H.R. Angel '54 6/30/21
J.P. Sylva '54 9/5/20
E.C. Neu '55 M.S.'57 3/20/22
R.G. Satz '55 1/12/20
J. Hovey '57 12/30/21

chief for the Combatant Commander for the European Area of Responsibility. After Stevens, Jackie worked for Prudential as a financial analyst. After three years with Prudential, Jackie moved to Gopuff where she currently works as a data analyst.

On October 22, 2021, Alexandra (Borrelli) Pacelli and Michael Pacelli got married at their

M.F. Bonner '58 12/5/21
R.G. Bozzone '58 1/15/22
R.A. Del Ben '58 M.S. '70 12/6/21
F.X. Durso '58 1/27/21
A.M. Huntress '58 11/13/21
E.A. Barbieri '62 2/18/21
T. Bordigon '62 11/17/19
J. Cierkowski '62 12/12/20
G.A. Jurick '62 1/25/22
G. Stein '62 2/17/19
R.C. Bracalente '64 6/1/21
R. Cuneo '64 4/5/21
J.G. Mardo '65 11/5/21
H.K. Rappaport '65 10/12/21
J.A. Jackson '68 2/18/22
L.R. Perlee '71 M.Eng. '73 12/9/21
C.L. Peterson '72 6/16/21
J.F. Rizzo '72 M.S.'81 1/7/19
T.A. Ursic '73 M.Eng. '77 10/29/21
M. Geller '75 1/3/22
D.B. Cadamuro '76 M.M.S. '82 12/17/21
S.B. Goff III '78 9/9/21
P.P. Den Boer '85 12/30/21
M.J. Brackenbury '86 M.S. '07 3/13/22
D.A. Toth '86 3/24/21
T.M. Whitlock '91 M.S. '91 10/19/21

Graduate School

L.W. Ward M.S. '51 1/11/22
F.L. Bradley, Jr. M.S. '54 10/2021
F. Singer, Jr. M.S. '56 1/2/22
H.G. Kienzle, M.S. '61 9/11/21
J.L. Anderson Hon. M.Eng. '63 12/1/21
L.L. Cherry M.S. '69 2/16/22
L.J. Remo M.M.S. '71 1/28/22
H.W. Moore, Jr. M.M.S. '72 9/30/21
P.E. Vitalo M.S. '78 2/12/22
S.S. Bergen Hon. D.Eng. '85 4/24/19
G.J. Ward M.S. '94 1/11/22

Faculty/Staff

E.C. Neu '55 M.S. '57 3/20/22
W.B. Whittaker 4/10/22

parish, Our Lady of the Holy Angels in Little Falls, New Jersey, and had their reception at the Brooklake Country Club in Florham Park, New Jersey. They were surrounded by family, friends and Stevens alumni on a perfect fall day. They started dating in 2017, right after graduation. Both Alexandra and Michael graduated with undergraduate and graduate degrees in engi-



1 From left: Class of '19ers Kiera (Sheridan) Schaefer, Nathan Schaefer, Courtney Jones and Gabriella Romano at the Houston Club holiday party in December.



2 Nicole Fosko '18, who graduated this May from Rutgers Robert Wood Johnson Medical School, celebrated after learning that she "matched" with the University of Pennsylvania for her internal medicine residency. **3** Alexandra (Borrelli) Pacelli and Michael Pacelli wed in October 2021 in northern New Jersey. **4** Kate (Santullo) Sproul '11 and Taylor Sproul '11 hang out with daughter Claire and son Colin, born in August 2021. **5** Taylor Carden '16 M.Eng. '17 and Matthew Shubeck '15 M.Eng. '15 with their son, Archer.



"I am a physical therapist who previously worked in traditional therapy settings (outpatient clinic, hospital), but during the COVID pandemic, I joined forces with a startup that views the field of physical therapy differently. Going to a clinic has become challenging for many people, thus Kins Health provides a hybrid solution to make the therapeutic experience more convenient for patients. I am now part of a team that delivers in-home and virtual care to patients via a consumer-grade digital platform. I am thrilled to be part of a modern solution that solves the issues that my field was facing and pivoted in a meaningful way in order to provide optimal care.

"Previously, I worked in an outpatient orthopedic clinic, a hospital where I provided care both in the inpatient and outpatient sides, and I also did some work for a baseball organization.

"Making the career decision to join a startup that is providing a modern solution for issues that the pandemic highlighted has easily been the best move of my career. I have been with Kins Health since August 2021, and it has been a joy working in this novel practice setting. The company has already received awesome feedback from investors, patients and the therapists we have employed. I am very much looking forward to growing with Kins Health and providing a better means for patients to receive physical therapy services."

— Kathleen Moyer, kathleen.e.moyer@gmail.com

'18 March 19, 2022 — Here's a great update from a new doctor! "Hello, Stevens alumni log! My name is Nicole Fosko, and I'm from the Stevens Class of 2018 (biomedical engineering). I am writing in with some exciting news.

"I am currently a fourth-year medical student at Rutgers Robert Wood Johnson Medical School, and yesterday (March 18, 2022) was our "Match Day." Over the course of the year, we graduating medical students have applied and interviewed with programs across the country, and after mutual rankings from both us and residency programs, we were matched with one program. I've chosen to pursue internal medicine, and yesterday I found out that I will be headed to Philadelphia with the University of Pennsylvania to complete the next three-plus years of my training!

"Graduation will take place on May 16, 2022, after which I will get the MD degree and no longer be just a student, although I will remain a trainee for three-plus years of residency (and possibly fellowship).

neering and continue to work in their respective industries. Alexandra works for TYLin International Group, and Michael works for Becton Dickinson. They are happily married and live in Northern New Jersey area, where they were born and raised.

And Kevin Quigley (computer engineering) and Veronica Pidduck '17 (mathematics) are excited to announce their wedding in May 2022. Although they met at Marine Academy of Technology and Environmental Sciences (MATES) High School in Stafford Township, New Jersey, Kevin and Veronica started dating during their time at Stevens and shared cherished memories at events like the Founder's Day Ball.

After graduation, Kevin started working at Wiley's Hoboken headquarters and now works

remotely with occasional nostalgic visits to the office. Veronica has returned from two years as a Fulbright Scholar in Lithuania and is currently teaching mathematics at Rumson-Fair Haven High School in New Jersey. They cannot wait to move into their new home in Middletown, New Jersey, and start this exciting next chapter of married life. In their words: "Thank you to Stevens for bringing together another proud Castle Point couple!"

Finally, James Sinodinos shared some fascinating career news. A New York City-based physical therapist previously working in traditional therapy settings, he joined a startup that provides in-home and virtual physical therapy. Here, he describes his joining this startup, a move inspired by the pandemic.

"Thanks, Nicole Fosko, Rutgers Robert Wood Johnson Medical School, MD Candidate '22."

We also received a wonderful update from **Luke Castellano**, from London:

"I've been working at Virtu Financial for almost four years. We are one of the globe's largest market makers and agency brokers. I've been a member of our global onboarding team. In the middle of the pandemic, Virtu asked me to move to London (in March 2021) to help align the company globally from a business development, process/procedure and client sales/setup process perspective, post the Virtu/ITG merger. Virtu had requested that I move to London from New York to expand my experience globally and help push the global agenda to our Europe/Middle East/Africa (EMEA) business.

"(This is a) once-in-a-lifetime opportunity. It's an opportunity to get out of my comfort zone and learn more about EMEA market structure and trading, and build my network globally, especially in the EMEA region. It is also a chance to open my mind and see the world from a different perspective." — **Kellie Vertetis**, kvertetis21@gmail.com

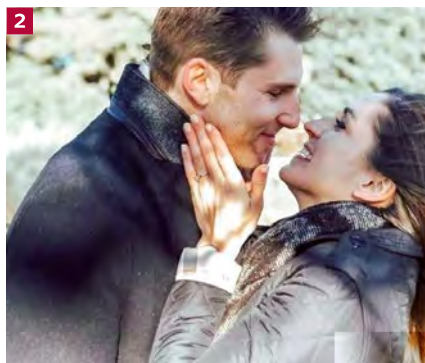
'19 February 25, 2022 — **Zoe Millard** shared an update in late February. After working with American Express (both in-person and remotely), she joined Gemini as a software engineer, working fully remote. Here's her fascinating dispatch:

"After graduating, I've lived in New York City, Northern Vermont (Wolcott), back in NYC, and now in Salt Lake City, Utah. I lived in Wolcott in 2020-2021 while Amex was remote. Came back to the city in the spring and decided that lifestyle wasn't for me anymore. I made plans to move to Utah/out west that fall and then started job hunting for something that would give me the freedom to explore.

"So grateful for my new company's flexibility. Planning to stick around Utah until my boyfriend and I get bored, or it gets too hot, and then see where else looks fun. It's a different lifestyle; we can't acquire possessions as much (I have to put a lot of thought into buying objects) as we are limited now by what we can fit in my car or are willing to ship when we move next. But my 2020-2022 has been way more fun because I have this freedom."

— **Madison Telles**, madison_telles@yahoo.com

Don't see your class log listed? Send an update to alumni-log@stevens.edu or call 201-216-5161.



1 Pictured at the engagement celebration for Ashna Manhas '18 (third from left) are, from left, Aniket Patel '15, Ashna's fiance Vandit Shah, Ashna, her father Dave Manhas '88 and her uncle Ben Manhas '81. **2** After privately tying the knot earlier in the pandemic, Gavriella Risman-Jones '16 and Zachary Everett '15 enjoyed a full wedding celebration with family, friends and many Stevens buddies in October 2021. **3** Trisha and John Dillon '10 M.Eng. '10, with big brother Theodore, welcomed Joshua John last November. **4** From left: Owen Jappen '13, Erica Strojny Class of '25, Christina DeLago '14 and Michael Cahill '15 attended the Chemical Marketing & Economics' STEM Leadership Awards at the New York Metropolitan Club last December. The chemical engineering alumni and current undergraduate student chatted about different ChE career paths.

Clubs



Stevens Alumni Association Holiday Gathering: Alumni celebrated the holiday season in December on Castle Point at the annual Stevens Alumni Association Holiday Gathering. It was a wonderful evening for friends to spend time on campus and reconnect with one another.



Stevens School of Business: Alumni and friends of the School of Business gathered in December at City Bistro in Hoboken to ring in the holidays together.



The Stevens Metropolitan Club: The Stevens Metropolitan Club gathered for their annual holiday celebration in December at Bistro 107 in Moonachie, New Jersey.



Washington, D.C. Alumni Club: The Washington, D.C. Alumni Club held their holiday event at the beautiful Metropolitan Club in downtown D.C. in December. President Farvardin attended and shared several updates on the university.



Central Florida Alumni Club: In February, the Central Florida Alumni Club gathered for a Super Bowl pre-game tour of one of Orlando's top local craft breweries — the Crooked Can Brewing Company. They enjoyed “kicking off” their day together!



Houston Alumni Club: The Houston Alumni Club Holiday Party in December was the first in-person event for the group since February 2020. Alumni and friends were excited to gather again at the Sam Houston Hotel in Houston.

A Final Thought



Stevens alumni and siblings Roman Malantchouk and Natalia Malantchouk Sawka lead an effort to send aid to their hometown, Chervonohrad, Ukraine.

Mission Ukraine: Sending Help Home

It's midnight in Chervonohrad, Ukraine — 5 p.m. in New Jersey — as Natalia Malantchouk Sawka '08 M.Eng. '08 and her brother Roman Malantchouk '10 M.Eng. '11 take a moment on this mid-April day to pause and reflect.

Chervonohrad — their home until they moved to the U.S. in 1999 and where they spent every summer surrounded by generations of family — is never far from their thoughts. Their aunts, uncles, cousins, friends and their revered 91-year-old paternal grandfather — who fought with the Ukrainian resistance during and after World War II and spent almost a decade in a Soviet prison camp — all live in this city of 65,000 that feels like a small town, 30 miles east of the Polish border. Moments of reflection are rare because, just two days after Russia invaded Ukraine on February 24, 2022, this sister and brother team — with busy careers and young children in tow — sprang into action. They haven't stopped since.

They founded Friends of Chervonohrad, a grassroots effort to raise funds and send much-needed supplies to people in their hometown and nearby communities. It's an international family effort, with a network of relatives and friends from New Jersey to Poland and on the ground in Ukraine working together to get supplies directly to people in need, many of them refugees fleeing from other areas of the country devastated by the war. As of April 28, 2022, they had raised \$132,000 and received thousands of units of clothing from well-known clothing companies.

Malantchouk Sawka, of Livingston, New Jersey, and Malantchouk, of Hoboken, spoke with *The Indicator* via Zoom about their mission. Their conversation, edited for length and clarity, follows. At times, their pain is palpable, as is their determination.

Stevens Indicator: How are you and your family doing?

Natalia: There's certainly a lot of pain ... Being a distance far away, you tend to feel a bit helpless. Your heart aches for your family, for your country, for all the people, and then you realize that you just need to do something to help them. So, what our family in the U.S. has done, we've united, and everyone has applied their best skills on what they can do, whether they're fundraising, helping to set up the supply chain, talking to the community on the ground.

SI: How are your relatives and friends in Chervonohrad? What is life like for them?

Natalia: We speak to them every day. They're, of course, scared. When the air raid sirens come on, they have to shelter in place. They're very strong, resilient. They're trying to keep up some sort of normalcy. They still have kids to take care of, who have to attend school remotely. They're really coping with it the best way they can.

Roman: The thing with Ukrainians is that this [the experience of war] is something we all heard from our grandparents, and no one ever thought that they would be reliving this. While it's very scary, for a lot of people, it mirrors what our grandparents went through.

SI: You started this effort to help your hometown. What motivated you, and how are things going?

Natalia: One of the reasons for starting this effort was to engage our parents in helping as well, to give them some structure to funnel their energy. They spend their days talking to friends and family on the ground, asking what they need. They're executing a good portion

A Final Thought



Roman, left, and Natalia in Chervonohrad, Ukraine, 1988.

of the supply chain, to make sure things get to the right place, to the right person. My dad has been purchasing lots of medical supplies, and my mom has been going around to small businesses, fundraising. It really gives them a way to take that feeling of helplessness and stress and convert it into something productive.

Roman: I think Natalia and I weren't sure what to do, but we knew the first thing, something we could do right away, was raise money. We texted a message to dozens and dozens, probably hundreds, of our close friends, colleagues, business clients, neighbors. (Roman owns an architectural design firm; Natalia is a program manager with Infineum, a specialty chemicals company.) It was me, Natalia, our cousin and our significant others. Within a day we raised \$20,000-\$25,000. Then Natalia and her husband started figuring out logistics, along with my parents, back in Ukraine and Poland.

I felt like, for all of us immigrant kids who came here — and whatever we learned in college and in our professions — that this is a moment when we just use our strengths. We created websites, social media accounts, graphics; we've reached out to all of our contacts to have online publications spread the word to have people donate; we organized flag raisings and rallies in our local communities.

SI: What are the greatest needs now, and how does the organization work?

Natalia: There had to be a realistic scope. So, all of us from Chervonohrad, we decided to focus on funneling the help there. That close-knit community has become instrumental to receiving the aid and distributing it on the ground. I want to know that the person who really needs the help is actually getting the help. And that's what we have been able to do with our friends and family on the ground. They're going around town, they're scoping the community, they know where the refugees live, they know what they need.

Roman: We've been continuously providing food to three daycare centers that are housing 150 refugees, and we just added a fourth daycare with another 80 people. These are also places where we've been providing clothing and basic medical needs. We've just purchased our 501st first aid kit. We've also purchased hundreds of tourniquets and Israeli bandages that have gone to hospitals.

We've also provided direct financial support to 25 people, all of whom have been impacted by family separation during evacuations, disability and housing destroyed by the war.

Natalia: A lot of the refugees are mothers and children, and schools are only offered remotely due to frequent air raid sirens. So, we've been purchasing tablets to give to these children, so they are able to attend school. For these people who have lost everything, I hope it helps them just a little, to regain some sort of stability.

SI: Roman has said that this will be a lifelong mission. Can you discuss that?

Natalia: We'll be following the needs, whichever way they develop. We will follow them whether it's humanitarian aid in the area of medicine or in the area of education. Roman has mentioned scholarships and youth programs. Something we realized is that Ukraine has never had the concept of scholarships. It's very empowering. How great would it be to bring that concept back in some way to the youth of Ukraine? We're also exploring becoming a nonprofit.

Roman: When we started helping, I was already thinking about when the country is going to be rebuilding. And I think that's the theme that you see in the Ukrainian people. Personally, it also gives me a light at the end of the tunnel and not to just focus on the news headlines that you see every day. We really believe and hope and know that this war is going to end, that the country is going to rebuild. And we're going to keep helping.

SI: Along with your grandfather's imprisonment, your grandmother also suffered during World War II, fleeing Ukraine at age 7 and escaping to Moldova — on foot. How are you inspired by them today?

Roman: Our grandparents had to act; they had to do something. And they worked hard. They got through everything, built a life for our parents, for us. I can feel sad and heartbroken, but our grandparents didn't give up. They acted. And I remember Natalia and I called each other and said, "We have to do something." What our grandparents' generation went through, it's very fresh in our heads. That's why you see everyone standing up, and people are not wishy-washy or trying to run away from the country. People are extremely patriotic and resilient because of the history that Ukrainians have had. ❖ — *As told to Beth Kissinger*

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