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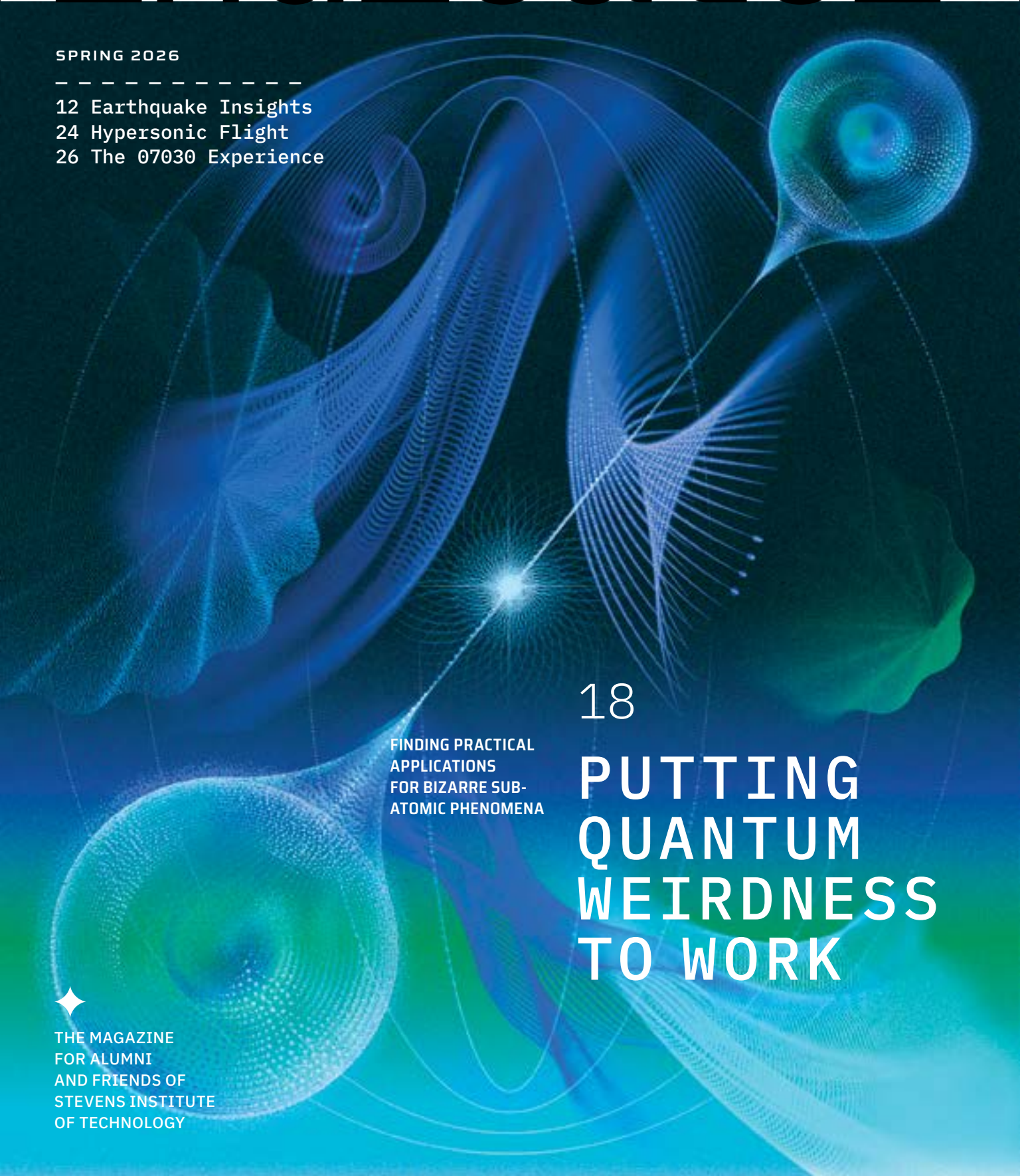

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PUTTING QUANTUM WEIRDNESS TO WORK

FINDING PRACTICAL APPLICATIONS FOR BIZARRE SUB-ATOMIC PHENOMENA

THE MAGAZINE FOR ALUMNI AND FRIENDS OF STEVENS INSTITUTE OF TECHNOLOGY

Stevens is leading the future of technology education with the establishment of a new School of Computing — made possible by millions of dollars in philanthropic support from alumni and friends who share Stevens' vision to advance the next era in AI and technology innovation.

7:
Degree programs launching with the school in Fall 2026, including a B.S. in AI, consolidating Stevens' existing computing education under one structure

6-8:
Additional degree programs planned for future development, including B.S. degrees in data science and computational biology

THE FACTS

$33.57 million:
Philanthropic support secured *to date*

1:
National search launched for a founding dean

Fall 2026:
School of Computing to launch

50+:
Combined majors possible as computing integrates across engineering, business, sciences, arts and humanities

$105,990:
Median annual wage for computing professionals in software development, data science, cybersecurity and AI*

3,000+:
Projected School of Computing enrollment by 2034, tripling current computer science department size

$97,300:
Average starting salary, computer science and cybersecurity majors, Stevens Class of 2025

** Source: U.S. Bureau of Labor Statistics, May 2024*

STEVENS
INSTITUTE OF TECHNOLOGY
1870

STEVENS INDICATOR MAGAZINE
SPRING 2026, VOL. 147, NO. 1

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SPRING 2026

THE VIEW

NEW SCHOOL OF COMPUTING PREPARES STUDENTS FOR WHAT'S NEXT

I am struck by how quickly the conversation about artificial intelligence has shifted — not just in our industry, but in our classrooms and research labs and in the questions our students are asking. They are not wondering whether AI will change the world. Instead, they are asking how they can be the ones who shape it. At Stevens, I believe we have a responsibility to meet that ambition with equal conviction.

This fall, we are launching a new School of Computing — made possible by more than $33 million in philanthropic support, a total that continues to grow, from alumni and friends whose confidence in Stevens' vision I find genuinely humbling. This is not a response to disruption; it is a decision to drive it.

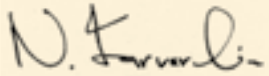
The School of Computing will bring together programs in computer science, AI, cybersecurity and data science under dedicated leadership, new faculty and an expanded curriculum designed for the world that students will actually enter. We have launched a national search for a founding dean who will shape this school's identity and ambition for decades to come.

What distinguishes Stevens is not simply that we teach computing; it is how we connect computing to everything else — engineering, healthcare, finance, the arts. Because the future will not be built by people who only know code. It will be built by people who can apply computing to the problems that matter most and who understand the ethical responsibilities that come with that power. Stevens computer science and cybersecurity graduates are already doing exactly that, entering the workforce with an average starting salary of $97,300.

Among the school's new offerings is a bachelor's degree in artificial intelligence. This program will educate students not only in how AI systems work, but in how to build them responsibly: evaluating their ethical dimensions, understanding their security implications and anticipating their impact on society. We are also introducing an AI minor available to students across the university, from finance and biomedical engineering to music and policy, because fluency in AI is no longer optional in any field.

Our SUCCESS curriculum reinforces this further, ensuring that every Stevens student, regardless of major, engages with AI, machine learning and data analytics, alongside a grounding in ethics. We are preparing students not just to navigate this landscape but to define it.

I am deeply grateful to the community whose energy and belief are making this possible. Stevens has always attracted students who want to build what comes next. We are ensuring that the tradition they inherit is worthy of what they will pass on.



Nariman Farvardin
President, Stevens Institute of Technology
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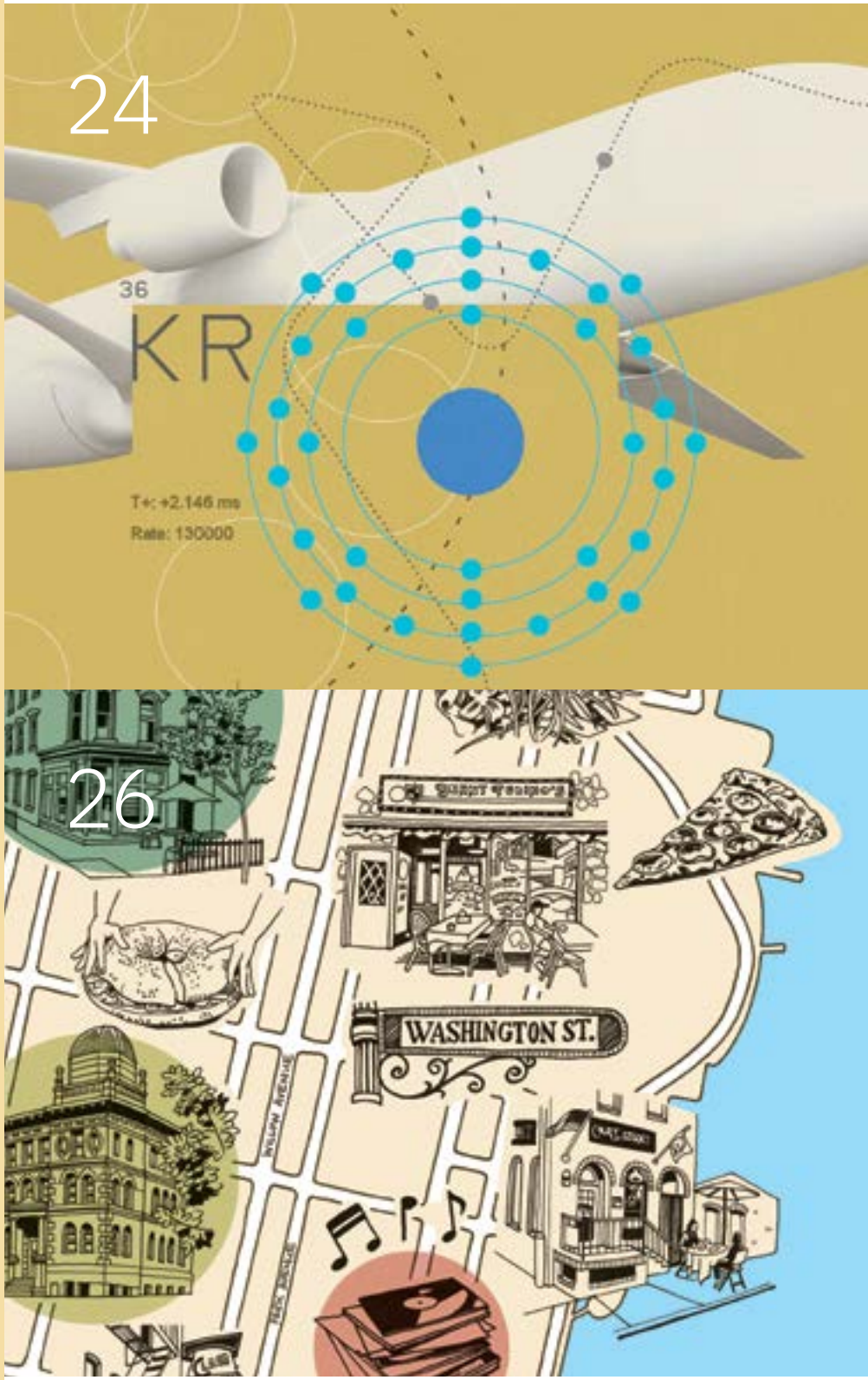


On President Farvardin's Column

As the wife of a former professor of chemical engineering at Stevens, mother of a current staff member at Stevens and grandmother of a graduate of Stevens in recent years, [I found that] President Farvardin's column addressing the influence of AI in our present and future society ("Prepared to Thrive in the AI Revolution," Fall '25 issue) gave me the brightest glimmer of hope for the future. Thank you, President Farvardin.

— Laura Staffin

I just read "Prepared to Thrive in the AI Revolution" and wanted to express my appreciation. [President Farvardin] clearly articulated both the opportunities and challenges presented by AI, as well as the thoughtful steps Stevens has taken to ensure its students are ready not just to adapt, but to lead. I am very impressed by your forward-looking approach and its decade-long effort to prepare graduates for the shifts AI is bringing to every sector. Your commitment to nurturing both advanced technical skills and uniquely human capabilities is admirable and necessary. Thank you for your leadership and vision.

— Larry Fretts '69

Greater Readability and Relevance

I commend the clarity and readability of the magazine. I'm a regular reader and have been for many years. Over the years, I've noticed big changes (like transitioning to the new paper type) and more subtle. I expect each change is, at least in part, driven by efficiency and production cost economics, yet the relevance continues to improve. Well done.

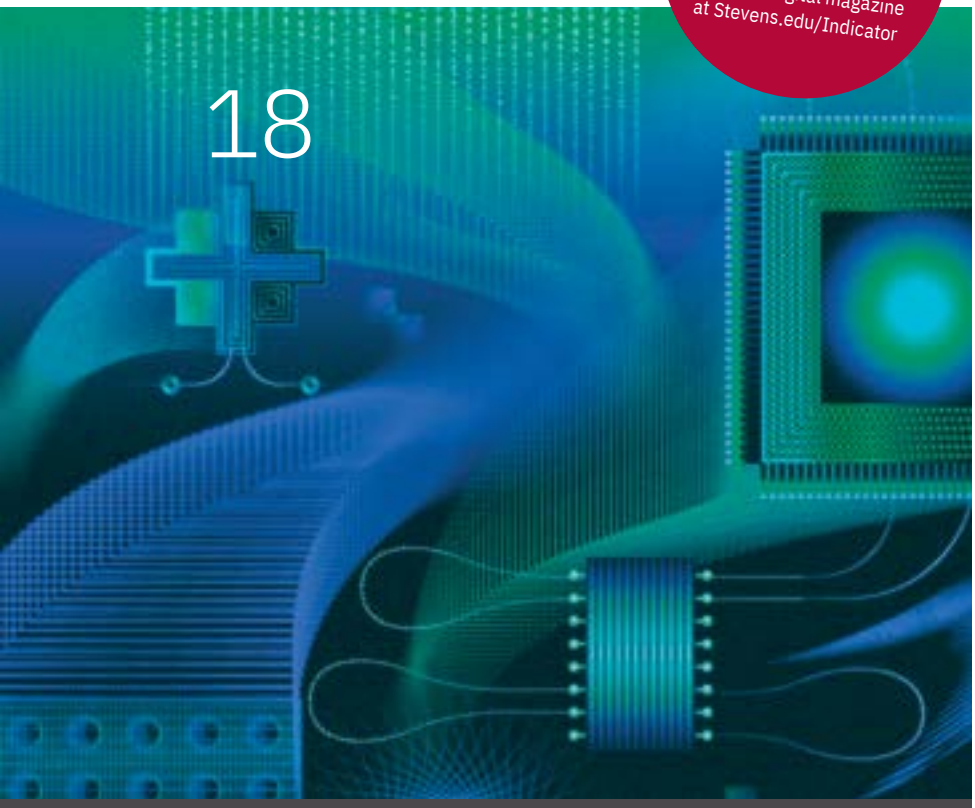
— Richard Steiner M.Eng. '97

SHARE YOUR FEEDBACK

editor@alumni.stevens.edu

[FEATURES]

GO ONLINE!
Read the digital magazine at Stevens.edu/Indicator



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Stevens researchers are finding practical applications for bizarre sub-atomic phenomena.

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24 **Make Hypersonic Flight a Reality**

Nicholaus Parziale, a professor in Stevens' School of Engineering and Science, discusses how his new study brings us one step closer to hypersonic flight.

26 **The 07030 Experience**

Brews, grooves, river views, and midnight munchies: Hoboken, student-style.

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The extraordinary art and artifacts of Alexander Calder (Class of 1919) can be found within Stevens' Archives & Special Collections, as his impact soars into the 21st century.

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Cover: Petra Péterffy

NEWS AROUND CAMPUS

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[QUICK BYTE]

The Class of 2025 Career Outcomes Report, released in March, found more than 93% of graduates achieved their desired outcome within six months. Women graduates achieved an even higher outcomes rate of 96%, while those entering the workforce reported an average starting salary of $86,900.

Christopher Robinson

OPPORTUNITY EXPANDED

Starting in Fall 2026, Stevens tuition will be free for admitted undergraduate students whose families earn $75,000 per year or less.

Investing in Outstanding Talent, and in the Future

BY KARA PANZER

Higher education opens doors for countless students and their families, promoting social mobility and creating new career opportunities. But for some families, the cost of tuition can make that path feel out of reach. This past fall, Stevens made a bold commitment to expanding access to a high-quality education for talented students with limited resources.

The university has launched The Stevens Investment, a plan to offer full tuition coverage to first-time, first-year, full-time undergraduate U.S. citizen or permanent resident students admitted to a degree program whose families earn $75,000 per year or less. Families must have typical assets and meet additional eligibility requirements.

The program will begin with this fall's incoming class and applies to all undergraduate degree programs. Tuition is covered fully by non-repayable grants and scholarships, and students must live on campus for their first academic year.

"At Stevens, we recognize that exceptional students come from all backgrounds and economic circumstances," said President Nariman Farvardin. "Our role as an institution is to identify that potential and work to remove barriers that might prevent these talented individuals from accessing the transformative education Stevens provides. This program reflects our longstanding commitment to fostering the next generation of leaders and innovators, regardless of their family's financial situation."

The Stevens Investment represents one element of a portfolio of financial aid resources designed to support students. For the incoming Class of 2025, Stevens awarded over $38 million in institutional aid, which includes transfer students, with nearly 99.9% of students receiving some form of institutional assistance (merit- and/or need-based). The undergraduate student population in the 2024–2025 academic year collectively received more than $190 million in financial aid from internal and external resources. ✦

Learn more about the Stevens Investment at Stevens.edu/Investment

[QUICK BYTE]

As part of its Transfer Student Success Initiative (STSSI), Stevens partnered with Hudson County Community College (HCCC). The schools will collaborate to identify transfer pathways and align courses and prerequisites. The partnership also creates opportunities for joint research and ongoing campus engagement.

Students take a moment to catch up and enjoy some outdoor games.

Bob Handelman

Nurturing Student Well-being

Stevens earns a variety of national honors for its student support services.

Stevens Institute of Technology has received several recent national honors for its efforts to promote student mental health and well-being.

The Princeton Review named Stevens to its 2026 Mental Health Services Honor Roll, as one of 30 universities that have "shown a strong commitment to their students' mental health and well-being." In The Princeton Review's *The Best 391 Colleges: 2026 Edition*, Stevens was ranked #4 nationally for Best Student Support and Counseling Services and #20 nationally for Best Quality of Life. The support and counseling services ranking is based on students' assessments of counseling services available on campus, while the quality of life ranking is based on student ratings of the beauty, safety and friendliness on campus, among other ratings.

In November, Stevens was honored with the Campus Prevention Network (CPN) Seal of Prevention, a national recognition for the university's approach to student safety, wellness and community building. The CPN Seal, which is presented by the software company Vector Solutions, recognizes institutions that demonstrate exceptional commitment to evidence-based digital prevention education addressing issues such as sexual assault, substance misuse and mental health.

These latest honors build on Stevens' track record in student wellness. In 2022, Active Minds, a non-profit organization dedicated to educating and supporting youth and young adults in mental health advocacy,

recognized Stevens as "one of the healthiest college campuses in the nation" with its Healthy Campus Award. Stevens staff initiated and co-chaired the inaugural New Jersey Higher Education Mental Health Summit in 2024 and hosted the second annual summit in 2025, welcoming more than 500 participants from 54 colleges and universities to further explore strategies to address the college student mental health crisis.

Stevens' approach to student wellness combines digital prevention and education with on-campus resources, peer support networks and campus-wide training for faculty and staff to identify and assist students in distress. The university's Counseling and Psychological Services program offers multilingual counselors, telehealth options, walk-in appointments and a 24/7 call center, ensuring students have multiple pathways to support.

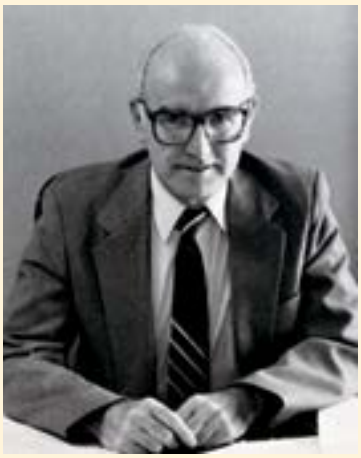
Other examples of support include the Duck Support Network, a coalition of faculty, staff and students who have completed specific Mental Health First Aid training; foundational courses for all students in Title IX, alcohol education, hazing prevention and mental well-being; peer mental health education and advocacy groups such as Active Minds; and specialized training in career readiness, leadership development and community engagement, among other initiatives.

"We've woven this support into the fabric of the institution," says Sara Klein, vice president for Student Affairs. "We ensure that there are support networks and safety nets everywhere that students turn." ✦

LEARN MORE
Stevens.edu/Recognition

An Enduring Legacy

Gathering, gift honor Dr. Francis T. Jones



Current and former students, colleagues, friends and the family of the late Stevens Professor Francis T. Jones Hon. M.Eng. '75 gathered last fall to remember his lasting impact and to celebrate his legacy well into the future.

Jones, a professor of chemistry who died in April 2025, spent 51 years with Stevens, serving as longtime department chair and mentor. With his wife, longtime Stevens professor Nuran Kumbaraci, he was instrumental in the establishment of Stevens' programs in chemical biology, including a first-of-its-kind B.S. in chemical biology to prepare students for medical, dental and pharmaceutical careers. The couple also launched a B.S./M.D. degree, which allowed hundreds of Stevens students to complete their bachelor's and medical and/or dental degrees — through Stevens and Rutgers New Jersey Medical School or Rutgers School of Dental Medicine — in seven years.

During the memorial event, attendees spoke of Jones' many accomplishments and his humanity; he was known to call students who missed class to remind them of their potential and to get them back on track. The department also announced a major gift established by Kumbaraci and their daughters to continue his work, through the Jones-Kumbaraci Endowment. The endowment will provide for assistantships, mentorship and support for students as they pursue research and professional opportunities.

"Not many people get to have the extraordinary impact Jones did, both in programs that still flourish and in people who are making a real difference," says Woo Lee, chair of the Department of Chemistry and Chemical Biology. "The family's continued and much-appreciated stewardship allows us to honor that legacy and help sustain the impact of their vision."

An obituary for Francis T. Jones appears on page 61.

Above: Dr. Francis T. Jones.

Left: Cutting the ribbon for the grand opening of the renovation of the Chemical Biology Lab last fall, from left: Professor Woo Lee; Dean Jean Zu; Professor Nuran Kumbaraci, Dr. Jones' wife; and Dr. Michael Milone '93.

MORE
Stevens.edu/JKEndowment

NOBEL PRIZE WINNER HEADLINES LECTURE SERIES

When the 2019 Chemistry Nobel Laureate M. Stanley Whittingham came to Stevens last September to headline the President's Distinguished Lecture Series, he returned close to where his journey began. Nearly 50 years ago, at Exxon's Linden, New Jersey, labs, Whittingham helped create the first rechargeable lithium-ion battery — a discovery that transformed modern life, powering devices such as electric vehicles and satellites. Now a Distinguished Professor of Chemistry and Materials Science at Binghamton University, Whittingham says that today's lithium-ion batteries remain far from their full potential. He urges that closing that gap could yield enormous benefits: vehicles that go farther, renewable grids that store power reliably and devices that last longer.

More: **Stevens.edu/Lecture**

HIGHER ED LEADERS GATHER AT CASTLE POINT

The Inside Higher Ed US Universities Summit gathered 150-plus presidents, chancellors and provosts at Stevens for two days of dialogue about higher education's future. Co-organized with Stevens, this invitation-only summit held last October addressed what participants called the "perfect storm" — declining federal funding, demographic shifts, political pressures and AI's rapid evolution. Through panels and featured speakers, closed-door roundtables and a Hudson River dinner cruise, leaders tackled difficult topics: the tension between consensus and innovation, shared governance challenges and whether higher education's fundamental approach needs to change.

More: **Stevens.edu/Summit**

EXPLORING AI AND STORYTELLING

The two-day symposium, "Synthetic Narratives: AI/XR + The Future of Storytelling," brought international voices to Stevens last fall to grapple with such questions as: What happens to storytelling when human and machine authorship blur? How do we navigate the creative possibilities and ethical tensions of generative AI and immersive media? The event featured AI-driven interactive and immersive artworks, a film festival of generative AI films, panel discussions and guest speakers. The symposium was co-led by Stevens professors Jonah King and Christopher Manzione from the Visual Arts and Technology program in the School of Humanities, Arts and Social Sciences.

More: **Stevens.edu/SyntheticNarratives**

TOP FACULTY HONORED

The University Investiture Ceremony last fall recognized nine faculty who have distinguished themselves and Stevens through teaching and research accomplishments and have been honored with endowed chairs, made possible by donors. They include: Gabriela Ciocarlie, Dr. Stephen Bloom Endowed Chair, Computer Science; Douglas Cumming, Steven Shulman '62 Endowed Chair of Digital Innovation, School of Business; Brendan Englot, Anson Wood Burchard Professor, Mechanical Engineering; Yuping Huang, Viola W. and Elbert C. Brinning Professor, Physics; Jennifer Kang-Mieler, George Meade Bond Professor, Biomedical Engineering; Nicholaus Parziale, George Meade Bond Professor, Mechanical Engineering; Igor Pikovski, Geoffrey S. Inman Career Development Professor, Physics; Marouane Temimi, Gallaher Career Development Professor, Civil, Environmental and Ocean Engineering; and Hongjun Wang, George Meade Bond Professor, Biomedical Engineering.

Top left: Jeff Vock

Conversation Starters

"What we are doing here is our due diligence to see what else may need to be regulated, depending on what's in the water and what you use to clean it."

Tao Ye, assistant professor with the School of Engineering and Science, described his latest study that used AI to identify thousands of potentially harmful byproducts of tap water disinfectants. The article was published in *Food & Wine* magazine on February 12, 2026.

"You also need the currents to be weak for a period of time, so the tides can't be large."

Philip Orton, associate professor with the School of Engineering and Science, explained the science of ice formation to CBS as unusually low temperatures impeded marine navigation. The story aired on January 28, 2026.

"There can be real benefits from CEOs being online, but there can also be great risks. One needs to tread carefully."

Ann Mooney Murphy, professor with the School of Business, spoke to CNBC about her research on how business leaders can gain social media celebrity status and dedicated followers — and what missteps they must avoid. The article was published on December 21, 2025.

"To me, medical imaging and AI — especially machine learning — seem like a natural fit, and there is a large amount of data available for training and validation."

Jennifer Kang-Mieler, biomedical engineering professor with the School of Engineering and Science and director of the Center for Healthcare Innovation, spoke to MDLinx about how artificial intelligence is reshaping medical imaging and clinical decision-making. The article was published on November 11, 2025.

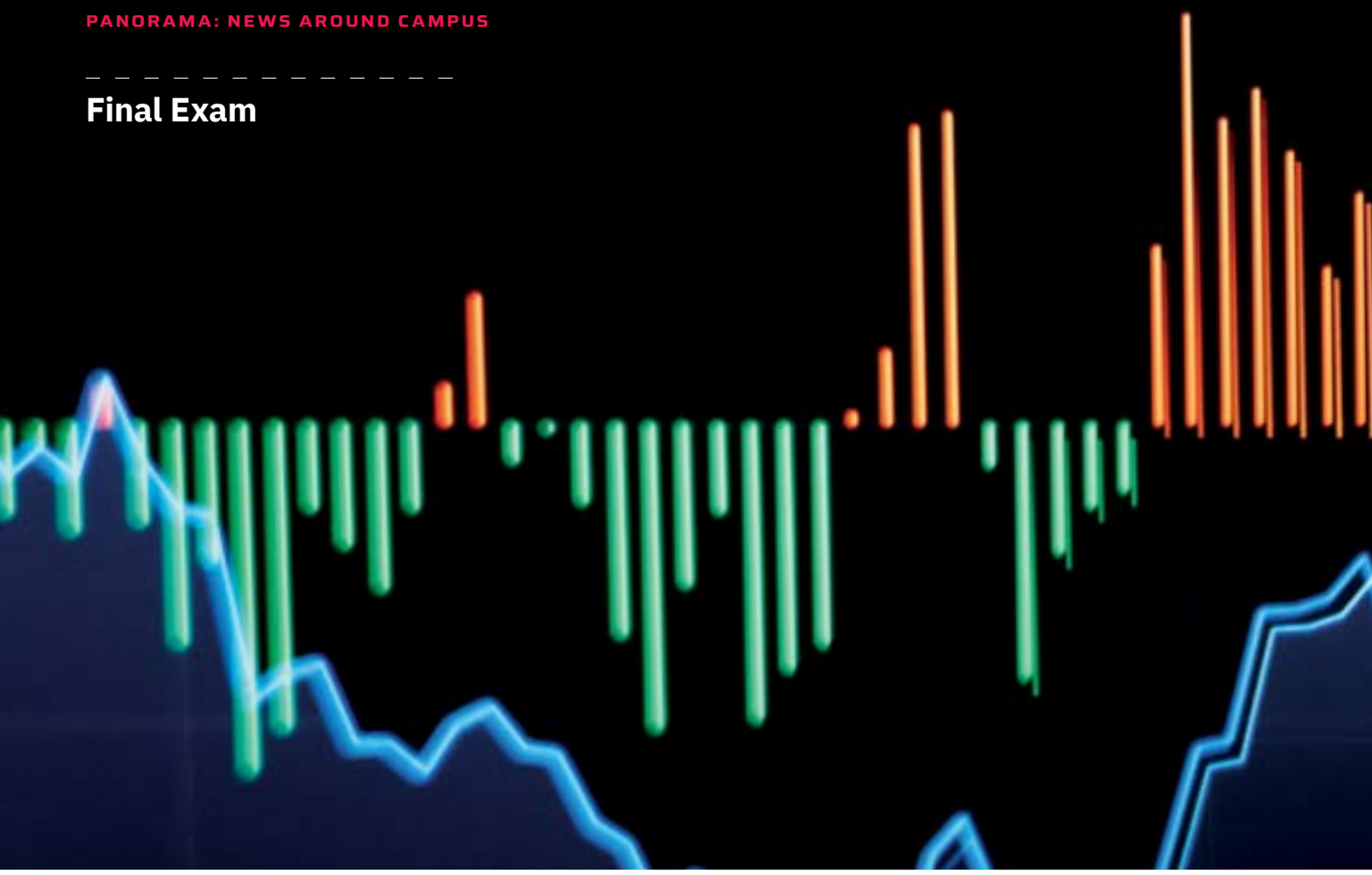
Castle Point

Professor Emeritus **Edward Friedman** recently published his first book, *Nuclear Energy: Boom, Bust, and Emerging Renaissance* (Oxford University Press). Celebrating his 90th birthday this year, he joined Stevens in 1963 and served as Dean of the College from 1973 to 1986. A Fulbright Fellow who directed the development of Kabul University's College of Engineering, he continues to shape conversations around nuclear energy and climate.

Associate Professor **Pinar Akcora** of the Department of Chemical Engineering and Materials Science is lead principal investigator on a three-year, National Science Foundation-funded project to study how ions and polymers interact in ionogels, flexible conductive materials used in sensors, soft robotics and biomedical devices. The project combines experiments and simulations to examine polymer-ionic transport relationships that could inform flexible electronics and energy systems.

Professor **Dinesh Verma**, executive director of the Stevens-led Systems Engineering Research Center (SERC), has received the 2025 INCOSE Pioneer Award from the International Council on Systems Engineering. The award recognizes his leadership in establishing and sustaining SERC as a leading research organization that advances systems engineering innovation. Under his direction, the center partners with 26 affiliated universities to address national challenges in digital, data and trusted systems.

Final Exam



‘Just Follow the Data’

Student team places second and wins trip to NYSE in national investment competition.

BY JOAN CRAMER

Last September, five second-year quantitative finance majors in Stevens’ School of Business were given a million virtual dollars to invest in Vanguard exchange-traded funds (ETFs).

The “Quack Attack,” so-named in honor of Stevens’ Attila the Duck mascot, was one of 50 teams participating in the 2025 Vanguard ETF Trading Competition. (Vanguard specializes in exchange-traded funds, which are baskets of securities, rather than individual securities, traded on the stock market.)

During the two-month competition, the team met regularly to discuss strategy, run simulations and update one another on market trends and their competitors’ activities.

“The success came from following the data,” says Connor Byhre, whose teammates included Matthew Ginzburg, Gabriel Malek, Vikram Vegiraju and Armaan Seth.

“Toward the end, the market got pretty choppy, which makes it easy to start second-guessing, but we kept reminding ourselves to stick to our framework, to manage with our charts, not our hearts,” says Seth, whose teammates relied on mathematical modeling techniques they’d been introduced to in their quantitative finance classes.

All five students say they were attracted to Stevens, where they became good friends, because of its quantitative finance program. Launched by Stevens professor and trustee and former high-tech entrepreneur George Calhoun [see sidebar], quantitative finance is now the business school’s most popular major, and the third-most popular major at Stevens. Less subjective than traditional finance, it uses math and computer science to model financial markets.

Ultimately, Quack Attack took second place in the competition, with a Sharpe ratio of 1.49 — almost twice that of the S&P 500 in the same period. Scoring an excellent Sharpe ratio is critical to success in the Vanguard competition because the Sharpe ratio measures risk-adjusted performance rather than just total returns, rewarding teams that generate the highest returns with the least volatility, a hallmark of stable, long-term investing. The team also finished first in total returns on

[QUICK BYTE]

Companies hiring two or more Class of 2025 graduates include Amazon Web Services, BNY, Google, IBM, L3Harris, PepsiCo, Verizon and Wells Fargo. Other students are pursuing advanced degrees at universities including Johns Hopkins, Trinity College Dublin, Yale and Stevens.

their investments and were the only team to outperform the S&P 500.

As finalists, the Quack Attack was one of the teams chosen to pitch their own ETF to a panel of judges from Vanguard and the Fox School of Business at Temple University. An hour after that pitch, they learned they'd earned the opportunity to tour the New York Stock Exchange in November and witness the iconic closing bell.

"It was a lot of fun," says Vegiraju. "Everywhere you looked there were computer screens, people working. CNBC was doing its news stream right in front of us. And that bell was *loud*."

Ginzburg, a Brooklyn native who'd passed the building many times but never been inside, concurs. "Being inside that building reframed for me what the markets represent," he says. "It's not just a symbol, it's a working system built on analysis, structure and decision-making, and that's exactly the space I want my career to live in." ✦

Right: Peter Tuchman

GREAT PREP FOR FINTECH

Quack Attack's Connor Byhre is one of just 30 applicants (out of around 300 each semester) chosen to participate in the Stevens Student Managed Investment Fund (SSMIF), a two-semester course in which student teams collaborate to manage a portion of the Stevens endowment.

Celebrating its 10th year, the SSMIF has grown from $250,000 to $1.3 million, mostly because of successful student investments. There is also now an internship program, a graduate student-managed fund and an informal advisory board of former student fund managers, many now employed at major investment firms.

"It's been a very successful program," says Professor George Calhoun, who runs The Hanlon Financial Systems Center at Stevens and who spearheaded the SSMIF as part of his ongoing mission to meaningfully prepare Stevens students for today's "hyper high-tech finance industry."

Students, from left: Gabriel Malek, Armaan Seth, Matthew Ginzburg, Connor Byhre and Vikram Vegiraju, with Peter Tuchman, the "Einstein of Wall Street."

THE POWER OF RESEARCH

Impact

14 Cited
15 Strategic Connections
16 Torch Bearers

Insights into Earthquakes

Expediting temblor modeling can enhance risk calculations, helping preserve life and property.

BY ADAM HADHAZY

Striking without warning, earthquakes can collapse buildings and launch colossal waves, killing thousands all within a span of minutes.

Because of the immense number of variables and unknowns that lie behind every quake, researchers cannot accurately predict exactly when the next one will hit. Yet better understanding of where temblors are likely to occur, along with the level of havoc they are likely to wreak, is a chief and realizable goal for current seismologists.

To aid in this endeavor, Kathrin Smetana is conducting pioneering work in speeding up computational run times for earthquake-related simulations. As an assistant professor of mathematics in the Charles V. Schaefer, Jr. School of Engineering and Science at Stevens, Smetana is leveraging her mathematical skills and background to make models smaller and thus less computationally intensive.

In a recent study in the *SIAM Journal on Scientific Computing*, Smetana and colleagues demonstrated a way to slash the number of unknowns in a model by a factor of 1,000, dramatically lowering cost and duration for simulation runs. The upshot: Scientists can now hone their models by being able to run far more of them, improving maps of subsurface areas and tools for seismic monitoring.

"What we did is reduce the size of the system you have to solve," says Smetana. "The seismologists I'm working with are really excited."

For their study, Smetana and her collaborators started by considering the challenges researchers face in computing seismograms. These spiky graphs are captured by seismographs and serve as visual records of the ground motion caused by earthquakes. Local swaying is fundamentally influenced by the composition of underlying ground layers, which range from solid rock to clay, sand and other materials.

In earthquake-prone areas especially, researchers analyze seismograms for the information they contain about those substrata. "Basically, you run synthetic earthquakes on your computer and then you compare with real seismograms to get an idea of how good your model is, and you do this iteratively," says Smetana.

Constructing these models often involves creating 3D grids of the subsurface, then evaluating and approximating a continuous model in the grid points to obtain matrices that can be numerically processed. Smetana and colleagues realized much of the information in such constructs is unnecessary for ultimately producing an accurate wave field — the full description of an earthquake's ground motion through time and space.

The team employed this winnowed approach to a model of the subsurface of the Groningen region in northeastern Netherlands, one of the largest natural gas fields on Earth, where gas extraction since the 1960s (phased out by 2023) altered the shape of the subsurface, triggering damaging earthquakes. Focusing on just the most pertinent data points, the reduced models delivered the same accuracy as time-consuming conventional models.

Smetana aims to continue honing this computational mathematical accelerant. "It's enjoyable and beneficial to engage in interdisciplinary work," she says. ✦

Nadia Radic

Turning Balance in Older Adults

Turning movements are a common context for falls among older adults, yet the mechanics of balance during directional changes remains poorly understood. In a study published in Nature's *Scientific Reports*, a Stevens research team led by Assistant Professor Antonia Zaferiou examined how older adults regulate stability while turning.

As participants completed controlled walking tasks that included 90-degree turns, researchers collected motion data and calculated full-body balance metrics. The team found that individuals who report fear of falling often adopt protective strategies, including reducing lateral sway while turning. These adjustments may help stabilize the body as the center of gravity shifts outside the base of support during a turn. The findings suggest that when assessing fall risk in aging populations, clinicians should take a nuanced approach in order to distinguish between adaptive balance strategies and movement deficits.

Modeling River Ice Dynamics

River ice formation and breakup play an important role in flood risk and streamflow forecasting, yet these processes remain difficult to monitor consistently across large river systems. With support from the National Oceanic and Atmospheric Administration (NOAA), Stevens researcher Marouane Temimi is leading a project to improve the detection and mapping of river ice using radar satellite imagery and machine learning.

The research will use radar observations to track where river ice forms, melts, moves and breaks apart over time. Because radar imagery can detect surface conditions even at night or through cloud cover, the approach allows for more consistent monitoring of river ice than optical satellite imagery alone. The project aims to strengthen streamflow forecasting and support flood preparedness for communities in northern regions of the United States and Canada.

Cited

MORE MEDIA HIGHLIGHTS
Stevens.edu/InTheNews

Corporate Social Responsibility

"As the proverb goes, a good deed is never lost — and it applies to the companies' reputation too."

Haoying (Howie) Xu, assistant professor with the School of Business, speaking about his research into how corporate social responsibility works like an insurance policy when companies cut jobs or benefits during a time of crisis. ✦

European Journal of Work and Organizational Psychology, November 29, 2025

AI IN HEALTHCARE

"Processing more information adds more cognitive workload to clinicians. It also makes them more likely to make mistakes and possibly harm the patient."

Onur Asan, associate professor with the School of Engineering and Science, speaking about his research into the delicate balance clinicians must maintain between being overwhelmed by new AI technology and using it efficiently.

Applied Ergonomics, November 1, 2025

SPACE JUNK

"Even if a tiny, five-millimeter object hits a solar panel or a solar array of a satellite, it could break it. And we have over 100 million objects smaller than one centimeter in orbit."

Hao Chen, assistant professor with the School of Engineering and Science, on his study that proposed a new incentive approach to removing space junk that endangers future space missions.

Journal of Spacecraft and Rockets, October 5, 2025

ON TWEETING POLITICIANS

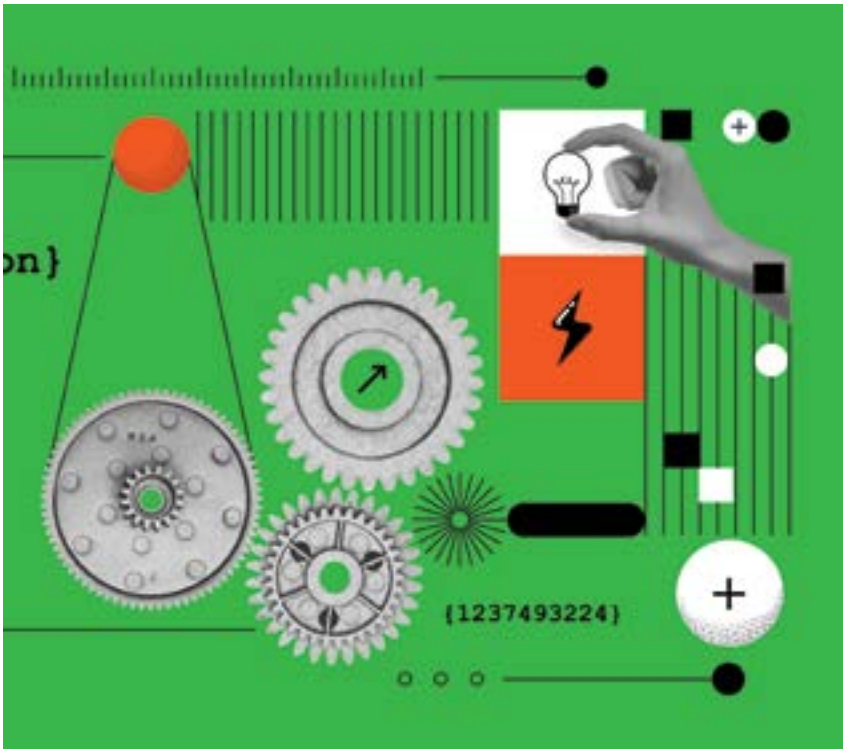
"I suppose some behavior betrays some intention."

Benjamin Leinwand, assistant professor with the School of Engineering and Science, about his study that built a mathematical model to analyze how politicians' tweets may reveal their election ambitions.

Journal of Computational and Graphical Statistics, October 7, 2025

[QUICK BYTE]

Stevens continues to rank as a leader in online education by *U.S. News & World Report*. Stevens placed nationally in seven graduate education categories across the Charles V. Schaefer, Jr. School of Engineering and Science and the School of Business, ranking No. 1 in New Jersey in five.



Real-World Mission

A partnership with General Dynamics Mission Systems gives students hands-on experience solving contemporary engineering challenges.

BY CHARLES O'BRIEN

Kishore Pochiraju, Chair, Systems Engineering Dept., Schaefer School of Engineering and Science

"Having a corporate partner such as GDMS provides contemporary challenges for students, which is critical to Stevens' ability to deliver high-quality design education."

Gina DeOliveira '21 M.Eng. '23, Senior Mechanical Engineer, General Dynamics Mission Systems

"Just knowing how much General Dynamics has done for me, I appreciate being able to give students that real-world experience."

As a senior mechanical engineer at General Dynamics Mission Systems (GDMS), Gina DeOliveira '21 M.Eng. '23 focuses on design and development of complex mechanical systems for critical customer mission requirements. She also mentors Stevens students, helping guide engineering design projects that mirror real-world challenges — often related to advanced defense systems.

"A lot of the tasks the students get now, I've done on previous or current [work] projects," says DeOliveira, noting such experience provides early exposure to engineering problems, professional expectations and collaboration.

GDMS has supported Stevens senior design teams for roughly a decade, providing mentorship through design reviews, resources for builds and direct student engagement with engineers like DeOliveira. Those experiences reflect the intentional design of Stevens' engineering curriculum and the value of long-term industry partnerships, says Kishore Pochiraju, chair of the Department of Systems Engineering in the Schaefer School of Engineering and Science.

"The strength of a Stevens engineering education is its eight-semester design spine, culminating in senior design," Pochiraju says. "Having a corporate partner such as GDMS provides contemporary challenges for students, which is critical to Stevens' ability to deliver high-quality design education."

While studying mechanical engineering at Stevens, Leigha Capra '23 discovered systems engineering through research and project work emphasizing the lifecycle of engineering challenges. Seeking a role on a hardware-focused systems engineering team, Capra joined GDMS as a systems engineer and found her broad engineering education eased the transition.

"It's really understanding the intent of a project or deliverable, and not only how you design that deliverable to meet its expectations, but how you ensure that that deliverable is interfacing both technically with what it needs to interface with, and then also from a business financial standpoint," says Capra.

Today, she works as part of a multidisciplinary team developing and integrating complex systems where coordination across specialties is essential. "I think it definitely is a contribution to a larger endeavor," she says.

Capra's experience reflects how partnerships like GDMS connect classroom learning with real engineering work.

"Working with industry mentors helps students build the skills that contemporary engineering roles demand, including communication, accountability, time management, collaboration and technical depth," says Pochiraju. ✦

Torch Bearers

PASSING DOWN KNOWLEDGE

ALEXANDRA BILOTTO '27

"She's always there for the students. I think that patience is really important."

PATRICIA MUISENER
Chemistry Professor, School of Engineering and Science

"I try every day to be the kind of teacher and mentor I would want."

Michael Marquand

‘Lightbulb Moments’

Guiding minds, shaping futures

BY BETH KISSINGER

Stevens Teaching Professor Patricia Muisener has many memorable mentors. She fondly recalls those who have shaped her as an educator: her mother, an elementary computer/math teacher; her favorite high school teacher; her Ph.D. adviser; her first boss; and many fellow faculty.

Since joining the Stevens faculty in 2015, Muisener has brought her own love of teaching chemistry to all her students. “When working with undergraduates, I enjoy witnessing the lightbulb moment, when they start to make the connections and can explain concepts in their own words,” she says.

And Muisener goes beyond the classroom, to mentor numerous students and help them discover their career path.

“I try every day to be the kind of teacher and mentor I would want,” says Muisener, recipient of the 2024-2025 Stevens Employee Excellence Award for Student Success Champion and the 2025 Distinguished Teacher-Mentor Award, among other teaching awards. In addition to teaching and coordinating chemistry courses and advising undergraduate research projects, she mentors students, advising on coursework, future plans and graduate and health professions school applications. She has played a key role in advancing initiatives to revitalize chemistry education and managing National Science Foundation (NSF)-funded educational programs, including a career mentoring program. *[See sidebar.]*

Alexandra Bilotto ’27 calls Muisener a treasured adviser and shining example of how to treat students.

This spring, the aspiring doctor and chemistry major served as Muisener’s teaching assistant for General Chemistry. She’s watched as Muisener works hard to make sure she reaches every student, varying her teaching methods, including in-class discussions, group work, educational software, worksheets and videos. Every question is answered, and Muisener always encourages participation and removes fear of making mistakes.

“She’s always there for the students,” Bilotto says. “I think that patience is really important” — a quality Bilotto hopes to exhibit in her own care of patients someday.

Last summer, Bilotto was selected for a clinical experience at Montefiore Medical Center — Einstein Campus under external career role model Dr. Lance Bruck. She observed in labor and delivery, visited patients and saw a live birth. Muisener guided her through the experience and, this spring, along with the Health Professions Advisory Committee, advised and supported her through the medical school application process.

Muisener praises Bilotto’s talent, work ethic and compassion toward students — qualities she sees throughout the student body. “Stevens students really care,” Muisener says. “They are engaged in the community, motivating and supporting each other.”

Muisener mentors because she valued and benefitted from the mentoring she received and gains much from those she helps. “You learn so much from other people,” she says. “They help color your experience, making your journey through life so much richer and fuller.” ✦

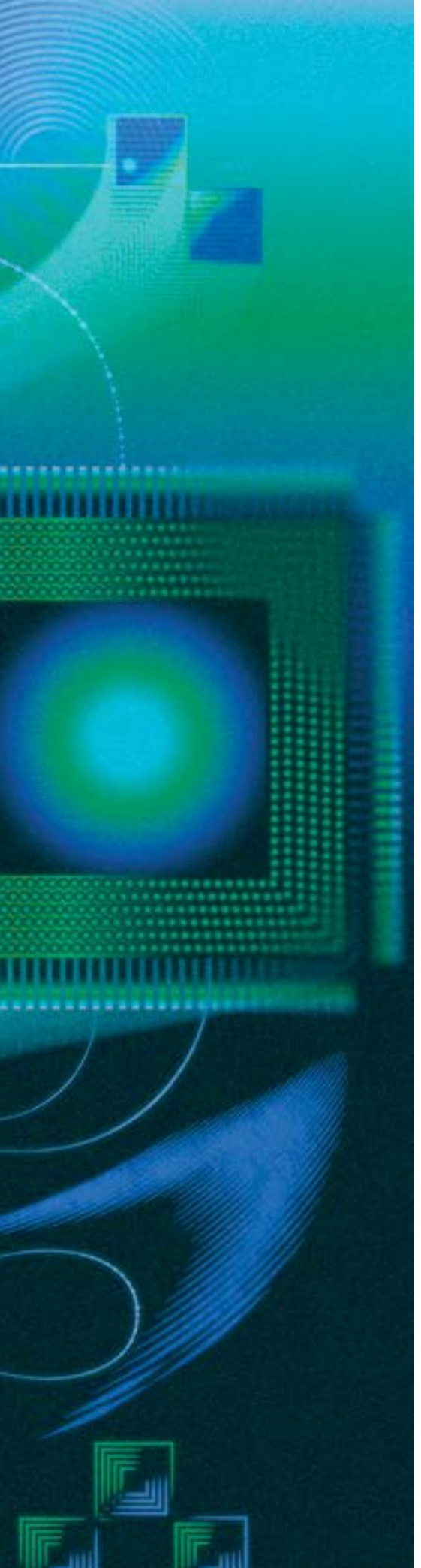
STUDENT SUCCESS

An honored teacher, Professor Patricia Muisener focuses on improving chemistry education and expanding career opportunities for students.

Muisener participated in an NSF-funded grant that helped to revitalize Stevens’ general chemistry courses. And with Stevens Professor Pinar Akcora, she served as co-principal investigator of an NSF Interdisciplinary Research Experience for Undergraduates/Research Experience for Teachers in Sustainable Energy and Bioengineering program. The program offered research and educational opportunities for undergraduates and high school teachers.

Currently, she is a co-principal investigator — along with principal investigator Professor Woo Lee and co-principal investigator Emily Atieh — on a two-year NSF grant to create and analyze an Early Career Exploration Community for Biology and Chemistry Students. This community approach is anchored on the first-year Diverse Career Pathways Course taught by senior academic adviser Jeffrey Lam. This course features weekly guest speakers spanning a wide array of scientific professions who also serve as career role models. Students participate in a structured career planning approach that includes writing a 10-year plan. A number of the role models are Stevens alumni. Students from Hudson County Community College, New Jersey, were added to the program to extend its community reach, educate more students on the diversity of careers in biology and chemistry and potentially improve student retention rates.

Alumni interested in serving as mentors for the program can email Jeffrey Lam at jlam5@stevens.edu.



PUTTING QUANTUM WEIRDNESS TO WORK

Stevens researchers are finding practical applications for bizarre sub-atomic phenomena.

BY BEN WHITFORD

ILLUSTRATIONS BY PETRA PÉTERFFY

The world might sometimes seem chaotic or strange — but look closer, and you'll find it's actually much, much weirder than you'd originally thought.

That's a key lesson of quantum science, which over the past century has drawn back the curtain on a mind-bending array of sub-atomic shenanigans. Zoom in far enough, researchers have found, and you'll see tiny particles behaving like waves — or teleporting from one place to another — or popping in and out of existence — or growing entangled and behaving identically no matter how far apart they travel. Weirder still, despite its name, quantum mechanics isn't mechanistic: It reveals that randomness and uncertainty are baked into the fabric of the universe, and that attempts to pin down exactly what's going on are, on some level, doomed to fail.

Top to bottom: Yuping Huang, Igor Pikovski and Svetlana Malinovskaya

"Quantum science rests on the discovery that at very small scales, the laws of physics are completely different, and incredibly counterintuitive, and have very strange effects," explains Stevens' Igor Pikovski, Geoffrey S. Inman '51 Assistant Professor in the Charles V. Schaefer, Jr. School of Engineering and Science and director of the Center for Quantum Science and Engineering (CQSE). "It turns out that's an exceptionally powerful insight — because now, we're learning to make use of those strange laws to solve problems, here in our own macroscopic world, in ways that would once have been inconceivable."

For much of the past century, quantum researchers relied on mathematics and thought experiments rather than lab work. Researchers asked bizarre questions — such as whether each quantum measurement creates a new universe, or whether a cat locked in a box is alive or dead — and pondered their implications. Today, though, Stevens researchers are bringing quantum concepts into the real world, paving the way for ultra-powerful computers, game-changing medical devices, energy-efficient AI and countless other innovations. "We're transitioning from thought experiments to actual implementations," Pikovski says. "We *know* quantum is weird. But now we're showing that we can put that weirdness to work."

GETTING *REALLY* GRANULAR

The word "quantum" refers to the idea that the universe is fundamentally granular: Things that appear smooth and continuous, like energy or light or perhaps even space itself, are actually made up of *quanta* — tiny individual packets, like pixels on a screen, that collectively give rise to the macroscopic world. Light, for instance, comes in quantum parcels called photons, while electrons occupy only fixed quantum energy levels.

That insight helped resolve some of physics' thorniest challenges, such as why light behaves both as a wave and a particle. But the quantum revolution also revealed the universe to be stranger than anyone had suspected. In school, you might have learned that sub-atomic particles — electrons, protons and so on — whiz around like tiny billiard balls, occasionally piling up into atomic structures. The truth is messier and more interesting.

> "Quantum theory explained how nature works. But today, everybody is excited about quantum technology — because it could spark the next Industrial Revolution."
>
> Yuping Huang

Since 1925, when Werner Heisenberg used abstract mathematics to jump-start the study of quantum mechanics, researchers have viewed quantum processes as inherently probabilistic. An electron isn't a billiard ball, neatly orbiting an atom's nucleus; instead, it's better thought of as a cloud of places where an electron *could*

"Quantum is everywhere. But it's only now, using current technologies, that we can reveal this microscopic world, and start putting it to work for humanity."

Svetlana Malinovskaya

be. Every quantum system, in fact, is a "wave form" of possible configurations. (That's how, in Erwin Schrödinger's thought experiment, an unfortunate kitty, stuck in its box, can be said to be both dead *and* alive.) It's only when a system is observed that possibility collapses into actuality — and even then, there are limits to what can be known. The more we learn about a particle's location, for instance, the less we can know about its actions, and vice versa.

The inextricable randomness of quantum theory can be confounding; Albert Einstein famously resisted the notion, complaining that God "does not play dice." Still, uncertainty can be powerful. Conventional computers, for instance, manipulate bits — strings of zeros and ones — to carry out calculations. But in a quantum computer, a bit can express all the possible values between zero and one. That theoretically enables quantum computers to factor prime numbers at incredible speed, or complete in moments operations that would take billions of years using conventional computers. Such machines could turbo-charge innovation and unlock new forms of AI — but their sheer power could also prove disruptive. "A lot of the modern world is built on this kind of math," Pikovski warns. "Quantum computing would change many things — it might mean, for instance, that all Bitcoin wallets would be instantly broken."

Don't rush to sell your crypto: For now, quantum computers remain incredibly hard to build. Quantum systems are easily disrupted and typically require near-absolute-zero temperatures; even then, they are inherently error-prone. So far, researchers are struggling to reliably knit together more than a handful of quantum bits — or "qubits" — into a circuit. "True quantum computing might still be decades away," Pikovski says. "But it will be a real transition point for humanity once we get it working."

REACHING BEYOND WHAT NATURE CAN DO

In the meantime, Stevens researchers are exploring other promising quantum technologies — and leading the way is Viola W. and Elbert C. Brinning Endowed Professor Yuping Huang, who founded the CQSE in 2017. His research bridges many different areas, from the development of room-temperature quantum chips, to single-photon optical systems, to random-number generators that could power unbreakable privacy technologies. He was also recently named CEO of Quantum Computing Inc., the first publicly traded quantum computing company. "Quantum theory explained how nature works," Huang says. "But today, everybody is excited about quantum technology — because it could spark the next Industrial Revolution."

Huang created the CQSE to accelerate that revolution, bringing together interdisciplinary researchers and engineers from across Stevens. "The hard part isn't just the quantum physics — it's all the things we need to do in non-quantum domains," he explains. When Stevens launched the nation's first campus-based hybrid quantum communications network in 2018, for instance, planners didn't just need sophisticated quantum techniques to create the entangled photons used to send unhackable messages between the Babbio Center and the Williams Library. The project also required the development of high-speed circuitry and specialized signal processing to leverage quantum effects within a practical communication system. "That wasn't something quantum scientists could solve — we needed electrical engineers," Huang says. "It was important to bring all the stakeholders to the table, so we could learn from them and they could learn from us."

One frequent CQSE collaborator is Professor Brendan Englot, director of the Stevens Institute for Artificial Intelligence (SIAI), who is partnering with Huang to explore quantum sensing applications. Huang's team is developing quantum sensors that can literally see around corners, or peer through fog and other barriers; Englot's group, meanwhile, is developing

"Application drives discovery, and discovery drives application."

Edmund Synakowski

algorithms to integrate those sensors into real-world drones and robots. "Yuping is the quantum superstar," Englot says. "Our job is to make sure that when his new technologies are ready to deploy, we have platforms they can be integrated with."

Today, the CQSE comprises over 30 research groups from across Stevens, attracting well over $30 million from the Department of Defense, the National Science Foundation, the Alfred P. Sloan Foundation and others to explore areas ranging from quantum cryptography to the development of exotic materials. The common thread, says Stevens professor and physicist Svetlana Malinovskaya, is a focus on turning quantum phenomena into technologies with real societal impact. "With new technological advances — in lasers and precision control — quantum entanglement has matured into a working resource for quantum information technology," Malinovskaya explains. "We are entering an era in which we can intentionally design and control quantum behavior, manipulating the properties of matter and light at their most fundamental level."

Realizing this vision requires overcoming one of the central challenges of quantum science: stabilizing inherently fragile quantum systems so they can operate reliably outside laboratory idealizations. Researchers address this challenge through sophisticated quantum-control strategies, including ultrafast laser pulses lasting only a quadrillionth of a second, engineered to guide quantum dynamics with extreme precision. Done right, such methods unlock remarkable new capabilities: In one study, Malinovskaya's team created quantum sensors capable of detecting subtle vibration-

al differences between healthy and cancerous cells. In another, Malinovskaya carefully arranged ultra-cold atoms to create quantum gates — a key component in quantum computers — that are 99.9% stable, reducing the resources needed to correct errors.

Quantum shapes every aspect of our world, including chemical and biological processes, so the potential applications are virtually limitless. "Quantum is everywhere," Malinovskaya says. "But it's only now, using current technologies, that we can reveal this microscopic world, and start putting it to work for humanity."

THE WORLD'S FIRST GRAVITON DETECTOR

Quantum technologies are driving theoretical breakthroughs, too. "There's an opportunity to close the loop and think about theory with fresh eyes," explains Pikovski, who made headlines last year by showing that quantum techniques could potentially be used to detect gravitons, the elusive particles theorized to underpin gravity itself. "The accepted wisdom was that this would never be possible," Pikovski says. "But by bringing quantum mechanics into human-scale experiments, we found a way to make it work."

By focusing ultra-sensitive quantum sensors on resonators suspended in superfluid-helium, Pikovski realized, it should be possible to detect gravitational ripples as distant black holes smash into one another. By revealing the subtle granularity in those vibrations — the incremental steps in the apparently continuous vibration — it should be possible to detect individual gravitons. "We'd always thought gravity was impossible to detect at the quantum level — its effect on a single electron or atom is just too weak," Pikovski says. "But we're effectively turning a very large object into a single quantum system — and that can be used to detect gravitons."

Thanks to a $1.3 million grant from the W.M. Keck Foundation — the first Keck award received by a Stevens researcher — Pikovski is now preparing to work with researchers at Yale to build the world's first graviton detector. There's no guarantee he'll actually spot a graviton; Pikovski hopes the first detector will demonstrate the viability of quantum graviton detection, paving the way for the later development of more sensitive devices. "It's just one example of what's possible when we bring quantum laws into the experimental realm," Pikovski says. "We're seeing possibilities which were inconceivable 20 years ago — and there's still so much out there to explore."

That combination of visionary theoretical work and groundbreaking technological innovation makes Stevens a fertile space for quantum research, says Vice Provost for Research and Innovation Edmund Synakowski. "Application drives discovery, and discovery drives application," he says. That approach is in Stevens' DNA, Synakowski notes. In the 19th century, the Stevens family applied innovative theories to build the world's first commercial steam ferries; today, it's quantum researchers who are turning ideas into game-changing technologies. "It's very aligned with the Stevens outlook. Our researchers actually build things," says Synakowski. "We ask our faculty to work with an eye on big societal problems and challenges, and quantum has the potential to be at the core of solutions to so, so many of these challenges."

> "We're seeing possibilities which were inconceivable 20 years ago — and there's still so much out there to explore."
>
> Igor Pikovski

The ultimate goal is to use Stevens' leadership position to make quantum technologies far more accessible. The complexity of working with quantum phenomena — which requires costly materials, ultra-sensitive tools and advanced computing — has held the field back for too long, Huang says. Developing more affordable and compact quantum methodologies will help push the benefits of quantum out into the world.

"We're committed to democratizing this technology so that everybody can benefit," says Huang. "Turning theory into products isn't easy. But at Stevens, we're now at a stage where we're really making something happen." ✦

[HOW-TO]

MAKE HYPERSONIC FLIGHT A REALITY

BY SUE DEPASQUALE

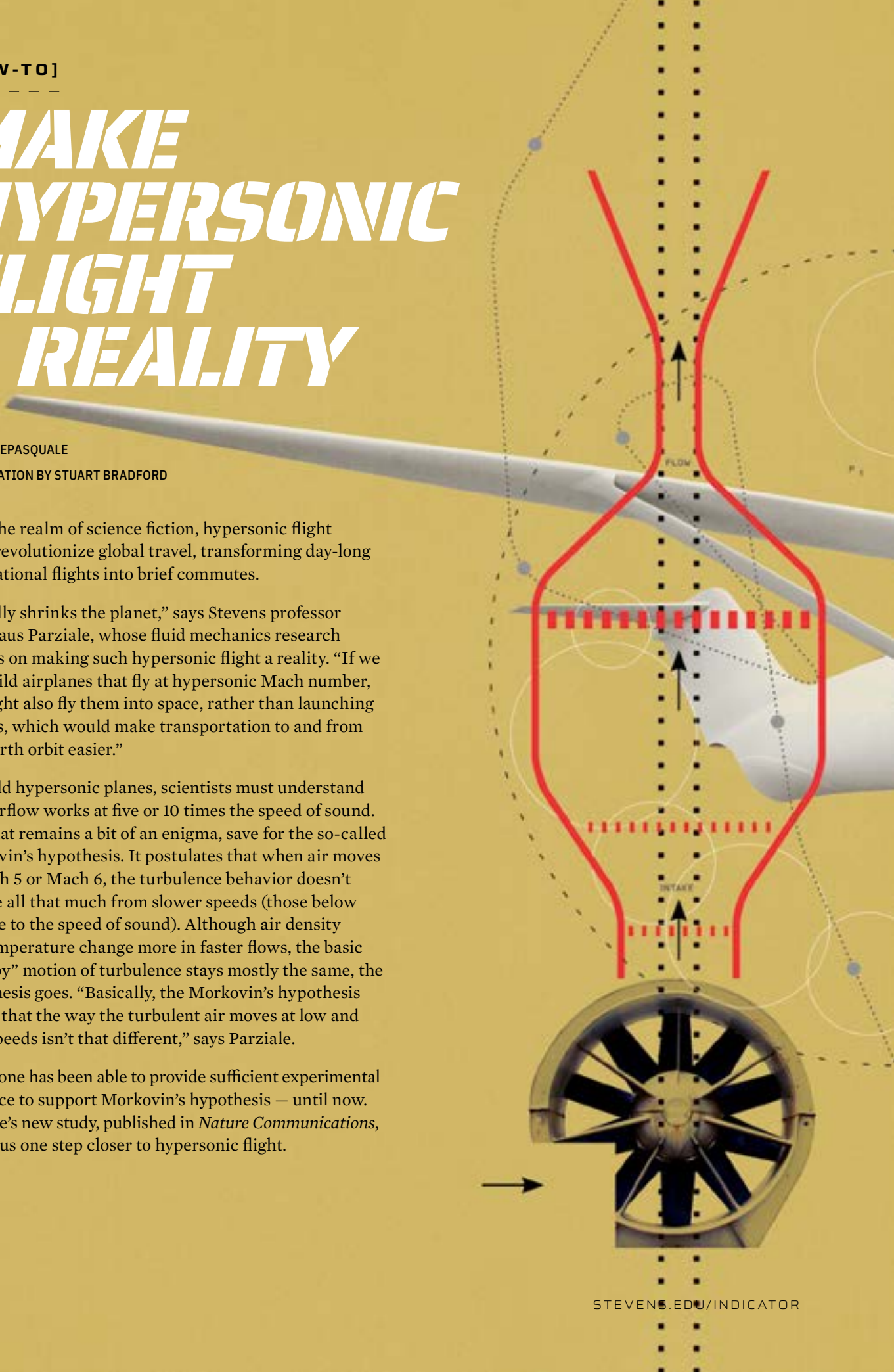
ILLUSTRATION BY STUART BRADFORD

Long the realm of science fiction, hypersonic flight could revolutionize global travel, transforming day-long international flights into brief commutes.

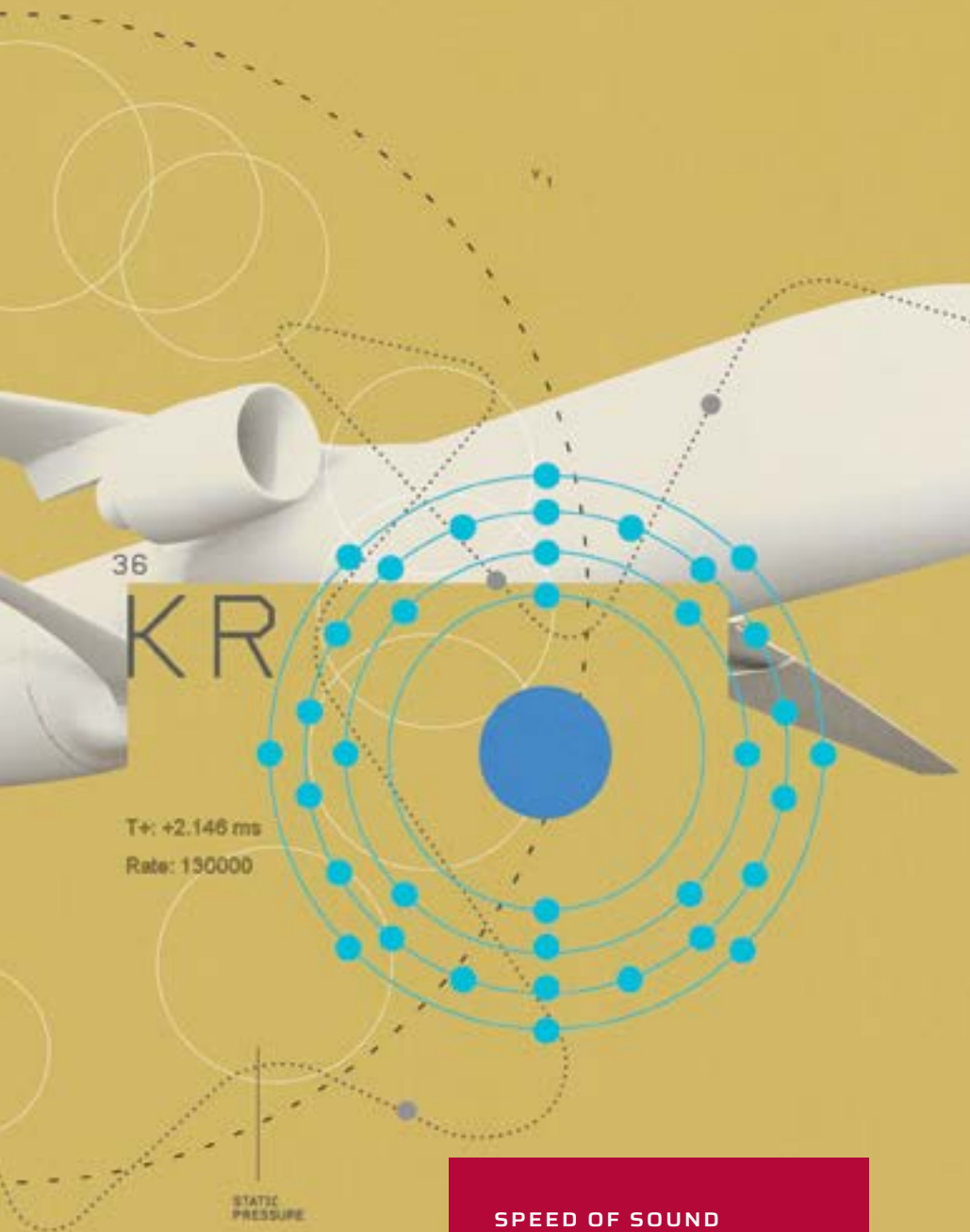
"It really shrinks the planet," says Stevens professor Nicholaus Parziale, whose fluid mechanics research focuses on making such hypersonic flight a reality. "If we can build airplanes that fly at hypersonic Mach number, we might also fly them into space, rather than launching rockets, which would make transportation to and from low Earth orbit easier."

To build hypersonic planes, scientists must understand how airflow works at five or 10 times the speed of sound. And that remains a bit of an enigma, save for the so-called Morkovin's hypothesis. It postulates that when air moves at Mach 5 or Mach 6, the turbulence behavior doesn't change all that much from slower speeds (those below or close to the speed of sound). Although air density and temperature change more in faster flows, the basic "choppy" motion of turbulence stays mostly the same, the hypothesis goes. "Basically, the Morkovin's hypothesis means that the way the turbulent air moves at low and high speeds isn't that different," says Parziale.

Yet no one has been able to provide sufficient experimental evidence to support Morkovin's hypothesis — until now. Parziale's new study, published in *Nature Communications*, brings us one step closer to hypersonic flight.



Here's how he did it:



1. CREATE A LINE OF KRYPTON ATOMS

Parziale devised a clever setup (which took him 11 years to perfect) that ultimately uses lasers to ionize a gas called krypton that is seeded into the air flowing inside a wind tunnel. That temporarily makes krypton atoms form an initially straight, glowing line.

2. TAKE ULTRA HIGH-RESOLUTION PHOTOS

Then he used ultra high-resolution cameras to take pictures of how that fluorescent krypton line moves, bends and twists through the wind tunnel's air. "As that line moves with the gas, you can see crinkles and structure in the flow, and from that, we can learn a lot about turbulence," says Parziale. "What we found was that at Mach 6, the turbulence behavior is pretty close to that at much lower speeds."

3. CONFIRM THROUGH MEASUREMENT

Parziale utilized an optical measurement technique (laser differential interferometry) to detect very small, fast changes in density to provide confidence that the observed turbulence statistics genuinely represented hypersonic conditions.

By providing experimental support for Morkovin's hypothesis, Parziale's study suggests that planes don't need an entirely new design to fly at hypersonic speeds. And that simplifies things.

"Today, we must use computers to design an airplane, and the computational resources to design a plane that will fly at Mach 6 — simulating all the tiny, fine little details — would be impossible," says Parziale. "The Morkovin's hypothesis allows us to make simplifying assumptions so that the computational demands to design hypersonic vehicles can become more doable."

LEARN MORE

Stevens.edu/Hypersonic

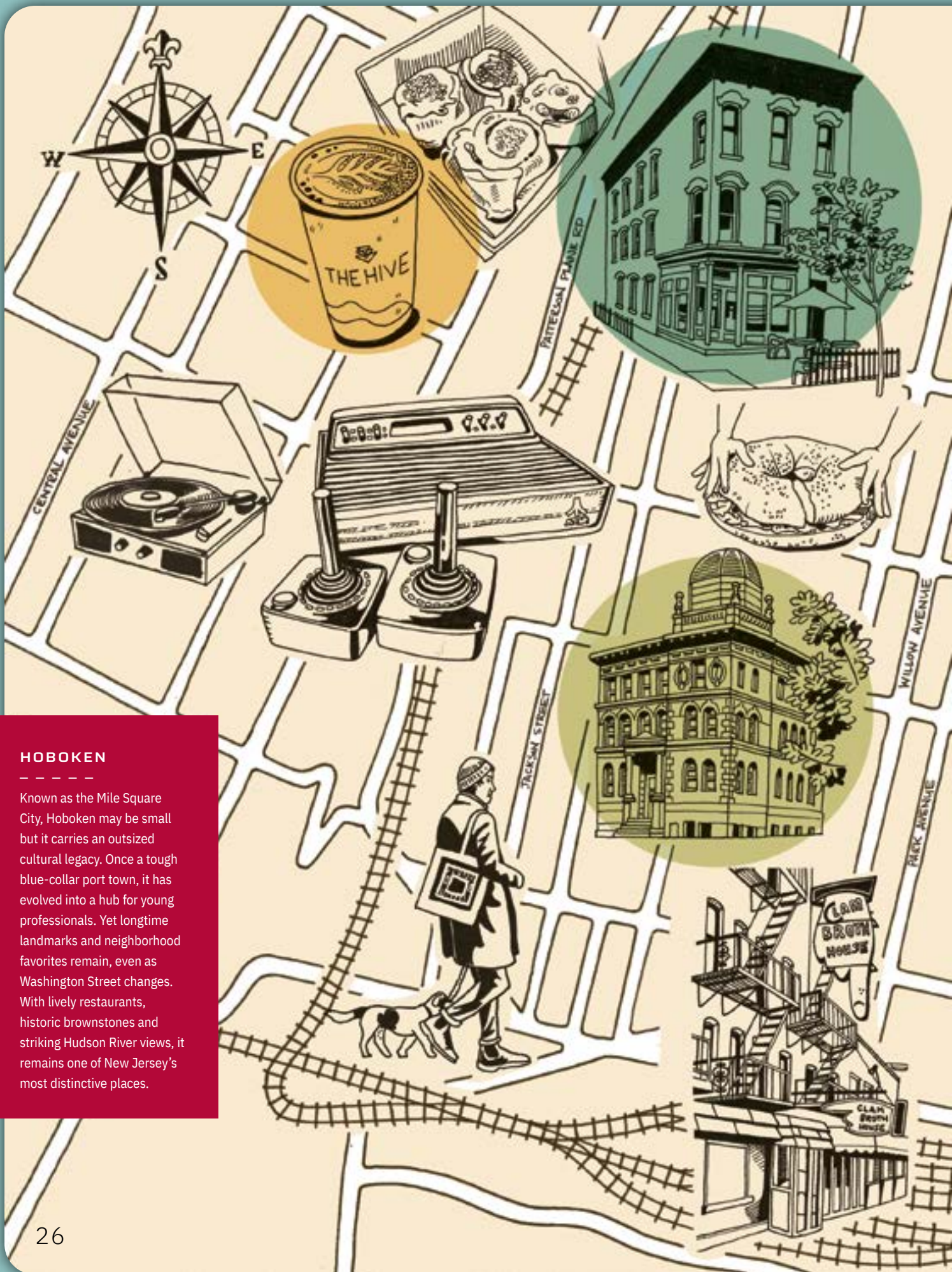
SPEED OF SOUND

Mach number tells **how many times faster than sound** an object is moving. It's a dimensionless ratio used in aerodynamics and high-speed physics.

MACH 1 = exactly the speed of sound

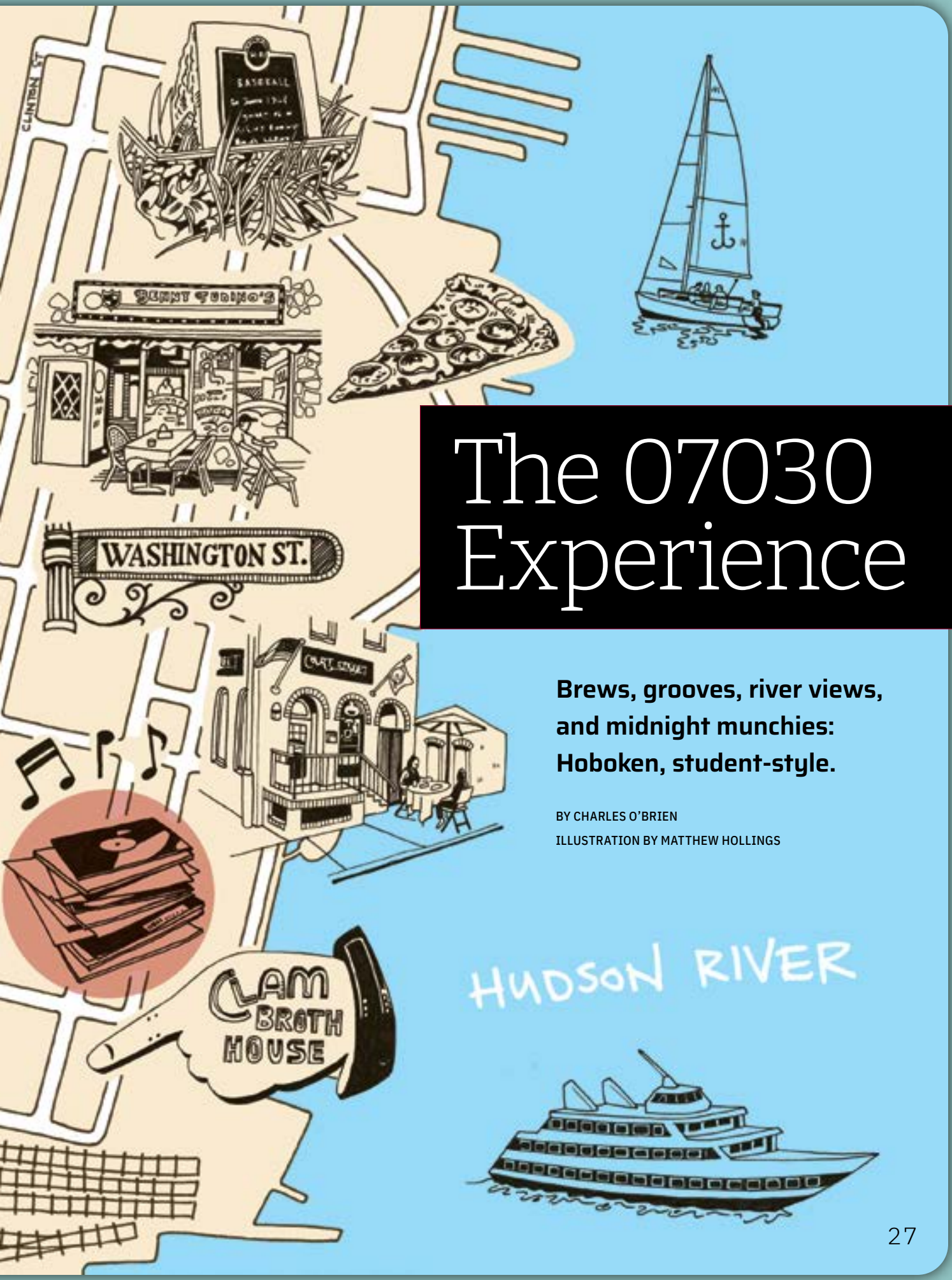
SPEED OF SOUND ≈ 767 mph (1,235 km/h)

HYPERSONIC: Mach > 5



HOBOKEN

Known as the Mile Square City, Hoboken may be small but it carries an outsized cultural legacy. Once a tough blue-collar port town, it has evolved into a hub for young professionals. Yet longtime landmarks and neighborhood favorites remain, even as Washington Street changes. With lively restaurants, historic brownstones and striking Hudson River views, it remains one of New Jersey's most distinctive places.



The 07030 Experience

Brews, grooves, river views, and midnight munchies: Hoboken, student-style.

BY CHARLES O'BRIEN

ILLUSTRATION BY MATTHEW HOLLINGS

For Stevens students, life extends well beyond campus. From morning coffee runs and waterfront walks to favorite neighborhood hangouts, Hoboken helps shape the rhythms of university life. Some of these places remain today, while others live mostly in memory — but together they tell the story of the Stevens experience in the Mile Square City.

THE HIVE
1000 PARK AVENUE

At The Hive, the anticipation starts before the first bite. Each month's new cinnamon roll flavor spreads quickly among friends, turning a simple bakery stop into a bonding experience and a weekly ritual as students plan Saturday trips for the latest "Cinny." It's not unusual to find students and locals waiting outside in a long line, even in the cold, to be part of Hoboken's growing cinnamon-roll craze. Part neighborhood bakery, part gathering place, The Hive has become one of those Hoboken spots where a quick stop for something sweet often leads to running into friends.

TUNES
315 WASHINGTON STREET

For Stevens students who love music, Tunes is a Hoboken institution. The city's only independent record store once doubled as the place to buy tickets for shows at the legendary Maxwell's farther down Washington. Today, students and longtime collectors still flip through the crates side by side, searching for hidden gems — keeping Hoboken's music culture alive one record at a time.

Waterfront photo: Jeff Vock; Tunes photo: Tunes; Cinnamon Bun photo: The Hive; Library photo: Gift of Paul Veeder, Hoboken Historical Museum; Clam Broth House photo: *The Link*; SS Stevens photo: Archives & Special Collections, S.C. Williams Library

HOBOKEN LIBRARY
500 PARK AVENUE

Few places connect Stevens to Hoboken's history quite like the Hoboken Public Library. A short walk from campus, the library dates back to the 1890s, making it the third-oldest library in New Jersey. The land was donated by Martha Bayard Stevens, tying its story to the university's own history. Today, it's much more than shelves of books: visitors can borrow vintage Atari consoles, record players and tools, while archives preserve thousands of historic photos and a Frank Sinatra collection.

THE CLAM BROTH HOUSE
36-42 NEWARK STREET

1899-2010

Generations of Stevens students once sat elbow to elbow with longshoremen, celebrities, families and assorted colorful characters at this lively bar-restaurant. Known for sawdust and shell-covered floors, free hot clam broth and old-world ambience, the Newark Street landmark opened in 1899. Phil Kimball '62 recalls 65-cent roast beef sandwiches, 15-cent beer, shuffleboard — and an unbeatable camaraderie with Stevens friends. This landmark closed forever in 2010, but its iconic sign remains.

WATERFRONT

Few places capture the Stevens experience quite like the Hoboken waterfront. Offering stunning views of the Hudson River and Manhattan skyline, it's a favorite place for students to walk, think or simply take in the city across the water. With quiet benches, piers and parks along Sinatra Drive, the waterfront has long been part of campus life, once even home to the floating dormitory, the SS Stevens. As Aashutosh Santosh Kumar '26 says, "It always gives me a fresh perspective and clarity."

CLOSED

THE CHATTERBOX
64-66 SIXTH STREET

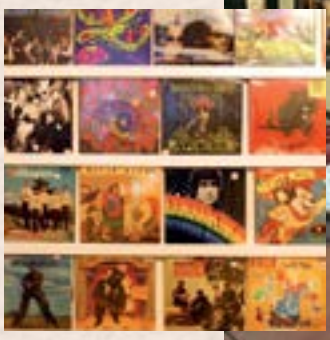
This "dive bar," as Al Foytlin '68 puts it, consisted of round tables, an oldies jukebox and, crucially, $1.50 pitchers of beer. The owner didn't blink when Foytlin slipped out to a nearby pizza joint and brought back a pie, so long as the beer kept flowing. Foytlin and friends once tried another bar, packed with men in sharkskin suits. When one showed his gun holster and told them to get back to Stevens, The Chatterbox became their mainstay.

BAGELS

In Hoboken, mornings often start with a bagel, and sometimes a line to order one. Bagels on the Hudson, open 24 hours, is a reliable stop for late-night cravings or early classes, while O'Bagel draws students for stacked breakfast sandwiches and a little people-watching. For some Stevens students, it's also a post-exam tradition. "We'd descend on O'Bagel after an exam…those sandwiches helped soothe the anxiety we all felt," Trevor Kliem '24 recalls. Wherever students grab it, a bacon, egg and cheese on a toasted bagel remains a Stevens staple.

REVIVAL VINTAGE
86 PARK AVENUE

For students who enjoy the thrill of a good thrift find, Revival Vintage Boutique offers a different kind of Hoboken discovery. The shop's curated racks reward patience and a sharp eye. For Jessica Piloto '26, it's become more than a place to browse: Her Senior Design project brought her behind the scenes, turning vintage fashion into a hands-on lesson in entrepreneurship.



Chatterbox photo: *The Link*; Bagel photo: O'Bagel; Revival Vintage photos: Revival Vintage; Backstage photo: Backstage Lounge; Maxwell's photo: Hoboken Historical Museum; Rathskeller photo: Archives & Special Collections, S.C. Williams Library

BACKSTAGE LOUNGE & MAXWELL'S
1039 WASHINGTON STREET

For Stevens students seeking live music or a midweek date night, Backstage Lounge comes with built-in Hoboken music history. The venue occupies the space once home to Maxwell's, the legendary rock club where future stars, including Nirvana and R.E.M., played early gigs. Today, Wednesday night live performances bring students and Hobokenites together near the stage, bridging eras as a new generation keeps the back room's musical tradition alive.

1970s-1990s

RATHSKELLER
1 CASTLE POINT TERRACE
IN THE WESLEY J. HOWE CENTER

Long before today's campus dining spots, Stevens students gathered at the Rathskeller in the Howe Center, better known simply as "The Rat." Like many college rathskellers of the era, it served as the university's campus pub from the 1970s until officially closing in the 1990s, leaving behind one of Stevens' more memorable pieces of campus lore. The Rat had shared a space with Colonel John's, a grab-and-go food service.

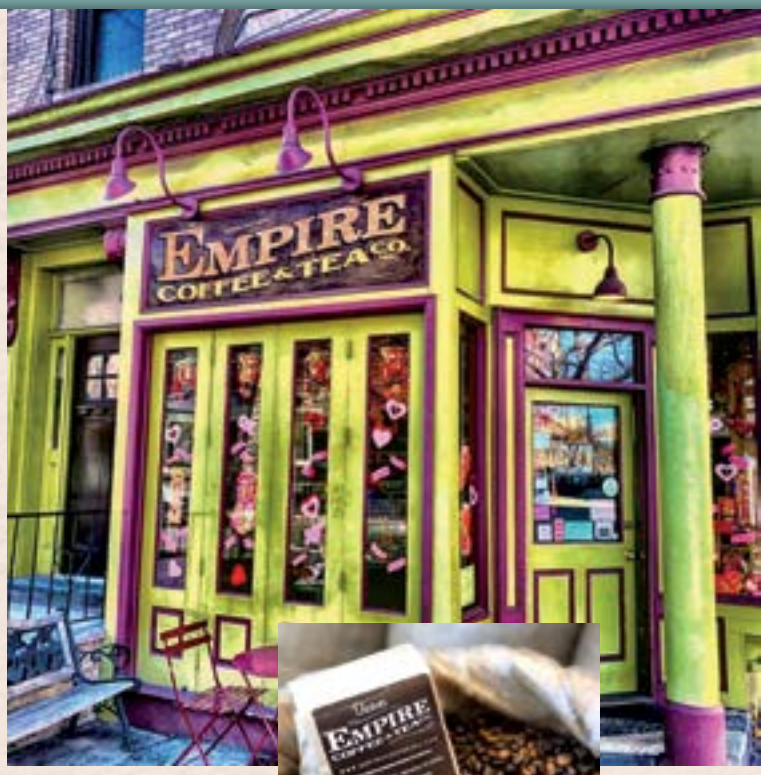
MAXWELL PLACE PARK

At Maxwell Place Park, multi-million-dollar New York views rise where the Maxwell House Coffee plant once filled the city with its signature aroma until closing in 1992. For Abby Thomas '26, a sunrise there with friends marked the first day of senior year. "This memory will stay with [us] forever, as it serves as a reminder that the sun always rises again and again," she says.

EMPIRE COFFEE & TEA COMPANY

338 BLOOMFIELD STREET

In a city full of coffee shops, Empire Coffee has risen to the top for many Stevens students. Known for its welcoming ambiance, friendly service and wide selection of drinks, it's a favorite place to start the day before class or ease into a weekend morning. Whether catching up with friends or grabbing a quick cup to go, Empire has become part of the Stevens routine.



VITO & SON'S DELI

806 WASHINGTON STREET, UNIT A

In Hoboken, fresh mutz is practically a point of civic pride; there's even an annual Mutz Fest to celebrate it. At Vito's, that tradition meets Stevens spirit. A neighborhood deli favorite, the shop has become so tied to campus life that it even features the famous Stevens Duck sandwich on the menu, making it a must-stop for students craving a classic Hoboken bite between classes. Want another taste of old-time Hoboken mutz? Check out the 113-year-old Fiore's!

Empire photos: Empire Coffee & Tea Company; Sub photo: Vito & Son's Deli; Hand-colored lithograph: The American National Game of Base Ball: Grand Match for the Championship at the Elysian Fields, Hoboken, N. J., Currier & Ives, 1866; Helmers' photo: Pam Zirpoli; Court Street photos: Court Street

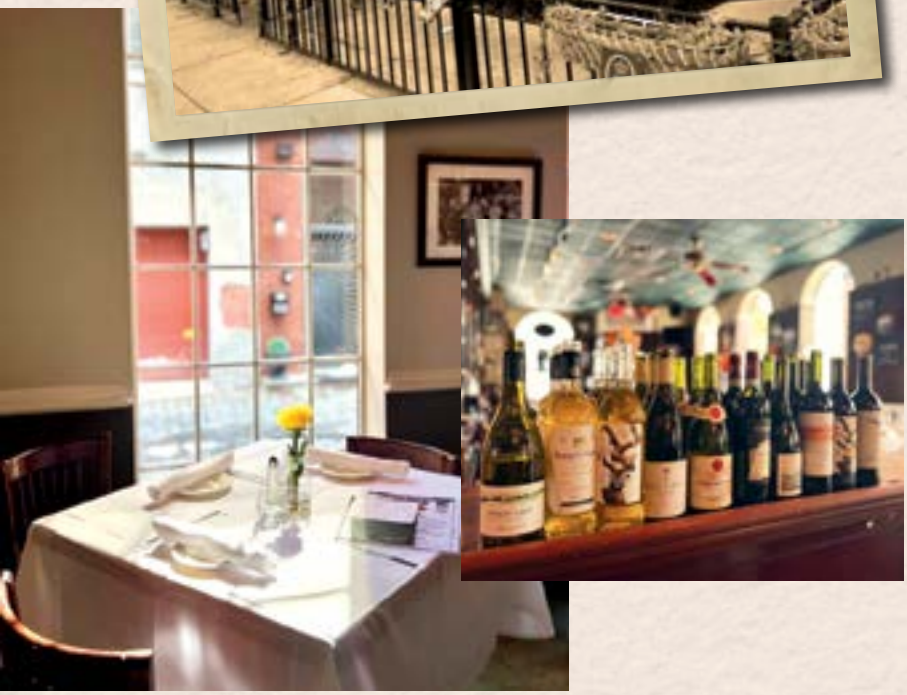
ELYSIAN PARK

Hoboken's green spaces hold layers of stories and history. Elysian Park traces its roots to Elysian Fields, site of the first organized U.S. baseball game in 1846. Students Evie Tsien '27 and Ian Kane '26 often return to a quiet bench there — people-watching, drinking coffee, talking for hours.

1936–2014

HELMERS' RESTAURANT
1036 WASHINGTON STREET

With high-backed wooden booths, beer steins and Art Deco decor reminiscent of a luxury ocean liner, Helmers' Restaurant offered a taste of Hoboken's earlier days as a German enclave. Founded in 1936 by German immigrants, the family-owned restaurant served classics such as bratwurst and wiener schnitzel until closing in 2014. At age 97, Charles Wetter '51 still remembers the experience fondly: "It served excellent traditional German food — all to my liking. I recall the sauerbraten and the dozen beer taps."



COURT STREET RESTAURANT
61 6TH STREET

Tucked along Hoboken's narrow cobblestone Court Street, laid out by Colonel John Stevens in 1804, Court Street Restaurant has long been a favorite for Stevens faculty diners and celebrations. Students know it as the kind of place to suggest when parents are in town — and are picking up the check! Once dubbed Hoboken's most romantic restaurant, it still carries plenty of old-school charm, paired with an award-winning wine list. Inside, black-and-white Stevens campus photos line the walls, and the menu even includes a cocktail named for legendary fencing coach Linda Vollkommer-Lynch.

PIZZA

Benny's or Gio's? When it comes to pizza, Stevens people are a passionate, opinionated bunch. Since 1968, Benny Tudino's — with its monster slices stretching across two paper plates and extra-cheesy top — has drawn admirers ranging from then-Vice President Joe Biden and Adam Sandler wolfing down slices to John Mattessich '82 and classmates celebrating their 40th reunion there. H&S Giovanni's — with smaller but tasty slices, proximity to campus and welcoming staff — became a favorite for student-athletes, families and anyone in need of a quick slice between classes. Many mourned its closing last year, after 23 years. As for today's students? Mario's? Napoli's? Tenth Street Pizza? The debate — and pizza devotion — never ends.

Alumni

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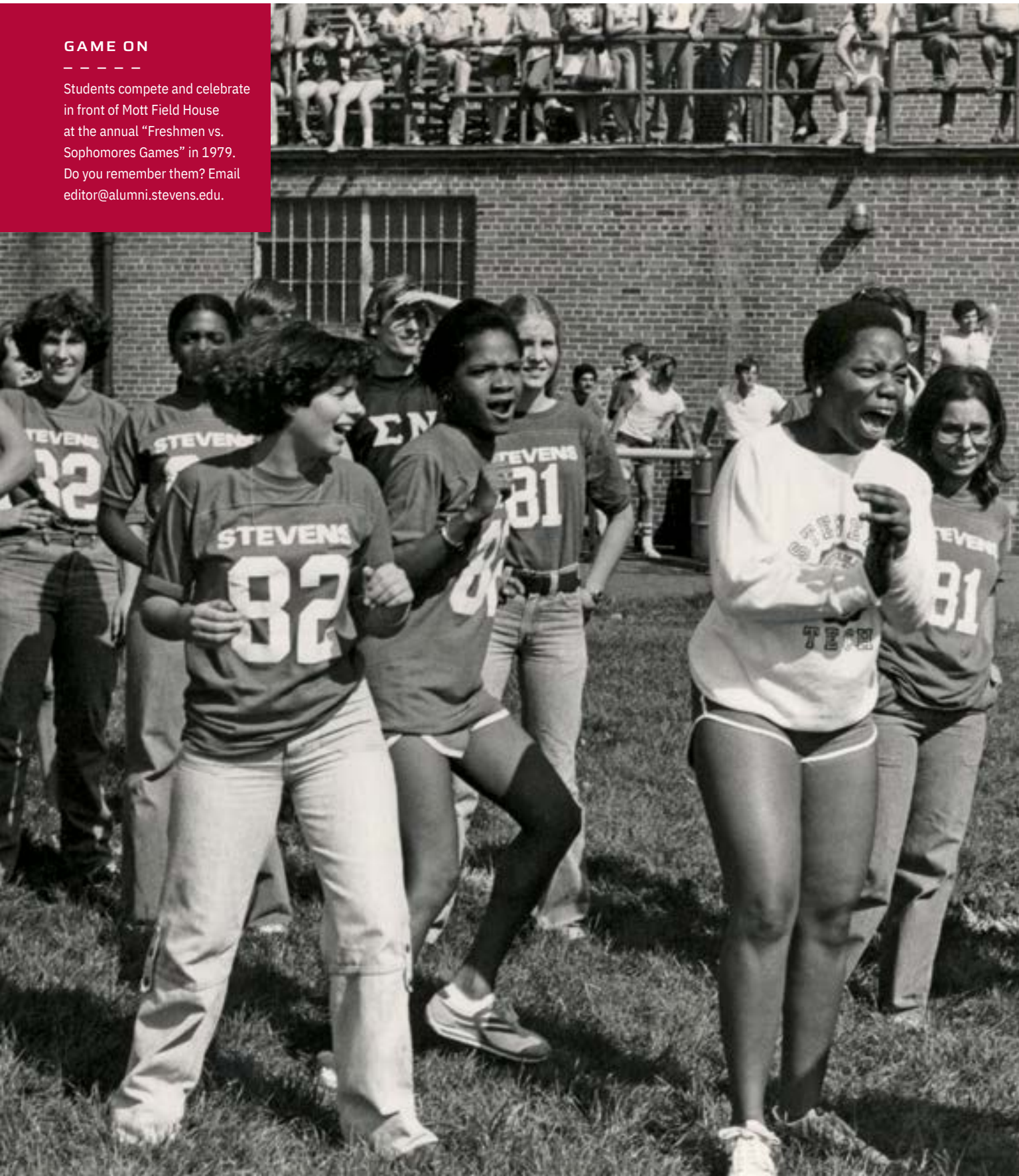
GAME ON

Students compete and celebrate in front of Mott Field House at the annual "Freshmen vs. Sophomores Games" in 1979. Do you remember them? Email editor@alumni.stevens.edu.



SAA150

Photo: Stevens Archives & Special Collections, S.C. Williams Library; Portrait: Barry Falls

CELEBRATING 150 YEARS OF THE STEVENS ALUMNI ASSOCIATION

Dear Fellow Alumni,

This year, we proudly celebrate the 150th anniversary of the Stevens Alumni Association (SAA). Since its founding, the SAA has brought generations of alumni together, fostering community, collaboration and lifelong connections to Stevens.

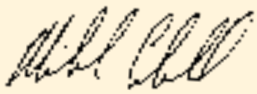
On July 1, 1876, 25 newly graduated mechanical engineers gathered to form the SAA. From that small group, we have grown into a global community of nearly 60,000 alumni. While much has changed since that first meeting, our purpose has remained constant: to cultivate connection, support one another and remain part of something larger than ourselves.

For 150 years, our alumni network has helped propel Stevens forward. Each generation defines what it means to be a Stevens engineer, scientist, business leader or creative professional. In doing so, we carry forward the spirit of Stevens in ways that reflect both our individual paths and shared foundation.

As SAA president, I believe engagement should feel authentic and meaningful. Connection can take many forms, from volunteering and mentoring to philanthropy, events or simply reaching out to a fellow graduate. The SAA continues to expand opportunities for involvement so that every member of our community can stay connected in ways that feel personal and purposeful.

I'm truly inspired by the level of commitment Stevens alumni bring to giving back and paying it forward. Whether supporting scholarships, advancing research, opening doors for the next generation or representing Stevens around the world, our alumni strengthen the university year after year.

As we honor this milestone, I am reminded that the strength of the SAA lies in its people. Together, we celebrate our past and look ahead with confidence to the next 150 years.



Michael Cahill '15 M.Eng. '15
President, Stevens Alumni Association
SAAPresident@alumni.stevens.edu

CONNECT
with your network at
Stevens.edu/StevensConnects

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

Below: Charles Wetter '51's senior portrait in *The Link* yearbook. "His constant laugh ability, along with his willingness to pitch in and help, have made Charlie an asset to every activity he has joined," according to *The Link* editors.

Above: Charles Wetter, back row, far right, gathers with fellow members of the Stevens Band, for The 1949 *Link*. He played clarinet. The Sigma Nu fraternity brother was also active with the American Society of Mechanical Engineers and *The Stute*. Read more from Wetter — as his class marks its 75th anniversary this spring — in the '51 log.

Class Logs

1951

Feb. 5, 2026 — This is the log that I have been looking forward to writing since it commemorates our 75th Anniversary. For this I raise a toast to our surviving classmates, all in our upper nineties or perhaps centenarians. (I'll be one next year.)

Our graduation ceremony took place in the Walker Gymnasium back in the days when classes of brand-new Mechanical Engineers were much smaller, male and not racially diverse by today's standards. Our Class of 1951 consisted of two sections, February and June, and numbered only about 330 vs. over 1,100 in the last entering class. Graduation music was provided by our own Stevens Band in which I played the clarinet. My uncle, a talented musician, augmented our band with his saxophone, so it all sounded commendable.

Today, to me, Walker Gym bears little resemblance to when it was constructed in 1915 or when it hosted our graduation 75 years ago. The last issue of the *Indicator* reported that its recent restoration received national award-winning recognition.

Hopefully, we have at least an estimated 20 or 25 surviving classmates all hiding out there in the hinterlands. Many undeliverable e-mails and non-working telephone numbers make contacts difficult.

However, **Robert Lewe** in Charleston, South Carolina, reports that retirement is going well, even with vision issues. A widower since 2015, Bob is living with his son Bob Jr. Following graduation, he began his career with U.S. Steel, then with U.S. Pipe and Foundry until founding his own company, Campbell-Lewe. At Stevens, Bob enjoyed both the Yacht and Gym Clubs. He roomed in Castle Stevens during his freshman year before relocating to the Chi Phi fraternity house. This makes him a minority with first-hand memories of the Castle which was demolished in 1959. Who remembers the cantilevered staircase?

Just a reminder — my phone and email are always available.

— Charles Wetter
817-348-0509
charleswetter@yahoo.com

1953

February 18, 2026 — Mary **Mook** shared this update: "Dear ones, sending this note unto you has been a 'long time coming' as you can see. **Walter Raymond Mook III**, son of **Walter Raymond Mook II**, also a Stevens graduate and star tennis player, passed away on Nov. 15, 2024. Walter was quite a talker and storyteller his entire life. When we married in 2007, he was 75 years old! I heard 18 years of his fond memories of Stevens, the frat house of Theta Xi where he was the bartender, and his noteworthy professors and classmates after his graduation.

"We would each pour over the *Indicator* page by page when it arrived here, and more of his stories were told. Since we were both retired, I had lots of time to listen.

"He was alert, curious and very active in our community until the last three weeks of his life. We were totally blessed.

"With fond memories he shared, Mary Mook."

— The *Stevens Indicator*
alumni-log@stevens.edu

1954

January 2026 — Hi....I would like to hear from **Ted Martines** and **Harold Mooz** as to what's going on with their lives and from any other classmates still able to send me an e-mail for the next *Indicator*. *(Editor's Note: Sadly, Mr. Martines passed away on Jan. 25, 2026.)*

I had a nice federal employees trip to Niagara Falls this past September. We stayed on the Canadian side, and it's by far the best way to see them. The Canadians were very friendly to us, and I did not hear any adverse comments about our U.S./Canada relations. The trip and weather were just great. I spent the holidays up north in New Jersey and Pennsylvania with my sons' families and enjoyed the stay in spite of the cold weather every day.

That's about it for now. Drop me an email, as I would love to hear from any of you that can still get around and write!

— George Hromnak
ghromnak@brighthouse.com

1960

Feb. 1, 2026 — **Douglas Schwartz** shared this update: Good day. It seems that only three 1960 fellow graduates signed up for the 65th reunion last year. Where are the other classmates? Not all live too far away to attend. Please respond to at least let us know that you are still with us.

— The *Stevens Indicator*
alumni-log@stevens.edu

1961

Jan. 13, 2026 — Greetings from unreasonably warm Dallas!

My "pack rat" behavior of not discarding old emails led me to have 70K email units recently. When I started to discard material going back to 2005, I found a response from **Richard Eppel** dated October 2019 to a mass mailing soliciting inputs for our class log. Revisiting Richard with some gentle persuasion led to the following.

"After graduating from Stevens, I began my engineering career at Sperry Gyroscope, where I installed and calibrated inertial navigation systems on atomic submarines. My first assignment was on Skipjack, located in Portsmouth, New Hampshire. What a kick to go on sea trials as a civilian. This is where I met my first wife, Carol. We got married on March 16, 1963.

"After moving to Sperry's headquarters, I began studying control systems, electronic design and programming. My goal was to be a design engineer. After several months, I realized I was swimming against the current. I asked myself. 'How can I earn a living knowing a little about everything, but nothing in particular about anything?' In other words, all breadth and no depth. I decided to become a systems engineer. I found such a job with Howard Research in Arlington, Virginia, in 1965. It involved developing and managing the navigation testing processes for Polaris-type submarine training at Pearl Harbor. I was now swimming downstream and loving it.

"Luckily, Howard Research was acquired by Control Data. My first project after the acquisition was to work with a proposal team to bid on an experimental mobile command-and-control system for the Army.

Gathering at the 2025 Stevens Commencement, from left: Paul Stadelmann '94 M.Eng. '97 and his wife, Dorothy Schultheiss Stadelmann '94 M.Eng. '96; Henry Stadelmann '60; President Nariman Farvardin; Robert Stadelmann '87 and his daughter, Abigail Stadelmann '25.

THREE GENERATIONS, ONE UNIVERSITY

Two Stadelmanns donned graduation regalia at Stevens' 153rd Commencement Ceremonies last spring. Abigail Stadelmann '25 earned her bachelor's in mechanical engineering, while grandfather Henry "Hank" Stadelmann '60, marching with the Old Guard alumni, recalled his graduation 65 years earlier, and felt grateful.

"We're lucky," he says.

Abigail is the third generation of Stadelmanns to graduate from Stevens, joining her grandfather; dad Robert Stadelmann '87; uncle, Paul Stadelmann '94 M.Eng. '97; and aunt, Dorothy Schultheiss Stadelmann '94 M.Eng. '96. All have enjoyed successful careers, Hank says.

"To have three generations do so well — that's what impressed me, that Stevens was able to bring that about," he says.

Hank Stadelmann, a son of German immigrants who left after World War I for the Bronx, New York, was the first in his family to attend college. At Stevens — where he met wife Suzanne, a nursing student, at a Delta Tau Delta dance — he blossomed.

"It grew me as a person, socially and academically," he says.

Hank joined the Bendix Corporation, later Allied Signal, as an electrical design engineer, where he designed and manufactured support equipment for commercial and military aircraft before rising to director of contracts.

Robert is self-employed, specializing in business and technology transformations within global life sciences and consulting with pharmaceutical companies.

Paul is quality executive director for Commercial Engine and Services at GE Aerospace, where he leads the global GE Aerospace team in quality policy, assurance and excellence for operations. Dorothy worked with Merck, on plant and global quality, and raised two children with Paul.

Then there's Abigail, now a Lockheed Martin systems engineer.

"She's CEO material," her grandfather says. "Abigail is certainly someone special."

"Watching my daughter pick up her diploma where my father and I once stood is the ultimate full-circle moment," Robert adds. "Three generations, one university and endless pride."

— Beth Kissinger

Janice and Richard Eppel '61, at center, with their family. Richard shares memories of his professional career and family in the '61 log.

We won the contract, which then took me to Germany in 1963 for 18 months, where I oversaw the installation and developed the communication protocol between the central computer and four remote computers.

"While the initial contract called for a two-month assignment, there was a possibility of receiving a contract extension. On that possibility, in October 1966, I sold our car, moved our furniture to Germany, and signed a year's lease on a German apartment. It paid off. My first child, Susan, was born in an Army hospital in 1967.

"After returning to Virginia, I decided to move to Control Data's headquarters in Minneapolis, where I worked as a special projects manager. In 1970, I became a product line planner for new product development and subsequently served as director of engineering for their large mainframe developments, peripheral controllers and special products.

"While in Minneapolis, our first son, Steven, was born in 1969. Unfortunately, while Carol and I are still friends today, we were unable to make our marriage work, which ultimately led to our divorce in 1975.

"After serving five years as director of engineering, I was promoted to general manager of their communications division in Anaheim, California, a business unit in need of a turnaround.

"During my time in California, I met Janice. On our second date, I asked for an exclusive relationship, and we got married 18 months later, in 1980, after we moved to Minneapolis. This year is our 45th wedding anniversary.

"Two years later, I was promoted to general manager of their development division, a role I happily accepted, unaware of a transformation that had occurred in the past two years. I left engineering and turned around a failing business unit. It turned out that I missed the excitement of running a business. I decided that I wanted to spend the rest of my career running businesses. To me, it's the best game in town, second only to politics.

"After 16 years at Control Data, I moved to Palo Alto to serve as the VP of engineering at Trilogy, a computer startup conceived by Gene Amdahl. Trilogy raised a great deal of money for an idea that ultimately failed.

"While working in Palo Alto, California, my son, Erik, was born, followed two years later by my daughter, Collyn. From 1989 to 2001, I turned two companies around and subsequently learned to raise money through a visionary CEO approach. In 2001, I founded Strategic Momentum, a business consulting company. To this day, Strategic Momentum remains in the business of creating a unique environment that enables executives to dramatically improve revenue and profitability.

"I live in Escondido with Janice. We are blessed with a large family, including six grandchildren, whom we can enjoy and spoil.

"Aside from my formal education, I became a licensed M&A professional with advanced training in leadership and organizational transformation. I served as chair of the American Electronics Association (San Diego) and a director at the World Trade Center San Diego."

Editor's Note: The Indicator *staff was saddened to learn of the passing of longtime Stevens math professor Peter Brady '61 M.S. '63 on Jan. 22, 2025. A tribute will appear in a future issue.*

— Jay Wartell
letraw@yahoo.com

1962

Feb. 16, 2026 — Sadly, we've lost another classmate. **Steven Shulman** passed away at the age of 84 surrounded by family at his home in Los Angeles. Steve leaves behind a legacy of leadership, entrepreneurship and philanthropy, and he will be remembered for his humor, loyalty, generosity and the joy he took in gathering people together. He was born and raised in the Bronx, New York, and would reminisce about the small town feel that his neighborhood had at the time.

After graduating from Stevens (B.S. '62 M.S. '63 Hon. D.Eng. '02), Steve built an extraordinary career. He began at Burnham & Co., then joined Wheelabrator-Frye and later the Signal Companies, where he led some of the most innovative corporate deal making of the 1980s. In 1984, he founded The Hampton Group, becoming an investor, advisor and board member to companies across the United States in industries ranging from manufacturing and

aerospace to food supply, real estate and medical technology.

He was the devoted father of three sons and one daughter, and the proud grandfather of eight grandchildren, a role he treasured above all others.

Steven Shulman's life was defined by leadership, integrity, humor, generosity and an unwavering belief in being active in one's community. His legacy endures in the institutions he strengthened, the people he mentored, the communities he supported, and, most importantly, the family he loved.

Lou Capuano, vice president of the class, offered the following. "Remembering back to our senior trip, I don't recollect much about the Phoebe Snow Train Trip to the Midwest manufacturing areas, but I do remember at the time it was a big deal being able to drink low-alcohol beer in Cleveland, Ohio, that was near 2.8%, and I think at the lower drinking age was 18 rather than 21 in New Jersey. Now 64 years later, following a hospital stay in January for several conditions, Carla, my doctor and I agreed our planned Viking Cruise down the Mississippi in February, starting in Memphis to New Orleans, was a go. We had talked about doing this for some time, and I had bought two books to read for fun on the Mississippi during our no-activity time, *Tom Sawyer* and *James*. Before we departed, my A-fib medication dosage was increased from the previous hospital stay. After connecting air flights to Memphis, we boarded our Viking ship the next morning. I awoke the following day feeling terrible and hardly able to stand up. We went directly to a local hospital where the doctor indicated my A-fib medication dosage was too high. So much for our Viking Cruise! We were able to get a return flight after treatment at the hospital."

Lou also reported that our efforts to encourage classmates to join StevensConnects have resulted in a total of 10 classmates, or about 10 percent of the class, with more pledged to join soon. They include **Blahut**, **Capuano**, **Citarella**, **Leichus**, **Lerman**, **Kimball**, **Kurzik**, **Perrotta**, **Singlevich** and **Zupko**, who are enjoying the benefits of access to class-related historical information, the latest expanded class log and timely announcements of class activities.

John Zupko, class fund captain, added, "Greeting classmates, welcome to a new year. I'm sure you recognize all the marvelous accomplishments at Stevens through all the various publications. As an alumnus, I'm sure you want to engage in powering education and innovation at Stevens. One way to accomplish this is by making your gift online by using www.stevens.edu/makeagift, by phone, or by mail. I find the quickest and easiest method is by phone, and I encourage you to designate your gift to the Class of 1962 Endowed Scholarship Fund." John also responded to the posting of a photo of the Wade Park Manor Hotel coaster that I sent to a number of classmates, saying, "It does bring back memories of those hectic train rides to and from the Hudson Terminal as well as shuffling bags every day in an attempt to meet train schedules that were a pain, to say the least!"

Lastly, I heard from **Jim Canfield** who, in December, flew with his wife, Carolyn, to Argentina to join an 18-day cruise to Antarctica. Upon boarding they met **Ken Sullivan '71** and his wife, Nancy. Ken prepared an article about their trip for his class log, and you can go to the class of 1971's log to read all about it!

— Phil Kimball
Pbkim25@gmail.com

1963

February 2026 — We lost two wonderful classmates recently, **Roger Steiner** and longtime Stevens Alumni Association stalwart **Tom Bentey**. We remember them fondly in this log, and we will miss them. Our deepest sympathy to their family and friends.

I received the sad news from **John Zajac** that Roger had passed away. He was John's roommate; his obituary appears below, followed by Tom's.

Roger Steiner
Roger Steiner passed away on Oct 22, 2025. In June of 1963, he married his wife, Diane. They lived in Chicago and grew their family in Delaware and New Hampshire before settling in New Jersey. There, Roger and Diane took over management of Diane's family business, Klammer's Poultry Farm in North Haledon and Wayne, New Jersey.

Roger later continued his professional career as a mechanical engineer with Hofer's Mechanical Oven and Excalibur. After retiring, he moved to Coudersport, Pennsylvania, to live with his daughter Terri and her husband Tony.

Roger loved the annual extended family vacations to Long Beach Island, New Jersey, where countless cherished memories were made. He and Diane also shared a passion for travel, especially to tropical destinations, the Dominican Republic being among their favorites.

Roger was predeceased by his beloved wife Diane and is survived by their children Terri, Jeff, and Kevin Steiner; his brother Jon; six grandchildren; and one great-grandchild.

Tom Bentey
Tom Bentey, a longtime Stevens Alumni Association leader who devoted decades of service to his fellow alumni and alma mater, passed away on April 13, 2025.

Tom was president of Atlantic Computer Services, before retiring. Previously, he was president of American Building Services; president of the ISS International Service Systems; and president of Aero-Lift, Inc.

He served as treasurer of the Stevens Alumni Association for more than 30 years, led and volunteered with numerous SAA committees and was a longtime member of the Stevens Metropolitan Club. For his dedicated service to his fellow alumni and alma mater, he received the Stevens Alumni Award and the Harold R. Fee '20 Alumni Achievement Award.

Tom came from a Stevens legacy family which included his father Thomas J. Bentey '33 and his brothers Joseph '60 and Peter '70.

He is survived by his brother, Peter, as well as additional beloved relatives and friends.

— Neville Sachs
nevsachseng@gmail.com

1964

Feb. 15, 2025 — Dear Class of '64: I hope you survived the winter of 2026. It has hit us hard here in the Northeast with low temperatures, high winds and below zero wind chills. By the time you get the *Indicator*, it will be almost time for Alumni Day.

Top: Tom Bentey '63, a Stevens Alumni Award winner who devoted decades of service to the Stevens Alumni Association, died in April 2025. An obituary appears in the '63 log.

Above: Tom Moschello '63 attended a recent Stevens event with his grandson Michael Moschello '27. Tom is a past Stevens Alumni Association president and Stevens trustee, and Michael is an SAA student leader representative and Stevens Student Government Association leader.

"I just need 30 more good years. I keep thinking about when we were at Stevens, we thought reaching 80 meant 'one foot in the grave.' Well, I don't feel that at all and think 80 is the new 60. My secret? I just keep believing my driver's license is a misprint!"
Craig Marshall '64

In the interim I heard from **Rich Unger** who writes: "Happy New Year, Harley. **Bob Cavalleri**'s letter from the last issue was one of the very best. So, I felt the need to write to let others know that I, too, am still alive. I enjoyed reading his message with his work history and his mention of **Karlis Cikste**, who is a fraternity brother I lost complete contact with very soon after graduation in 1964.

"Unfortunately, after an amicable undergraduate experience Bob and I lost contact. Then one day years later I was reading an electronics magazine crediting his name and company with a research project that interested me for the aerospace project I was responsible for. I called him and, after a long conversation, he agreed to extend a planned trip to Boston in order to visit Vermont where I lived and still reside in the summer months. Skipping again about 20 years, Bob and I again made contact when we realized we were both living in Florida. After a few phone calls, we agreed to meet in a Costco store midway between where he resides in Orlando and I reside in Englewood. In order that he recognized me in a crowded Costco store, I wore my old Stevens tee shirt.

"Another very close graduate and fraternity brother that my wife Barbara and I meet with regularly is **David Rose** and his wife, Gail, who also now reside in Florida living about 10 miles from Englewood. David and I are the only Stevens graduates that have maintained steady contact since graduation.

"Finally, let me also underscore Bob's communication in the last issue recognizing and thanking Harley as the unsung hero for the work maintaining this class log for us."

Received from **Len Miller**: "Hi Harley, As a follow-up to my Dec. 8, 2024, email to you, following is a submission for a future class log in the *Indicator*:

"I am well and living in Manhattan. Having accumulated a lot of still useful professional and academic experience and knowledge over the last 60 years in energy, finance, etc., and with the feeling that it is never too late to make an impact, I have been involved as a 'visiting researcher' for nearly five years with Stevens in the area of climate change. In August 2021, Stevens Professor Philip Orton and I published a technical paper in a respected journal on a method of reducing the accumulation of carbon dioxide in the atmosphere. In March of this year, Stevens philosophy professor Greg Morgan and I published a paper on the social-political aspects of the climate change problem. Classmate **Rich Cundari** has been a catalyst and has had an involvement with these efforts.

"An objective of our efforts has been to boost Stevens credentials as an institution where climate change is taught and scholarship is produced. Although Stevens conducts research in a fair number of technical aspects of climate change, it does not teach the subject or conduct the amount of research commensurate with the importance of climate change to Stevens' academic concentration in technology as well as in business and in the social sciences. If the idea appeals to any of our classmates to join us in sponsoring teaching and scholarship in climate change as a legacy theme for our class, let me or Rich Cundari know.

"Harley, for your information, here are links to the two papers I mentioned above:

"1) 'Achieving negative emissions through oceanic sequestration of vegetation carbon as Black Pellets' (Aug, 2021) https://link.springer.com/article/10.1007/s10584-021-03170-5

"2) 'Global war against a common enemy: a paradigm for unifying against climate change — The path to a just sustainable future avoids claims of historical climate injustice' (Mar, 2025) https://www.sciencedirect.com/science/article/pii/S001632872500045X

"I did not feel that giving the titles of these papers or providing a link to them in the class log would be needed or appropriate, but I leave that to you. Don't hesitate to contact me if you have any questions. Best wishes, Len Miller"

And a note from **Craig Marshall**: "Mary and I are celebrating 54 years of marriage and enjoying sharing life experiences with our three kids and eight grandkids. I'm very active as Town of Clinton Historian (Poughkeepsie, New York area), vice president and exhibit director for our Clinton Historical Society, and frequent speaker on local history (thank you, humanities professor John Fife!). As a Vietnam vet, I've interviewed and recorded oral histories from veterans of numerous wars. And I'm on a county vets committee honoring deceased vets. After 50 years, I'm still working on our large 1856 Victorian home in the country (favorite project) and just self-installed an extensive mini-split heat pump HVAC system to save heating/cooling costs. Also active in a group that repairs/installs vintage and electronic organs in theaters and churches. Health is good (no meds) and looking forward to restoring my antique cars from the '20s, '30s and '50s. I just need 30 more good years. I keep thinking about when we were at Stevens, we thought reaching 80 meant 'one foot in the grave.' Well, I don't feel that at all and think 80 is the new 60. My secret? I just keep believing my driver's license is a misprint! Stay well!"

Some older news I received from December 2024:

"Hi, this is **Russ Vanderbeck**. I'm doing very well and living in the seaport village of Greenport, New York, with my husband Mike. My son and family live in Rye, New Hampshire, and my daughter and family live in Edinburgh, Scotland. We visit Scotland at least twice a year. I visit New Hampshire every other month. We go into New York City frequently for shows. Enjoying retirement very much now for 27 years!"

I have heard from many of our class over the last year or so but due to space requirements I could not print them all. I acknowledge hearing from **Fred Chasalow**, **Vem Chuang**, **Andy Del Preore**, **Niles Gant**, **Rich Green**, **Ken Harms**, **Ralph Heres**, **Gerald Intemann**, **Dick Kraycir**, **Herb Krieger**, **Al Masetti**, **Craig Marshall**, **Ira Siegler**, **John Powers**, **Walt Schmidlin**, **Russ Walker** and **Fred Zierold**. Please update me on your latest news, and I'll get it into future *Indicator* logs. I joined StevensConnects, so let's start our own Class of '64 page. Please stay well and write to me.

— Harley Graime
hgraime@att.net

1965

Feb. 13, 2026 — First, I need to reintroduce two classmates I had reported as "missing." Welcome back, **Jim Gallo** and **Robert Fillinich**. As I've mentioned in previous logs, it's always difficult to determine an individual's status. If you don't respond to my status checks, and if your phone doesn't respond to my texts, it's hard not to draw a possible negative inference. I try to keep our class database updated, but it gets harder all the time.

Five of Frank **Semcer**'s six children now run his business in New Jersey. He says they're doing a great job.

In January he hosted all of his New Jersey relatives at his house in Bonita Springs, Florida.

Ed and Jo **Boyde** will soon be 82 and 81, respectively. "Our doctor gave us walking canes because our bones are brittle and a fall could be catastrophic. Our only hobby now is rocketry. We passed a test to use high-power rockets. Jo built our largest one, which stands 4 feet tall. We shoot them with a group of rocketeers at a dry lakebed in Lucerne Valley, California. The rockets use solid fuel engines and reach altitudes of 2,000 to 3,000 feet. They are out of sight at that point. When the fuel burns out and they slow down, a gunpowder charge ejects a parachute. We have to be looking up to see the smoke of the charge and/or the parachute. Wind can make the rockets drift away from us on the descent, requiring a long walk on the lakebed's rugged surface. We avoid windy days. I doubt our doctor would approve. We are looking forward to our 60th wedding anniversary in May."

From **John Schepisi**: "After serving on the Stevens Board of Trustees for twenty years, I've gone to emeritus status due to my age and frequent doctors' appointments. I am going to miss my fulltime board service, but as an emeritus trustee, I'll stay involved and continue contributing to the betterment of Stevens."

From **Joe Malik**: "After a career that began in 1967 and ended in 2023, I have moved onto 'retirement activities.' My career spanned years at Bell Labs, Lucent, Crown Castle, Mformation and Spirent Communications. My love of sailing and theater finds me as officer of the North Jersey Yacht Racing Association and the Premier Theater Company as well as a life member of the Fair Haven Sailing Club. My five daughters and their families are spread from Maine to Hawaii, providing me with many opportunities to travel. Five grandchildren provide an additional opportunity to be a doting grandfather with their many adventures."

James McCoy Ph.D. was a fuel chemist who helped develop the exotic fuel blend for the SR-71 Blackbird. I recommend the excellent YouTube documentary: "Author Brian Shul on Piloting the SR-71."

Les Zenack is now an 8-plus year survivor of Stage 4 oral cancer.

Bill Tootill: As usual, Bill summered at his Canadian cabin. On leaving for Florida, a neighbor offered him the use of a winterized cabin in case Bill needed to leave the U.S.! Wow!

Pat Perrotti is a snowbird; he spends five months in Bonita Springs, Florida, and seven months in Berlin, Connecticut. Pat's brand-new Tesla flooded during hurricane Ian. He wasn't alone; in Lee County, Florida, 50,000 cars were totaled.

I've been a little under the weather, so didn't generate multiple follow-ups. As a result, we had only 56 responses out of 142 assumed alive. Please try to respond more quickly to my June status check.

— Steve Cochran
cochransm@aol.com

1966

Feb. 12, 2026 — I hope you are all doing well! Since my last '66 Class Log, I and a number of your fellow classmates have been working hard to be certain that our 60th Reunion, June 5–6, 2026, will be memorable!

Let me specifically "THANK" the following: **Al Zorner** — Class President, **George Henry** — Class VP, **Howard Sumka**, **Doug Brookbank**, **Roger Wartell**, **Bob Goldberg**, **Tony Bastardi**, **Phil Brower, Art Lifshey**, **Rich Seeley**, and **Bob Dent**. I expect that this list will be much longer by the time that our actual reunion rolls around.

If you can be there, please make every effort to come and see your "Old Friends"! My last reunion

DROP US A LINE!
Share thoughts on what you're reading in the class logs at alumni@stevens.edu

Beth and Rich Seeley '66, with their guide pictured at center, took a Road Scholar tour through Croatia, Slovenia, Serbia, Bosnia-Herzegovina and Montenegro in June 2025.

Rich Seeley's photo of the Minceta Tower in Dubrovnik, Croatia.

David Farber '56 M.S. '61, left, and Stevens President Nariman Farvardin at the 2014 Stevens Awards Gala.

'Grandfather of the Internet' leaves a lasting legacy

David J. Farber '56 M.S. '61 Hon. D.Eng. '99

BY REBECCA MARKLEY

When David J. Farber accepted the Stevens Honor Award in 2014, he made two things abundantly clear: He loved to learn and he loved to teach.

Farber, an Emeritus Trustee who was inducted into the Pioneers Circle of the Internet Hall of Fame in 2013, passed away on Feb. 7, 2026, at the age of 91. He was still teaching through late January as a distinguished professor at Keio University in Tokyo, where he also served as the co-chair of the Cyber Civilization Research Center. His lifelong passion for education was only strengthened during his time at Stevens.

"As a Stevens undergraduate, I had a ball here. It taught me many, many things outside of electrical engineering," he said during his acceptance speech at the 2014 Stevens Award Gala. "The teachers here were just superb. Dr. Strong, who supervised our senior project, was an inspiration and got me very interested in what became my career."

As a Stevens undergraduate, Farber earned an M.E. degree focusing on electrical engineering in 1956. He then started his career at Bell Labs — where he helped design the first electronic switching system — and learned under pioneers such as two-time Nobel Prize winning physicist John Bardeen and Claude Shannon, the "father of the information age." These teachers, he said, taught him theory but did it in a way using the research they were conducting right in their laboratories.

"What that taught me is something that has stayed with me throughout my entire academic career: Students deserve the best faculty that we can supply them, and our faculty has to be current," he said. "It has to be people doing research who are on the forefront of information because they'll transmit that love of science and engineering to their students."

Farber himself transmitted that love when he moved on to academia, holding various appointments and professorships at Carnegie Mellon University, the University of Pennsylvania, UC Irvine and the University of Delaware. He wrote several computer languages that helped develop the early web and taught many who went on to contribute their own innovations, earning him the distinction of being dubbed the "grandfather of the internet."

Throughout his career, Farber served as chief technologist for the FCC, and on the U.S. Presidential Advisory Committee on Information Technology, among others.

He was inducted into the Stevens Hall of Achievement in 2016 and continued to invest in the success of the university through the Farber Chair in computer science, a faculty fellowship in the School of Humanities, Arts and Social Sciences, and prizes that reward our seniors for their own societal impact.

Farber was predeceased by his wife, Gloria (G.G.), and their son, Joe. He is survived by his son, Manny, and two grandsons. ✦

Jeff Vock

comment concerns the fact that Art Lifshey and I will be presenting a sing-along, "Songs of the 60s," on either Friday or Saturday evening, during our class's cocktail hour. What songs would you like to listen to? We've already chosen 25 but won't have time to perform them all! So let me know via e-mail!

From **George Thompson** back in August: "It's been nearly 60 years since our 1966 Stevens graduation. I decided to participate in the Stevens 2025 graduation ceremony as a member of the Old Guard. Quite an experience and a firsthand approach to see the fantastic changes to Stevens. I also caught up with my roommate, **Ernie Stones**, who lives in Texas. We shared our 60 years of great personal and professional life experiences on my back porch in Ocean, New Jersey. I'm looking forward to seeing many of our '66 classmates in June 2026 when we will celebrate our 60 years. Lastly, if you live in New Jersey, join me next May as an Old Guard member at Stevens' 2026 graduation ceremony."

Speaking of old friends, Rich Seeley promised to write an article about his European vacation last year: "In June of 2025, my wife Beth and I took a whirlwind trip through Europe! We were able to explore Malta, take a cruise around Sicily, tour vineyards in Bordeaux and St. Emilion, drive through some of the 'most beautiful villages' in France, spend time with a cousin in Normandy, see the renovated Notre Dame in Paris (it's exquisite!), and, finally, pay a visit to Beth's German family in Berlin. From Silverthorne, Colorado, to Berlin, it was a fantastic 4-week adventure visiting friends and family. We are now preparing for our next trip — Austria, then the Middle East (Jordan and Egypt) for the fall of 2026.

"What is Malta? Most people have no idea that it is an island country in the Mediterranean Sea between Sicily and North Africa. This was our destination on our first night of our grand European vacation tour. It is a beautiful, lively country where nightlife is just another extension of their happy life.

"I could write a book on our very successful adventure across parts of the EU. But with limited space I will just list some highlights. After two nights in Malta, we boarded a Ponant Cruise ship (only 150 passengers) and circumnavigated the island of Sicily over the next 8 days. Excursions into the towns of Agrigento, Trapani, Palermo, Lipari, Syracuse, Taormina and the vineyards on the slopes of Mt. Etna just scratched the surface of the incredible history of over a dozen civilizations that have occupied Sicily. These include the Phoenicians, Greeks, Romans, Byzantines Arabs, Normans, French, Germans, Spanish and finally the Italians. With so many vineyards, I have never had so many wine tastings on one trip, with more yet to come.

"We arrived in Bordeaux ready for some serious wine tasting. A touring van with three other couples took us to three vineyards in the famous St. Emilion wine region. Ever since my first taste of St. Emilion Bordeaux back in my Stevens days, I knew that I would visit that region someday. For years I collected Bordeaux wines, but the desire to consume outweighed the desire to collect, and I drank my collection dry. Before our trip started, I Googled 'the most beautiful villages in France.' We rented a car and started our drive to one of those villages, which was on our route from Bordeaux to Normandy. The town of Angles sur L'Anglin is a village that has been frozen in time from the medieval centuries and preserved like a museum for all to marvel over. As a photographer, I was in heaven trying to capture all the 'angles.' Other villages that sent my imagination to the Middle Ages were Salat de Caneda, Lascaux (Caves of Lascaux), and Saint Savin.

"I am fortunate to have a second cousin (and spouse) that live in a village in Normandy. One problem, they do not speak English. Thank you, Beth, for being fluent in French. I struggle with French, but I am still learning and getting ready for our next trip. I had to get accustomed to drinking my coffee out of a bowl, a Normandy custom.

"Beth and I have visited Paris many times, but we were excited to visit the newly renovated Notre Dame. It is more beautiful than ever. It stands majestically on the banks of the Seine as it once stood through the ages.

"Au revoir Paris, wie geht's Berlin. Berlin is home to Beth's newfound family. Seven years ago, Beth was diagnosed with AML, a potent form of leukemia. A bone marrow stem cell transplant from Jan, a Berliner, saved her life. They are bonded for life. This is a story for another time (story was broadcast on Channel 9 TV news, Denver). We have visited them twice. Jan has a beautiful family. We hope to have them visit us in Colorado.

"From Berlin to home in Silverthorne, Colorado. It was a fantastic four-week adventure visiting friends and family. We are now preparing for our next trip — Europe and the Middle East for the fall of 2026. Stay safe, Rich Seeley."

Gerry Osborne
gerryo44@yahoo.com

1967

Feb. 17, 2026 — Our Class President **John "Spaz" Spaziani** wrote, "Can you believe that our 60th Anniversary is May 2027, about a year away? God-willing, Charlene and I are planning to attend Alumni Day. We hope to see some of you there." I hope to join in the celebrations, too, and heartedly agree. I look forward to seeing all of you at Castle Point (and visiting all the new buildings)! The likely dates are June 4 and 5, 2027.

Rich Weinstein wrote, "I went into advanced concept engineering, which I did right up to retirement. 'Advanced concepts' is engineering make-believe — science fiction with good math. I specialized in what technology might look like 20 years out. My job was to sprint ahead of the real engineers and pound stakes into the ground, so they'd know where to aim. When you're that far in front, you get to speculate freely and never actually build anything. I churned out proclamations, reports, technical papers, and spent decades waving my arms at international symposia, telling audiences about wonderful machines that did not yet exist. In total, I've published about 75 technical papers and 133 major reports on everything from power systems to techno-wizardry.

"I spent nine years in the Advanced Engine Group at Pratt & Whitney Aircraft, working on nearly every kind of propulsion system imaginable — fighters, fighter-bombers, exotic high-speed designs, even closed-loop nuclear systems and other delightful oddities. I wrote mountains of computer code, modeling engines, some that would be, some that no sane person

"We were excited to visit the newly renovated Notre Dame. It is more beautiful than ever. It stands majestically on the banks of the Seine as it once stood through the ages."
Rich Seeley '66

Below:
Frank Roberto '76, left, and Nick Smith '25, center, visit Walter Ulrich '68, CEO of the Houston-based Medical Bridges, a non-profit that provides surplus medical supplies to underserved communities around the world. Roberto volunteers with the organization.

Above:
Chi Psi fraternity brothers met for lunch in Punta Gorda, Florida, in February. From top to bottom: Russ Eitel '69, Stas Urbanik '70, Dale Jacquish '70, Bob McCarty '67, John Morris '72, Dave Vercollone '69, Erick Hjembo '70, Joe Giacone '69 and Bill McShea '67.

would ever try to build. After that I moved to the Advanced Concepts Group at Gilbert/Commonwealth, a designer of electric power plants. The company was bought and sold enough times to qualify as a hobby, eventually ending up as Parsons Infrastructure and Technology. There I worked on every flavor of fossil-fueled power generation, from conventional steam plants to coal-fired magnetohydrodynamic fantasies. The Department of Energy and other forward-thinking folks loved our many advanced concepts.

"Along the way, I married Phyllis — an identical (MZ, monozygotic) twin — and, in a triumph of human endurance, she has put up with me all these years. We produced a son and two daughters, and they, in turn, each produced one singleton and one set of identical twin grandchildren. Yes — we count three MZ twin pairs among our grandchildren. We have two girl pairs and one boy pair. Since MZ identical twins — the rarer type — occur in roughly one out of every 250 births, the odds of an MZ grandmother ending up with three sets of MZ grand twins are... well, let's just say the genetics department should be watching our family with interest. We've traveled much of the world and now enjoy a peaceful retired life in a Pennsylvania townhouse."

Bob Jessup wrote, "We're still living full-time in Harlingen, Texas, in a Park Model home. There are always plenty of park-sponsored activities (dances, dinners, card games, etc.) to keep residents occupied. The park has over 1000 RV & mobile home sites with lots of amenities such as a pool, hot tub, two large all-purpose halls, woodshop, etc. Winter Texans (aka snowbirds in Florida and Arizona) swell the population from 150 year-round residents to about 800. Many come from Canada and the northern states.

"We have 'quieted down' in our old age, limiting our activities to walking, eating out and participating in church activities. Otherwise, we are boring: reading at home is our primary passion. We also love to play card games with friends. We limit travel to the local area except for the 40-mile trip to South Padre Island on Tuesdays for all-you-can-eat shrimp. We previously spent time in the Texas Hill Country when we lived and traveled in our fifth-wheel RV. Great area to visit. Of course, I spent time (quite a few years ago) in the San Antonio area when I went through instructor pilot training after my Vietnam tour.

"That about sums up our quiet, peaceful lives. Sherry and I celebrated 42 years of marriage last month, and the Lord continues to bless us with good health."

And **John Recknagel** wrote, "We spent 20 years of enjoyable retirement in Churchville, Virginia, on a 10-acre hay farm overlooking the foothills of the Alleghenies. Churchville reminded me of what the small town in northern Connecticut where I grew up was like in the 1950s. As we were approaching our 80s, and the house was growing needier every year, in 2023 we moved to a small home in Lancaster County, Pennsylvania, close to our sons' families and everything else we need to remain independent. We both are grateful for our relatively good health. Judy has found a friendly community to share her love of quilting, and I am involved in conservation work and habitat restoration to help preserve and improve the remaining wild spaces around the Susquehanna Valley. It's been good to be close to family although they being in the busiest time of their lives means we don't see as much of them as we would like. Overall, we are very grateful for the quality of our lives and appreciate that my Stevens education was a foundation for a productive and satisfying life."

As for me, I am deeply touched by the personal and professional achievements of so many of my classmates and the peace in which they live their lives today.

— Jeff Seeman
jiseeman@yahoo.com

1968

Feb. 15, 2026 — This log is intended to provide information on our classmates and their families, but if I don't receive any updates from you, the reader, then I have nothing to write about. Over the years, I have tried various methods to encourage you to write to me, and they have been moderately successful. I haven't received anything from anyone this time around.

I'm going to try another method: In the more recent past, I have written about deceased classmates, as I receive information. But now in the log, I'm going to list those classmates who I believe are alive and have written to me in the past, or I keep in touch with otherwise. I know my list may be incomplete or inaccurate, but I'm hoping it encourages some of you to write and either correct my information or send me new information about yourself or add you to the list.

Here goes: **Gil Davidson**, **Bob Del Ghiaccio**, **Bill Destler**, **Jim Donnelly**, **Norm Dotti**, **Stan DuBrul** (class VP), **Bill Ellis**, **Paul Flanagan**, **Al Foytlin** (class secretary), **Jay Gassaway**, **Bill Glasofer**, **Mike Golden**, **Rich Guffanti**, **Mike Hollander**, **David Joshi**, **Roy Kersey**, **John McCormack**, **Joe Mikilitus**, **Rich Noble**, **Fernando Pertuz**, **Phil Pryjma**, **Joe Rinde**, **Charlie Seaman**, **Art Schmidt**, **Art Taggi**, **Mel Thor** (class president), **Walt Ulrich**, **Marty Valerio** (fund captain) and **Tony Wereta**.

Again, I encourage you to contact me to either add or delete names to the list, or if you are on the list, send some info on yourself.

Till then, stay safe and healthy.

— Al Foytlin
foytlin01@gmail.com

1969

February 13, 2026 — **Thomas Budny** shared this update."Last year, I decided to start a business so I could present environmental science papers at the American Chemical Society meetings. My next presentation will be at the Atlanta ACS meeting on March 25.

"My paper's title is: 'Feasibility of carbon capture from plants.' Part 1 of the paper is available now on my website: https://eccotechfl.com/

"I have been retired for a number of years, so this is an opportunity to strain my brain, and I can also present facts and a little humor in my presentation. (I get up in the morning and ask myself what results I am waiting for. MRI or NMR.)

"We have been around the world twice, and it would have been three times in 2020 if not for COVID-19.

"One of our favorite trips in our many travels around the world was to Japan."

In January, **Bruce Burdick** shared this update: "Retired in 2014 after 50 years as an intellectual property law attorney, 20 years as a corporate attorney and 25 years in private

practice. Now CEO of my multi-disciplinary Emerald Entities LLC (www.emeraldentities.com), primarily promoting AI transformation of industrial process controls, but also dabbling in real estate investments and digital businesses. Have lived near St. Louis for the last 45 years, married and patriarch of an extended family of 35."

— Ed Eichhorn
eceichhorn@medilinkgroup.com

— Gerry Crispin
gerry@cxr.works

— Russ Eitel
russ@eitelgroup.com

1970

Feb. 15, 2025 — We had some brutally cold days in January in St. Louis, close to 0° F without the wind chill factor. It appears they are gone and, hopefully, will stay that way. We will start on a good note but will unfortunately have to end on a sad one.

Father Gabe Costa is now retired from teaching mathematics for 24 years at the United States Military Academy at West Point and is back at Seton Hall University. Pictures from his retirement ceremony at West Point are available at https://photos.app.goo.gl/ZusDXetvyzG7jKoU7 and can be seen with this log. The event was also attended by **Charlie Perruzzi '63** — who has known Father Gabe since he was a top scholarship student from Hoboken High School and Charlie was a Stevens dean — and Charlie's grandson, who was a first-year plebe and one of Father Gabe's students.

We received a nice note from Jeannine **Der Bedrosian**, wife of our departed classmate, Jim. "This note, to start, is way overdue. The previous celebration of Class of '70 at Stevens was really fabulous. My daughter and I appreciated all the time and effort put into it. It was very meaningful to us. Thank you for all the planning, coordinating, rescheduling and the thoughtfulness put into getting us all together for that occasion." We hope Jeannine and others can join us at our 60th in 2030. I plan on being there.

Mary Lou **Van Handle** sent an email in early December advising, "Sadly, I wanted to share with you that **Hank** passed away November 12, 2025. He was being treated for throat cancer and had many complications and the cancer spread. He fought a good fight. He was in so much pain and discomfort and the body gave out. We had plenty of good trips and family fun. 55 years married!"

Hank hailed from Passaic, New Jersey, and was one of the two youngest members of our class. He majored in electrical engineering, and he became a brother in Theta Xi fraternity, being proud he became Gamma 900. He served various roles in Theta Xi and was active in IEEE and other campus organizations.

After graduation, he worked for ASARCO, Exxon and a consulting engineering company. While working for ASARCO, he and I lived in the same apartment complex, and he was a great help getting my wife and me up the Garden State Parkway to the hospital for our first daughter's birth.

Hank and Mary Lou lived in Succasunna, New Jersey, and had a second home in Vermont, where they loved to ski. Their son, Stephen, lived in Hoboken and visits to him and his family often included visits to Stevens. A picture of Hank and Mary Lou from our belated 50th reunion is included with this log. We extend our most heartfelt sympathies to Mary Lou and the family.

Please send information to share with our classmates. Fortunately, I can get information from Facebook and LinkedIn at times, but your help would be appreciated.

Stay safe and healthy and start planning to attend our 60th in 2030! I plan on being there, as I was not able to attend our 55th.

— E.A. Golebiowski
eagolebiowski@att.net

1971

Feb. 16, 2026 — **John Schroeder** officially retired from Marmon Holdings in July 2025 with an amazing retirement party including two tickets, plus lodging and meals, for the Masters golf tournament last April. He is still doing some modest consulting. He put in 54 years of work, culminating with an Executive VP role at Marmon. Carol and John celebrated 52 years of marriage last June and continue to follow Notre Dame football from their condo in South

Above: Father Gabe Costa '70 M.S. '72 Ph.D. '84 retired from the United States Military Academy at West Point last December after 24 years of teaching mathematics. Family, friends and members of the West Point community turned out to honor him, as the Army presented him with the Superior Civilian Service Medal.

Hank Van Handle '70, seen with his wife Mary Lou, passed away last November. He is fondly remembered in the '70 log.

Marlene and Howard Fidel '72 in West Palm Beach, Florida. On Howie's shirt: "I came, I saw, I fixed."

Bend. They continue their annual month-long Maui trips, including visits from kids and grandkids.

John has seen **Tom Lennon** and **Don Osborne** in person and does routine Zooms with Alpha Sigma Phi brothers from 1971 (**Len Metzger**, **Ralph Cohen**, etc.) as well as with a group from 1972 and 1973. He is looking to connect with fellow alumni or other Alpha Sig brothers. He is still trying to figure out the retirement gig and finding something more rewarding than golf!

Phil Crowley is still busy at Crowley LLC, providing legal assistance for developing companies, and is on the Stevens Board of Trustees. He spends most of his time at his home office in Hellertown, Pennsylvania, with occasional trips to his golf course estate in Palm Beach Gardens, Florida, where he keeps his golf game in shape. He formed a group, Hope Through Education USA, and also authored a book, *Avoid Startup Failure — Top Ten Causes of Failures of Technology Start-ups and How to Turn Them to Your Advantage*. His wife, Diane Young, is the chief medical officer at the biotech company Celldex Therapeutics, which is conducting Phase II clinical studies on the safety and effectiveness for a drug to treat chronic hives.

Ironically, Phil and Diane and Nan and **Ken Sullivan** were both on cruises to Antarctica in late December, about a week apart. Phil and Diane's trip included two days in Buenos Aires, then Ushuaia and sailing on the Endeavor to Antarctica for a week. The summer daytime temperatures were a toasty 15–30°F, and the sun was out 24/7. Land excursions included penguins and other Antarctic native animals.

Ken and Nan Sullivan started their trip in Santiago, Chile, then Easter Island, Buenos Aires, the Falklands, Georgia and the Sandwich Islands, departing from Ushuaia to Antarctica. Ken sent lots of penguin pictures. They are still transitioning from their house in Leesburg, Virginia, to their new place in North Carolina, near their son and his family.

Phil Winkler is still enjoying retirement in the Villages in Florida, keeping busy with water volleyball, billiards and the Corvette club. As a volunteer with SCORE, he assists clients getting government funding. He received a certificate from AIChE as a 50-year member in good standing.

Nancy and **Bob Munczinski** spend most of their year at their Kiawah island, South Carolina, house while maintaining their house in New Jersey. Bob serves on the Amenities Committee of the Kiawah Island Community Association (KICA), where he focuses on challenging strategic and unresolvable issues, e.g., where do they build an indoor pool when KICA's land holdings are limited and other Kiawah entities refuse to sell or consider joint ventures. They make frequent trips to see their daughter Anneliese, husband Jon and grandchildren Hunter (11) and Charlotte (9) in New Jersey and get them to visit a few times in Kiawah or Scottsdale, Arizona. They did a 24-day vacation last summer to Iceland, Norway and Sweden. The trip included a Norwegian fjords cruise, four days in the Lofoten Islands (inside the Arctic circle), staying in a renovated fisherman's hut. Lofoten has white sand beaches and beautiful turquoise water — but not suitable for swimming!

Hope to see you at our 55th reunion on June 5–6, 2026!

— William Stengle
wfs20hlm@aol.com

1972

Feb. 15, 2025 — Dear Fellow Classmates, I just returned from our Southeast Asia Cruise where we visited Thailand, Malaysia, Vietnam, Cambodia and Singapore. So much art, such spectacular beauty. Sunrise at Angkor Wat was impressive. Bangkok is a world metropolis, hardly recognized it. So much has changed since I lived there 40 years ago!

The return to New Jersey was a rude awakening from the "storm of the century." Our flight was delayed three days. We came from 95˚F to 5˚F. We are going to have snow here until June. Those of you coming for Alumni Weekend might still see some. I just saw a cartoon of Punxsutawney Phil with a flowery shirt and his bag packed on his way to Florida. I think he has the right idea. What happened to global warming?!

Well, guys, I just checked my inbox, nothing from you. Don't forget us. Come to Alumni Weekend and celebrate our nation's 250th birthday. Keep on cruising! Take it away, George.

Thanks Enrique! At a breakfast, we caught up with **Christ Haritos** (haritos@ptd.net), another vacation warrior. Typically, Christ and his family take cross-country treks. But last year, they stayed close to home in Denville, New Jersey, with trips to his shore home in Monmouth Beach and into neighboring states. On one trip, a GPS mishap took his family to an unfriendly Maryland trailer park, where they wisely quickly left. In Chevy Chase tradition, one can imagine hearing the song "Holiday Road" from "National Lampoon's Vacation" movie playing in the background as they reversed directions and sped away. Christ also shared that his son Peter is training at the Culinary Institute of America, following their family's restaurant tradition.

Lou DeCicco, ladecicco@comcast.net, and **Howard Fidel**, hffidel@gmail.com, and I met for lunch. Lou moved from Mays Landing, New Jersey, to Coopersburg, Pennsylvania, and bought another Mustang EV. He always was a Ford guy. His family is settling in well. Howie serves on his condo's HOA Board in Tarrytown, New York, and he and spouse, Marlene, share time among condos in New York, Florida and Arizona. Their Ph.D. daughter, Rifka, is a professor at the University of Arizona, teaching soil science.

Class Vice President
With Class Vice President **John McDonnell**'s passing (now two years), we need to fill this role. If you are enthusiastic about Stevens and want to help keep our class connected and engaged with Stevens, please let us know of your interest. It is not a "hard lift."

Tech-Talk
In his day, Colonel John broke new ground by introducing armor plates on naval ships. He designed a vessel named "Stevens Battery," which is recognized as the world's first ironclad warship. Its hull was constructed at the Stevens shipyards, located near the Hudson River on the now Stevens campus. The Battery featured a deck that is level with the water's surface and a canon that rotated 360 degrees. While the Stevens Battery preceded the Civil War Monitor and Merrimack by over 20 years, unfortunately,

Gearard Boland ’02 returned to campus to speak with students about tech careers.

Microsoft Manager Gives Back Through Mentoring

Gearard Boland ’02

BY BETH KISSINGER

Gearard Boland ’02 left his native New Jersey for Washington State right after graduation — and never looked back. For more than two decades, he’s worked at Microsoft, on everything from Office to the company’s early push into AI. He’s learned from some of the smartest people in the industry. And he’s made his best friends, started a family and embraced the laid-back ethos of the Pacific Northwest.

Things could have been different. When Microsoft offered him a job senior year, he almost didn’t take it. But his friend and fellow “Microsoftie” Mirweis Jamali ’01 and Stevens Dean of Students Ken Nilsen urged him on, despite a lower starting salary than his other job offers and a move almost 3,000 miles from home. Here was a rare chance to work in big tech and make an impact.

“If it wasn’t for them, I wouldn’t be here,” he says.

“Stevens teaches you to think, which is much more important than the specific knowledge you get.”

Boland is now a principal engineer on Cosmos Analytics, Microsoft’s backend that processes massive amounts of data daily. He also interviews and hires job candidates and is nurturing a new generation of tech talent.

For the past decade, he’s mentored first-generation college students or those with significant financial need through the Washington State Opportunity Fund. He hopes his efforts help to identify much-needed, promising talent and improve lives.

“We should focus on the beginning of the funnel,” he adds. “How can we get folks into it? How do I contribute to that?”

Last fall, Boland reviewed Stevens student resumes and returned to campus to speak to an enthusiastic gathering of more than 100 students about interviewing for highly competitive tech careers.

With Microsoft receiving about 2 million resumes each year, the odds of landing there are slim, Boland acknowledges. His advice is direct. There’s no single right or wrong answer in a job interview, he says; he’s offered jobs to people who gave him “wrong” answers but stood out for how they came up with those answers. Don’t waste your time searching the internet for common questions and the “best answers” in a tech job interview, he advises.

Resumes must immediately show what you can do. A high GPA doesn’t impress him, he says; relevant work and project experiences do.

And he encourages students to look beyond big tech; every industry has a tech aspect. Stevens students should be confident, he says. “Stevens teaches you to think, which is much more important than the specific knowledge you get.” ✦

Jenn Nilsen

Top:
Greg Klar, driving car #99, checks in about his second act in racing.

Middle:
Sandra Dunphy, left, wife of the late Ken Dunphy '61, with Karen and Walter Mooney '74 at the Houston Club holiday party last December.

Above:
Ryan Linder, son of Bill Linder '74 and the head strength and conditioning coach at Stevens, ran a marathon last October in Berlin, Germany — his 11th. Bill and his daughter Allison came to cheer him on.

insufficient government funding led to scraping the Stevens warship.

Class Log Updates
Guys, as Enrique also mentioned, please keep sending us updates on events in your lives. The class log remains a popular source of information, so we would love to hear from you. Please send:

• A recent photo (at least 1 MB) with a caption — let us see who in our class still has the most hair!

• A short paragraph or two about what you have been doing during your "retirement years" or if you are continuing to work.

• Your recent holiday card letter — any type is welcome, even Festivus updates. Send a photo of you with your aluminum pole.

Thanks for keeping us connected!

— George W. Johnston
gwjohnstonjr@msn.com

— Enrique Blanco
elbmcb2@gmail.com

1973

Feb. 10, 2026 — Greetings all fellow classmates. Your class officers have been meeting regularly to continue to plan ways to encourage communication and contact between our alumni. While the *Indicator* is published only twice a year, **Frank Vastano** sends out a monthly class bulletin that contains more up-to-date information regarding our class and pertinent activities at Stevens. If you aren't getting Frank's bulletin and want to, be sure to send your email address to Frank so you can get on the distribution list. There are some new features such as bucket list adventures, second act projects and paying it forward activities. Here is a recent contribution from **Greg Klar** on his second act in racing.

"I started my fledgling racing career during the summer of 1972, after completing my most successful academic year at Stevens by finally getting my GPA above 2.5! I dreamt about this new adventure forever, as I grew up watching my dad race midgets at dirt and pavement racetracks.

"I started in three-quarter midgets ("TQs") in 1972, full midgets in 1980, was semi-retired between '83 and '87, and then raced full midgets again until 1998. I had a few successes in the TQs and midgets, no wins but a couple seconds and thirds, and many near misses for the trophy.

"In 2000, I took on the huge challenge of racing 410-winged sprint cars! It demanded every ounce of driving skill and courage that I possessed to compete against some of the best professional race drivers in the country. While learning on the fly at age 49, I figured out how to tame the 800+ horsepower in my 1,200-pound sprint car, coaxing it sideways around half-mile dirt tracks in Pennsylvania! It was the most challenging and rewarding experience that I ever had in a race car, but my best result was only a 9th place finish. So, I retired in 2002 to focus on my family, helping my mom care for my aging dad, and a new engineering opportunity. In October 2011, I 'retired' from my job in Annapolis when my engineering firm downsized senior staff. The kids were grown, living in New York City, and suddenly I had a lot of free time.

"A racing acquaintance told me about a guy on Long Island who wanted to sell a midget that my dad raced in the '60s. Eventually, we reached a deal when he added a vintage TQ that raced in the early '70s in Canada.

"I spent the summer of 2024 racing the TQ in vintage events in New York and Pennsylvania while looking for someone to restore the vintage midget that my dad had raced 60 years earlier! My competitive desire to race seriously again was ignited, but the vintage scene didn't quench that desire, so I bought a modern midget at the end of the year to compete the following summer against kids aged 15–45 in New England!

"What was I thinking? Maybe I wasn't! I didn't realize the time, effort and money necessary to compete at this level in midget racing or the significant handicaps that came with my new race car! I discovered that the car I bought was significantly underpowered compared to the rest of the cars in the series, 160 hp vs 190 hp for everyone else and 50 pounds overweight to boot! And apparently, I was 50 pounds overweight too after assessing my competitors!

"Reality was that my best finish was 10th (twice), and that came before a couple of accidents, one due to a mechanical failure and the other due to 'over aggressive driving' on my part!

"Looking forward to next year, my plan for the winter is to take my car up to Massachusetts in January for a complete rebuild of the entire car, replacing all worn or damaged suspension parts, removing the extra 50 pounds of weight, re-designing certain parts of the cockpit so that I fit better and can operate the gas and brake pedals more comfortably, (although the car is called a midget, I'm not, at 6' 1" and 195 pounds!) and modify the wing mounts to facilitate quicker and easier adjustments. The engine will be sent to the premier engine builder for the NEMA Series to get an upgrade in horsepower. Hopefully, these changes will make a huge difference in the performance of the car and, consequently, in my performance on the track! My goals are to finish in the top five consistently, hopefully pick up a couple of wins, and finish in the top five in points! If I can't achieve any of these goals, then I may have to reevaluate my racing program and return to the vintage racing series against other old men!"

We also heard from **Bill Moore** regarding his "Paying it Forward" project.

"For a couple of years in the early 2020s, I had been reading about the developing Sustainability Program at Stevens. In the depths of the COVID-19 pandemic in September 2021, I visited Stevens together with my partner Susan Cornish to meet with Professor Dibyendu "Dibs" Sarkar, founding director of the Sustainability Management Program.

"In the meeting after about 15 minutes, I asked him how much funding he had a year for the effort; $10,000 (plus students paying for courses) was the answer. My response was that you can't do much with that amount. So, I made a commitment to seed fund the program with $25,000 a year for three years.

"The rest, as they say, is history. The Sustainability Program has flourished and hit a high note in April 2024 when the Public Service Enterprise Group (PSEG) Foundation gave Stevens a $1.45 million grant to further develop sustainability programming at the university and educate a pipeline of new graduates prepared to address threats to sustainable development.

"And at Stevens, sustainability has moved forward from having very little emphasis in the early 2020s, to now in 2025, where sustainability

is one of the 6 'core values' that are foundational to everything Stevens does. They define who we are and who we aspire to be as a community.

"Over the last four years, I've stayed close to the program to lend my support and expertise from a 50-year career in the sustainability field. We could use some other '73ers to step up to the plate to move the Sustainability Program even further!"

As always, I hope to hear from more fellow Class of '73 graduates.

— Anthony Callendrello
acallendrello@gmail.com

1974

Walt Mooney writes: "I was 'transferred' to Houston by my first employer, Turner Construction Company, before my first day on the job. So I arrived in Houston about two weeks after graduation and have been here ever since. (The Turner thing didn't last too long). I married Karen in '81. We have two children and one granddaughter.

"Spent my career in some residential and mostly commercial construction, including having my own firm for 17 years, from 1984–2001. Our son likes to say that I've built everything from a birdhouse to an 11-story building, including a Texas prison farm unit.

"I've crossed paths with **Tony Manzo** a couple times, as he had lived in the Houston area at least twice that I know of.

"Karen and I went to the 50th reunion for our class last year and had a great time. It was really enjoyable catching up with so many of the guys! The campus sure has changed!

Bob Pedevillano writes: "My twin granddaughters are going to graduate from Raritan High School in Hazlet, New Jersey, in a couple of months. I can't believe they will be going off to college this coming September. They were just babies, or so it seemed. Yes, they obtained a partial academic scholarship to Centenary University in Hackettstown, New Jersey, and they will be playing soccer there as well. I am super proud of them. These twins are the daughters of my daughter, Amy Fogarty, and my son Michael lives in Piscataway, New Jersey, not too far away."

Phil Vitale writes: "I retired in December of 2020 after a satisfying career in ocean engineering for the Navy and Army Corps of Engineers. I now spend my time chasing three grandchildren with my wife Kathy in Arlington, Virginia. I faithfully attend the Stevens holiday event in Washington, DC where I meet other alums, both older and younger. As the years have passed, more and more of them are of the younger variety. In my spare time, I review ocean energy projects and proposals for the Department of Energy and the National Science Foundation. I very much enjoyed seeing so many classmates at the 50th reunion and hope to see them again at future Alumni Weekends."

Greg Gemgnani writes: "Since moving to Philadelphia in 2021, I have learned that the first president of Stevens was the first secretary of the Franklin Institute, the Philadelphia science and technology museum that we took our children to when they were young and now take our grandchildren. Henry Morton of the Franklin Institute was recruited by John Stevens to be the first president of Stevens in 1870.

"I now live just outside Philadelphia, and our four daughters, sons-in-law and 10 grandchildren all live nearby. But I still can't get used to hearing 'the city' when locals are referring to Philly and not New York."

Vin Rubino writes: "I have never written to the alumni log before. I never thought anyone would be very interested in my doings. But then I thought: I read about everyone else, so why not?

"I am still working at Wade Trim in New York City doing wastewater infrastructure work [I like it, and they pay me]. My wife Michele and I have moved to Northvale, New Jersey, to be closer to our four grandkids. Nicest part of getting old is playing with the grandkids. Also glad to have reconnected with Greg G. and some of my classmates by Zoom. They convinced me to attend our Class of '74 50th reunion, and I enjoyed seeing some folks for the first time since Commencement. New buildings! New staircase from the parking lot! No slide rules on belts!

John Butler writes: "Since it's been 50 years since graduating from our great alma mater including 30 years of working for Exxon Chemical/Infinium, in New Jersey, I have settled into a very comfortable and happy retirement here in South Florida with a beautiful lady of almost 19 years. Together, we

EIGHT DECADES OF DELTS CONTINUE LUNCHEON TRADITION

They traveled from California — on the redeye — Minnesota, Florida, New England, New Jersey and elsewhere for lunch last fall. Most remarkably, the gathering at Stevens brought together eight decades of Delta Tau Delta fraternity brothers — from the 1950s through today's students — uniting 62 Delts for their 40th consecutive luncheon. They came to support students and connect with each other, continuing a cherished tradition.

They also presented 16 scholarships to student members, funded by Delt alumni and awarded for academic achievement, leadership, service to the house, and for brothers with financial need. Retired Stevens Professor Silvio Laccetti also presented his scholarship.

Class of '74 Delt alumni started lunching each year as a way to keep in touch as the demands of careers and families grew, says brother Tom Nathanson '74.

"At the Delt house, we really achieved a sense of brotherhood," Nathanson says. "Through our traditions and the rigors of a Stevens education, which made us look after each other and help each other through, we banded together."

These strong bonds of friendship extend to a new generation.

"We want to get to know them and let them know they are part of a larger community that cares for them," he says.

— Beth Kissinger

Above: Generations of Delta Tau Delta fraternity brothers gather for their annual luncheon last fall.

CREATE YOUR Legacy

Mary VanLeer M.Eng. ’12 and William VanLeer

Mary VanLeer M.Eng. ’12 and her husband William are investing in the next generation of Stevens innovators. Their generous bequest establishes the William L. and Mary D. VanLeer Endowed Scholarship and the Mary VanLeer M.Eng. ’12 Endowed Research Fund, creating impactful opportunities for emerging leaders in systems engineering.

The scholarship is deeply meaningful to them. For Mary, earning her master’s degree in systems engineering at Stevens in 2012 was an empowering experience that elevated her career. Will was accepted to Stevens as an undergraduate in 1963 but was unable to enroll because he was $600 short of tuition. Will’s experience inspired them to create the scholarship to help students with financial hardships.

“I want to help students to make a difference in the world and understand the value of thinking holistically,” Mary says.

Through their support, they want to inspire Stevens students to become leaders. Mary adds, “Our hope is that they offer the world possibilities.”

To learn more about Mary and Will and their legacy gift, visit: **stevens.giftplans.org/donor-stories**

To plan your legacy, visit: **stevens.giftplans.org/gift-intention** or contact: **Michael Governor**, Senior Director of Planned Giving, at **201.216.8967** or **michael.governor@stevens.edu**.

have nine grandchildren and three great-grandchildren from our four daughters. I am extremely proud of my oldest granddaughter who graduated in May 2024 with her RN and is now working on her BSN here at one of the local Florida universities. It’s been great keeping in touch with a group of classmates through Zoom, coordinated by our guy **Phil Vitale**.”

William “Bill” Linder shared this update back in October: “Recently, my daughter Allison and I watched my son Ryan run his 11th marathon, this latest one in Berlin, Germany. He is the head strength & conditioning coach at Stevens. His goal is to run in all 50 states and the ‘Big 7’ marathons (New York, Chicago and Berlin that he has already run, plus London, Tokyo, Boston and Sydney). He has already inspired me to train to run 5Ks. He still plays co-ed soccer in Hoboken on the field next to the maintenance shop on Sinatra Drive where he sometimes competes against ex-Stevens players, enjoys rock climbing and has recently started to compete in HYROX, a competition that includes eight 1 km runs combined with eight other workout stations. We are headed to a HYROX competition in Dallas right before Thanksgiving. I am traveling more than ever now as I watch him compete; this year visiting Oregon, Utah, Copenhagen, Denmark, Berlin and, finally, Dallas. I still work full time and don’t expect to retire any time soon, unless, of course, I win the lottery. If you are ever on campus, stop by and say hi to Ryan in his office in the gym.”

— Greg Gemgnani
ggemgnani@gmail.com

— Gary Jung
jungpackaging@msn.com

1975

Feb. 12, 2026 — Dear Classmates, Sadly, we learned of the unexpected passing of classmate **Pete Kublickis** from his daughter, Adrianna. She writes, “It sounded like he had a blast at Stevens. He wore his class ring for many years, and I know he was very proud of being a Stevens grad. He passed along his love of learning to me. My dad would tell me stories about his time as a Beta Theta Pi brother. And he mentioned during his spare time on campus, he enjoyed working on his car and taking extra courses in neuroscience. He loved living and learning at Stevens.” Here’s a link to Pete’s obituary: https://www.westfamilyfuneralservices.com/obituaries/peter-kublickis

Julius Ballanco writes: “It was good to see you and spend some time at the 50th class reunion. You asked for any interesting tidbits in our life. My wife and I traveled to French Polynesia to celebrate her 70th birthday. We cruised for 10 days to seven islands and spent the last four days on the island of Moorea. While in our bungalow on Moorea, I filled the sink with water and called my wife to come see. I then pulled the plug, and we watched the water go down the drain backwards. Her response was, ‘Wow, that is amazing! I’ve heard you talk about this for years, but it is neat to see it in action. As I recall, you said it is the Coriolis effect. You’ve tried to explain that to me many times, but your explanation only makes it more confusing.’

“We had great Polynesian food, lots of fish, snorkeled on many islands, and took a Polynesian cooking class. What a beautiful part of the world.

“This year, we traveled to Japan after the birth of our sixth grandchild, another little girl. My daughter and son-in-law live in Tokyo, working for the U.S. military.”

Bob Frame writes: “In 2025, the Chi Psi fraternity completed a major renovation of our home at Stevens, formally known as the Lodge. Located at 804 Castle Point Terrace, the Lodge has served over 1,200 brothers, fostering lifelong friendships and leadership development. Over 120 years old, the Lodge faced significant issues in outdated core systems and structural challenges.

“The project made critical updates to plumbing, electrical systems, fire safety and HVAC. Structural deficiencies were also addressed. Enhanced living spaces now meet modern standards.

“Stevens assisted by providing alternative living space to our active students during construction. The Lodge was closed for construction in January 2025. The contractor worked on a fast-track schedule, substantially finishing in August. Active students moved back in for the fall semester.

"The total project cost will exceed $2 million. Generous Chi Psi alumni and the fraternity's national headquarters provided funding to complete the construction phase. Fundraising is ongoing to complete the overall project. This renovation was crucial for maintaining the Lodge as a competitive and functional living space for future generations of Chi Psi brothers attending Stevens."

Finally, many thanks to **Martha Connolly** for her years of service and contributions as class vice president. Martha has decided to step down and is now active with the "Old Guard News," where she enjoys interviewing and spotlighting alumni 'second act' passions, bucket list achievements and doing good work to pay-it-forward. We are also pleased to announce that **Julius Ballanco** has agreed to take on the open class vice president role. We wish Julius the best of success in his new responsibilities.

Growing the endowed class scholarship remains a major priority. As such, we are seeking talented individual(s) from the class to lead the fundraising initiatives and to fill the open class fund captain position. Let us know if you are interested!

I know many of you enjoy reading the class log, and I appreciate hearing from you at harrymac@comcast.net. Also, take part in the conversation and join the "Stevens Tech Class of 1975" Facebook group. Many thanks!

— Harry MacArthur
harrymac@comcast.net

1976

Feb. 15, 2026 — Hoping this issue catches you in time and AHEAD of Alumni Weekend, June 5–6, 2026, where we will be celebrating the 50th anniversary of our graduation with a reunion. If so, PLEASE plan to join us. You can email me at FrankRoberto76@gmail.com for details on activities and information on registering.

This issue's log starts where we left off last issue with the second half of **Allen Schrumpf**'s update. He continues: "Last October, we traveled back to Europe for a Viking River Cruise extensively in France. This was accomplished on two separate river ships — one on the Rhone and one on the Seine. Between the two river cruises, we traveled from Lyon to Paris via France's TGV high speed rail line. We had wonderful weather throughout our trip and visited many small quaint towns in addition to Paris. Highlights included a pre-extension cruise to Nice, Cannes and Monaco, and a visit to impressionist painter Claude Monet's home in Giverny, where we admired his lovely gardens and walked across the famous green bridge seen in many of his famous paintings of water lilies.

"We also visited Omaha Beach in Normandy. Veterans from our tour group had the opportunity to place a memorial wreath at the foot of the bronze statue facing the American Battlefield D-Day Cemetery titled, 'The Spirit of American Youth Rising From the Waves,' while we sang the National Anthem. In the cemetery, we were interested to learn that on every headstone, there is no date of birth engraved, only the date of death. The thought behind this was that every casualty of this invasion was too young to die. Also surprised to learn how many soldiers died from their D-Day injuries in the months following June 6. In addition to nearly 9,400 war dead, there are almost 1,600 names engraved on the Wall of the Missing facing the cemetery. You come away from this very serene yet solemn location a changed person. Although we personally have no family connection to the D-Day invasion, it was a very moving visit that we will never forget."

Al Gunther impressed us all with his input: "Greetings from scenic Detroit! (Just checking in after nearly 50 years!) I moved to the Detroit area immediately after graduation and have lived here ever since. I've been married to my lovely wife Karen for 44 years. We have three children, Dan, Laura and Julie, along with five grandchildren: Jett (15), Jase (13), Zane (8), Cora (2.5) and Cooper (6 months). Karen and I babysit Cora and Cooper four days a week. I had forgotten how difficult it is to take care of two kids still in diapers — what a chore! We have a small cottage near Lake Huron in the 'thumb' area of Michigan where we typically go to unwind. It's very quiet, cool in the summer and close to a nice beach. I enjoy fishing there as well.

Top to bottom:
Chi Psi fraternity completed a major renovation of its 120-year-old house at 804 Castle Point Terrace last year, funded by its alumni brothers and the national fraternity. Read more in the '75 log.

Stevens alumni and family members spent a day volunteering last September at Medical Bridges, a Houston-based non-profit that provides surplus medical supplies to underserved communities around the world. Medical Bridges' CEO is Walter Ulrich '68.

Al Gunther '76 is a champion powerlifter who took home a gold medal at the National Senior Games in Des Moines, Iowa, last year. Read more from Al in the '76 log.

Top to bottom:
Allen Schrumpf '76 toured France last fall, and among the most unforgettable moments was a visit to Omaha Beach in Normandy. Read more in the '76 log.

Class of '76ers Frank Aiena, left, and Tom Errington reunited last summer near Tom's home in Brick, New Jersey.

"I started my career at Ford Motor Company designing HVAC and Powertrain Cooling components, mostly for pick-up trucks and vans. Nine years later, I left Ford to work at GM, where I became a technical expert in this area. Worked at GM for 25 years but was forced to 'retire' during the bankruptcy in 2009. After leaving GM, I started my own business acting as an automotive consultant, and a sales and engineering representative for automotive suppliers, and offered employee training programs in HVAC and Powertrain Cooling technology. During the pandemic, I began winding down my business and at this point, have pretty much retired from the automotive arena but still teach a couple of math classes per year at a local community college.

"I have a small home gym in my basement, and I've been lifting weights on and off for several years, mostly for health reasons. Two years ago, I discovered that the Michigan Senior Olympics program includes powerlifting as a sport. With more spare time on my hands, I decided to train for this and compete. The competition brackets are based on sex, age and weight. The bracket that I compete in is male, 70–74 years old, under 60 kg. (132.3 pounds). The events include barbell squat, bench press and dead lift (lift the loaded barbell from the floor to a standing position). You have three attempts at each event and are scored based on the total of the highest weights successfully lifted for each of the three events. After setting two Michigan state records, I decided to try the National Senior Games in Des Moines, Iowa, last August. My total there was 530 pounds, which was enough to earn the gold medal for my bracket."

— Frank Roberto
FrankRoberto76@gmail.com

1978

Feb. 23, 2025 — I didn't get any submissions from our classmates for this issue of the *Indicator*, so I will take the opportunity to remind everyone of the big milestone reunion for our class — 2028 will mark 50 years since our graduation! **Ron Hosie** wrote a very nice letter telling us of his 50th high school class reunion that was included in the last issue. Hopefully, that will encourage many of you to consider attending the celebration in early June 2028.

Planning will begin in early 2027 for the reunion. Please send in any suggestions or requests you have for special activities. In the past, classes have taken Hudson River cruises, gone to Broadway shows, baseball games, etc. Send your ideas to me at the address shown at the end of this log, and I will forward them to the other class officers for consideration.

— John Jarboe
jjarboe1@comcast.net

1980

Feb. 17, 2026 — As you can well-imagine, after 45 years of creating this class log, it's not always easy finding things to write about. I reached out to two classmates whom I was happy to see at the reunion and who have since joined the 50th reunion committee. I am appreciative to both **Bob Henderson** and **Joel Wagoner** for responding to my pleas for updates from them!

Joel writes, "After 16 years of doing many projects across U.S., northern Europe and the islands, I taught high school math and science. One of our high school initiatives was developing a coordinated program where students learned the math just before they needed it for science. I developed a third component, with projects designed for students to apply the math and science they just learned. Our team was pleasantly surprised with national recognition for program innovation. We also initiated a partnership program with Seton Hall University in which students earned college credit for two of my advanced courses. I retired after 28 years of teaching 2,500-plus high school students. I miss the kids. I don't miss grading all the papers.

"I continue my 25-year involvement with emergency management in northern New Jersey, teach amateur radio classes and also maintain the farm equipment at our daughter's farm. In addition to keeping the farm tractor and heavy equipment running, there are always some electrical, plumbing, and carpentry projects.

"That's it for now. I am looking forward to sharing our 50th celebration with you all."

Bob Henderson shared, "Hi to everyone from the Class of 1980. I was able to get to Stevens last June for our 45th reunion and got to see some people I have not seen for years, including some old lacrosse teammates. It was great to catch up on life with everyone. If you have not been back in a while, you would be amazed at how things have changed with the campus and in Hoboken over the years since we graduated. I have been back for a couple of alumni lacrosse days where I was able to catch up with some classmates. Hopefully, a good number of us can make it back for our 50th; it would be great to see everyone again.

"My wife Karen and I are empty nesters like most everyone at this point, with three daughters all grown up and living life, in Pennsylvania, North Carolina and Geneva, Switzerland. We recently built a 'retirement' home in Lewes, Delaware, near the beach, but still have a home in New Jersey outside of Princeton for now. I am currently keeping busy coaching lacrosse at the college and high school level, at The College of New Jersey and at a local Catholic high school, Notre Dame, which has allowed me to stay involved in something I have loved since Stevens. I am on the women's side of the sport, and I enjoy it immensely. I hope that for everyone this reaches, you and your families are doing well." Thanks again, Joel and Bob, for your updates!

Although our 50-year reunion won't be celebrated until June 2030, our Stevens journey really began 50 years ago this September. For class logs leading up to the reunion, I thought it would be fun to do a 50-year 'look back' for each edition (Fall and Spring). For my next submission (which will be distributed in Fall 2026), I would love to include any special memories you have of your earliest days on campus or of our first semester in Fall '76. Please feel free to email me with your thoughts and photos, or submit online to: https://www.stevens.edu/directory/development-and-alumni-engagement/stay-informed/stevens-indicator#form. Thanks in advance, and until next time. Take care!

— Kathy Burkholder McCarthy
mccarthykathy93@gmail.com

1981

Feb. 12, 2026 — Dear Classmates, as I sit to write our submission for the Spring 2026 *Indicator*, I look out my window with eagerness for this winter to be over! It's been a tough year all around and the gloomy brutal cold in the East has made it challenging to get out of the house. But as with everything in life, there is always hope. Even the plants that I brought in this winter are starting to show me a bloom or two! And when you read this, I know our trees and flowers will be starting to bloom all around us.

Friends, 2026 marks our 45th anniversary! Life moves fast and being present in each moment is the only gift we must cherish. We hope to see many of you at Stevens in June. You should have been receiving more information from the Alumni Office and our class officers.

Now onto news from our classmates: On Nov. 24, 2025, **JP Durand** wrote: "I sent you a picture a year or so ago of a gathering of some New England '81 alumni. We had another get-together this month at our house in Billerica, Massachusetts. See the photo of the nine of us, with IDs, near this log. **Peter Pfeil** was visiting from California. This is a remnant of the 'North Dorm Wrecking Crew.'"

On Feb. 11, 2026, **Marianna Buzzerio** wrote: "My husband Vince and I continue to enjoy all that the greater San Francisco Bay Area has to offer, especially sailing, fishing, hiking, concerts and plays. I joined an 80-person choir last summer and have stayed on for subsequent seasons. It so reminds me of my Stevens Glee Club days in all the best ways: excellent choir director and arranger; fun themes and setlists; and wonderful community. Thought I'd share some photos of us in Monterey and Carmel this past Thanksgiving. Big hugs! Marianna"

Also heard from **David Ritter** our class vice president: "It's mid-February, and our Upper Midwest/Great Lakes Region is now showing signs of coming out of the deep freeze which has impacted much of the country. We're looking forward to spring and summer while we keep busy with household items, meeting with friends, visiting family, and volunteering in our community. Normally, we would share our latest travel or family news, but we're rather unsure whether anyone would want to hear of our experiences from the Mediterranean cruise we took last year, given global events (if you see me at Alumni Weekend, ask me about our trip!).

"Instead, I feel personally and professionally compelled to say something about the continuing assault on our country from within. We are witnessing an unprecedented erosion of our rights, along with attacks on our own citizens. As a former military officer who took an oath to protect our nation, I am appalled by the rhetoric and actions coming from the executive branch, which are blatantly geared toward retribution, versus serving its citizens. When I received my commission in 1983, it came with an expectation of ethical behavior in all that I did, whether on duty or off.

"Likewise, as engineers and professionals, we are expected to practice honesty, integrity, tolerance and respect in all of our dealings. We strive to make the world a better place and to "serve humanity by making the best use of the Earth's precious wealth" [The Order of the Engineer (1970), United States]. This is why the ongoing actions by our elected and appointed officials appear so blatantly egregious, as they are totally at odds with professional core beliefs, ethical behavior and dignity.

"Watching the Winter Olympics in Milan this week should give us hope. Olympians train for years to compete at a level many of us can only aspire to. Their stories and challenges — as well as how they deal with them — are inspirational. Maybe we can learn some lessons from that, and work toward rebuilding a better government, help our neighbors, lift up the strangers. At the same time, we need to care for ourselves and each other. Far be it from me to preach this, as we know that many views and expectations are slow to change. If you've read this far, I certainly hope to see many of us gathered at Castle Point in June (and possibly July) to celebrate each other from all our walks of life, in a country that has afforded us many opportunities to be successful."

And from our Fall 2025 submission, which due to a Stevens error did not make it to publication: The Fall 2025 log is a bit empty, as I have not received any updates from you to submit. I will share that on my end,

Below:
Bob Henderson '80 and his wife, Karen, left, with daughters Corey and Mackenzie and Mackenzie's husband Joe at a Princeton, New Jersey, wedding last fall. Not shown is Bob and Karen's oldest daughter, Katie.

Above:
The "North Dorm Wrecking Crew" reunited at the home of Mary Anne (Daley) Durand '81 and Jean-Paul (JP) Durand '81 in Billerica, Massachusetts. Gathering, from left, are Kathy and Nick '81 Tamburri, Craig Stevenson '81, Rick Posch '81, John Brisson '81, JP Durand, Tom Heydenburg '81, Mary Anne (Daley) Durand and Peter Pfeil '81.

Right:
Marianna Buzzerio '81 and her husband Vince McPeek live in Benicia, California.

Cara Napolitano ’18 and Tristan Hollenbaugh ’18 stand atop Mount Rainier.

Beyond the Itinerary

Cara Napolitano ’18 and Tristan Hollenbaugh ’18

BY CHARLES O’BRIEN

For Cara Napolitano ’18 and Tristan Hollenbaugh ’18, the path to building a successful travel brand began in 2020 as the couple’s daily life in Hoboken slowed to a halt during the early days of the pandemic.

“We were bored. We didn’t know what to do,” Cara recalls. “So, we thought, what if we went camping?”

Neither had ever been camping before. They searched online for what they would need, packed what they thought made sense and drove north to the Finger Lakes in upstate New York. The trip was at times uncomfortable (it rained during the overnight trip!) and unforgettable because of it. What surprised them most was how much they wanted to do it again.

That moment marked the beginning of TC Travels, the travel and content business the alumni couple now runs alongside full-time careers. Cara has spent her entire post-Stevens career at EY, while Tristan has built his career in engineering, most recently as a sales engineer at Gil-Bar, an HVAC solutions firm.

As their trips expanded from camping to camper vans, from nearby destinations to international ones, their audience widened with them, inspiring them to launch @tc.travels, which now boasts nearly 500,000 followers across Instagram and TikTok and a growing presence on YouTube.

“Some of the DMs that we get [are] people telling us, you inspired us to take our first trip.”

Cara and Tristan turn their trips into practical resources for others looking to travel more intentionally. In addition to sharing planning and destination insights across social media, they offer downloadable travel itineraries (including for Guatemala, Utah and Italy’s Dolomites, as examples) designed to help travelers replicate trips on their own schedules and budgets. They also leverage their ever-growing following to provide value to brands through sponsored content and brand ambassadorships. These partnerships align with the couple’s emphasis on accessibility rather than luxury.

“Some of the DMs that we get [are] people telling us, you inspired us to take our first trip,” Tristan says.

“I think a lot of the times people think vacation automatically means luxury and money,” he says. Their content instead emphasizes short trips (most of their travel is done over long weekends), careful planning and realistic budgets. “There’s ways to do it cheaply, and I feel like people don’t always know that.”

They credit Stevens with preparing them for a life built on constant adjustment. “Stevens taught us the time management needed in order to do this,” Cara says, pointing to the demanding schedules they navigated as students: juggling academics, activities and leadership roles.

Now married, Cara and Tristan continue to grow TC Travels, not as an escape from reality, but as a reflection of it. “We’ve always had that underlying desire to capture a moment,” Cara says, “and really just freeze a moment in time to be able to look back on.” ✦

For more on TC Travels and photos: Stevens.edu/TCtravels

TC.Travels

I have chosen to live life a bit more simply and to focus on the blessings of each day with gratefulness and joy, regardless of the circumstances. It's the most peaceful way to live. I wish you all lots of love, peace and joy. We made a bi-annual trip to Brazil to see good friends and enjoy some great food and nature.

Maybe you can share some of your summer adventures with me for our next log. And as I close this submission, I pray that our hearts be filled with humanity and love for all that our creator has given us. Every part of creation — human, animal, plant, earth — has a purpose, a dignity, and we have a responsibility to treat them all with respect and love. We were educated at Stevens to be responsible citizens and professionals. Let us be the light in the world and start each day, each task, each decision from a position of love. I wish you peace and joy — trusting in the universe that all is well. See you in June!

— Gloria M. Ron-Fornes
gmforne@gmail.com

1986

Feb. 16, 2026 — Michael Zari shared this reminder. "Good day, fellow '86-ers! Greetings from Huntsville, Alabama! I hope all is well with you and yours as we enter the new year. I don't know if you are keeping count, but we are months away from our special 40th reunion year! I am looking forward to seeing as many people as possible up in Hoboken."

Paul E.R. Packbier shared this update: "I had the (rare) opportunity to hook up with one of my fellow Delta Brothers on Guam last June/July. This photo of **Patrick Drennan '85** and me was taken before he and his lovely wife Linda embarked on teaching at the Jesuit High School in Chuuk, Micronesia, for the summer months. Pat has been teaching and coaching at Xavier High School in New York City. It's been about 40 years — less hair and more wrinkles — but having a meal and a beer together was ageless!

— Debi Motler
dmot419@gmail.com

1989

February 20, 2026 — You may know that beyond writing our *Indicator* class updates I have also been involved for many years with our Stevens Alumni Association (SAA). What you may not know is that we are ALL part of the SAA just by being alumni (say what?)! Currently, I am a director on the Alumni Board and also sit on the Executive and Engagement Committees. As a reminder to all of you empty nesters and especially to those already retired and looking for a meaningful endeavor, I encourage you to consider becoming a member of one of the SAA committees. No experience required; being an alum is enough. We need smart, capable, motivated alumni to help us shepherd a rapidly growing alumni base through engagement and class leadership, in particular. I promise you it's a low-level commitment though as with anything, the more you put into something the more you receive. Please reach out to me to learn more! I'd be happy to connect and discuss my experience.

In the vein of connecting, **Vivek Rajgarhia** reached out to the SAA recently and asked if there was an alumni group already established in India. He is now traveling there on a regular basis and wanted to connect with fellow alums. We were able to provide him with a list of folks who currently reside in India, and he was off to the races. Vivek is even considering starting a more formal alumni group there. This is an excellent example of the power of Stevens connections!

Vivek writes, "A few years ago just as I thought it might be time to slow down, life instead accelerated. I now travel to India every other month for a high-speed photonics connectivity venture I founded called CloudPhotonix, based outside New Delhi. This effort also includes two fellow Stevens '89 alumni, **Mukesh Majithia** and **Sunil Shah**. My wife, **Huynh Nga (Nguyen) '90**, and I divide our time between Jacksonville Beach, Florida, New Jersey and Los Angeles.

"Our family keeps us happily on the move as well. Our oldest daughter, Ananya and her husband Kwanpo, live in Pittsburgh where she made a career transition from software engineering to fitness coaching and now also coaches

Above:
Enjoying a Beta Theta Pi fraternity golf outing last summer, front row from left, were Mark DeVries '88, Steve Davis '85 and Mark Kudlacik '88. Back row, from left: Doug Lionetti '86, Chris DiGerolamo '86, Gregg Davis '84, Peter Ahimovic '86 and Steve Heck '85.

Second from top:
Dela Tau Delta fraternity brothers Patrick Drennan '85, left, and Paul E.R. Packbier '86 met on Guam last summer. Read more in the '86 log.

Third from top:
Enjoying the Houston Club's holiday party last December, from left, are Ann Terrell M.S. '96 and her husband Tommy Terrell, Matt Ryan '81 and his wife, Linda, and Stevens President Nariman Farvardin.

Above:
Vivek Rajgarhia '89 enjoys a day at Universal Studios Hollywood with his son, Ashaan, wife Huynh Nga (Nguyen) '90 and daughter Ashali.

Top to bottom:
Peter Harris '88, left, superintendent of the PATH's Harrison Car Maintenance Facility, and Tak Ishigami '93, director, Engineering, with the Kawasaki Rail Car Inc., have worked together on a railcar project for more than 20 years. Learn more in the '93 log.

Walter Edgar '93 and his wife Karen attended the Houston Club holiday party last December.

Middle and above:
John Koch '09 and Timothy Garner '08 met in New Orleans to savor the city's many joys, including a ride aboard the Creole Queen paddlewheel boat along the Mississippi.

Alex Bachowski '09 has been named CEO of Long International. Read more in the '09 log.

Carnegie Mellon University's women's club soccer team. Our son, Ashaan, will soon graduate with a master's degree in legal and forensic psychology, and our youngest daughter, Ashali, is pursuing her master's in psychology at UCLA.

"On the personal front, **Huynh Nga** has fully recovered from knee replacement surgery and is back on the pickleball and volleyball courts. I, meanwhile, am doing my best to keep my golf handicap 'respectable' while playing in New Jersey, Florida and India."

I do remember **Huynh Nga**'s fierce volleyball finesse at Stevens. I'm sure she is better than ever! Thanks, Vivek, for taking time out of your busy life to send me an update. I also asked Vivek if our kids might connect since they have psychology pursuits in common; Vivek was happy to oblige. Another example of the power of Stevens connections. Hopefully your mind is adequately blown right now. :) Thanks for reading!

— Dawn Madak
dawnmadak@gmail.com

1993

Dec. 5, 2025 — Here's an update — and a great Stevens connections story! — from **Tak Ishigami**.

Tak works for the Kawasaki Rail Car Inc. in Yonkers, New York, which has been supplying railcars to Port Authority Trans-Hudson (PATH) since 2005. **Peter Harris '88** is superintendent of PATH's Harrison Car Maintenance Facility. The two have been on this railcar project together for 20 years. In the photo accompanying this log, Tak is visiting PATH's car maintenance shop for a modification work, and Peter had stopped by to check on the progress.

From Tak: "I started as a rookie systems engineer to manage Kawasaki's suppliers for systems integration. Peter and I have sat across the table from each other from the very beginning of the project and have gone through numerous design meetings. Kawasaki delivered 350 cars to PATH in 2011 under the first project. Under the second project, Kawasaki delivered another 72 cars to PATH in 2024. Even after all cars were delivered, Peter and I still get to see each other occasionally in the field and in the office to solve technical issues. However, the project is coming to closure soon. I am sure I will miss Peter's company at work."

— The *Stevens Indicator*
alumni-log@stevens.edu

2000

Feb. 17, 2026 — Cheers to 26 Years!

Can you believe it's been over a quarter-century since we left Castle Point? It's time to trade the library desks for bar stools as the Stevens Class of 2000 celebrates our 26th Reunion! Join us on June 5 at Departed Soles Brewery in Jersey City for an evening of craft brews, nostalgia and catching up with the people who made those four (or five!) years unforgettable. Whether you've stayed in the Mile Square City or haven't been back to the 07030 ZIP Code in years, we can't wait to see where life has taken you.

The Details:

When: June 5, 2026

Where: Departed Soles Brewery, Jersey City

What: Great beer and better company

RSVP/Info: www.linkedin.com/groups/14588905

— Craig Polk
polk.craig@gmail.com

2008

December 14, 2025 — Timothy Garner shared this update.

"**John Koch** (2009, BE, ME) and **Timothy Garner** (2008, BE, ME) traveled to New Orleans together for a few days in December 2025. They enjoyed eating in some of the old restaurants in New Orleans, visiting the National WWII Museum, riding the streetcars and taking a riverboat cruise to see the site of the Battle of New Orleans. This picture was taken aboard the Creole Queen paddlewheel boat on the Mississippi River."

— The *Stevens Indicator*
alumni-log@stevens.edu

2009

Jan. 2, 2026 — Alex Bachowski shared this update about his promotion to CEO of the Long International consulting firm.

"Long International announced that Alex Bachowski has been promoted to chief executive officer, effective January 1, 2026. Mr. Bachowski has been a key leader at Long International, bringing deep industry expertise, strategic vision and a strong commitment to client success. In his expanded role as CEO, he will oversee the firm's global operations, strategic growth initiatives and continued focus on delivering exceptional value to clients.

"Alex has consistently demonstrated outstanding leadership and a clear vision for the future of Long International," said Andrew Avalon, chairman. "His promotion to CEO reflects both his proven track record and the Board's confidence in his ability to lead the firm into its next phase of growth."

"I am honored by the opportunity to serve as CEO of Long International," said Mr. Bachowski. "I look forward to building on our strong foundation, working closely with our talented team and continuing to deliver trusted expertise and results for our clients worldwide."

— The *Stevens Indicator*
alumni-log@stevens.edu

2013

Sept. 15, 2026

New Frontiers:
From MedTech to Fatherhood

It was a pleasure catching up with my good friend **Barney Alvarez** to see how life has treated him since our days in the same campus clubs (a duo that, much like a good Stevens education, has only become more valuable with age). Most recently, Barney is celebrating two major milestones: a life-saving career achievement and a brand-new addition to the family.

The biggest news is the "Girl Dad" era. Barney recently welcomed a baby girl, a milestone he says he's been looking forward to since well

SU+RE House alumni reunite at the house, which is based at Liberty Science Center, Jersey City, New Jersey.

House photos: Liberty Science Center

REMEMBERING SU+RE HOUSE'S TRIUMPH

Last fall, members of one of the most lauded student teams in Stevens' history marked the 10th anniversary of their momentous victory, gathering inside the award-winning solar house they built, known as Sustainable+ Resilient House, or SU+RE House.

The storm-resistant, energy-efficient house captured top honors at the U.S. Department of Energy Solar Decathlon 2015, besting more than a dozen university teams from around the world. In 2018, SU+RE House found a home as a permanent exhibit at Liberty Science Center in Jersey City, New Jersey, which attracts more than 800,000 visitors a year.

More than 30 Stevens students spent more than two years designing and building the house on the Hoboken waterfront. So when about 20 of them reunited this past November, their conversations were rich — catching up on their lives and reflecting on the impact of building SU+RE House together, says former team member A.J. Elliott '15.

Many now work in the sustainability and renewable energy industries, on everything from new approaches to high-efficiency HVAC systems to utility-scale solar systems to renewable timber prefabricated home building, Elliott says.

"It was clear to see how much the SU+RE House project impacted the lives and career trajectories of everyone involved," he says. "The SU+RE House was one of the most intense yet rewarding projects we've had the opportunity to work on."

— Beth Kissinger

MORE
Lsc.org/surehouse

Top to bottom:
Bianca Costa '15 has published two children's books inspired by her sons Colsen, left, and Cavin.

Maris Mackanin, daughter of Simone Virani-Mackanin '17 and Tyler Mackanin '15, was born in October 2025.

Jake Coumans and Nicole Fosko, both Class of 2018, got engaged last October and plan to wed in April 2027.

before he even met his wife, Alex. While the shift to fatherhood can be a whirlwind, Barney says the transition felt "just right," and he has already fully embraced the role. His favorite highlight so far? A solo shopping trip to pick out her first outfits, proving that the eye for detail he developed at Stevens translates surprisingly well to infant fashion.

The Alvarez family isn't letting the new arrival slow down their adventurous spirit, either. Rather than hitting the brakes, Barney and Alex have focused on integrating their daughter into the active life they loved before her arrival. They have already taken her camping, to the gym, and even to ski resorts where Barney and his wife take turns hitting the slopes. It is a masterclass in work-life-adventure balance, and the trio is already eyeing a family cruise for later this year.

Innovation at Stryker

On the professional side, Barney is making an incredible impact as a Research and Development manager at Stryker's Neurovascular Division. His leadership is literally life-saving; his team is dedicated to developing medical devices specifically designed to treat strokes. Last year, they reached a major pinnacle by successfully launching an innovative new catheter that is already saving lives across the U.S. Barney is now focused on the global rollout, aiming to bring this critical technology to patients worldwide.

Reflecting on his time at Castle Point, Barney notes that the most valuable lesson wasn't necessarily memorizing every equation, but knowing they exist. "Exposing myself to different areas of knowledge has been more beneficial than specializing in one," he says, noting how often he returns to those Stevens fundamentals to solve complex problems at work.

Advice for the Ducks of Tomorrow

When asked what advice he'd give to current students or recent grads hitting their own milestones, Barney's message was simple: Network, network, network. Whether you are an introvert or an extrovert, he emphasizes being purposeful with your connections. It's a strategy that has helped both him and his wife advance their careers, find new opportunities and even successfully relocate. As Barney puts it, you never know when a connection made at Stevens will be the one that changes your trajectory.

— Armand Rook Reyes
armandrookreyes@gmail.com

2015

February 17, 2026 — Tyler Mackanin and **Simone Virani-Mackanin '17** shared this joyful update: "Maris Mackanin was born in October 2025 and has already filled our days with more joy than we ever imagined. She loves to smile and laugh, is rolling all over the place, and keeps us on our toes with her growing curiosity. At bedtime, she won't drift off without listening to 'Clair de Lune' — her favorite lullaby and the perfect end to her busy days."

Bianca Costa has published two children's books! Here's an update on her life and work:

"When Bianca Costa graduated from Stevens in 2015 with honors from the business school, she envisioned a career built on leadership, impact, and creativity. What she did not expect was that one of her most meaningful accomplishments would begin years later, not in a conference room, but at home with her two young sons.

"Today, Costa serves as a vice president and automation lead in Wealth Management at JPMorgan, where she balances a demanding career with life as a mother of two. That balance, and the everyday moments that come with it, became the inspiration behind her growing collection of children's books.

"Last year, Costa published *Not A Bedtime Story*, a playful and imaginative book inspired by her eldest son, Colsen. The story quickly resonated with families for its humor, warmth, and ability to turn a nightly routine into something children looked forward to.

"This year, Costa released her second book, *Not A Potty Time Story*, inspired by her youngest son, Cavin. Like her first book, the book is rooted in real life, capturing the small but powerful moments that define early childhood. What began as a lighthearted way to ease

a stressful phase at home grew into a story that helps children feel confident, supported, and proud as they learn an important new skill.

"Rather than focusing on pressure or perfection, *Not A Potty Time Story* uses imagination and humor to help children approach potty training with curiosity instead of fear. Parents have praised the book for reducing power struggles and creating positive routines, while children connect with the playful tone and relatable characters.

"Costa credits her time at Stevens with shaping the mindset that allowed her to pursue both a corporate career and a creative path. 'Stevens taught me how to think strategically, manage projects and follow through,' she says. 'Those same skills are what made writing and publishing these books possible.'

"Beyond storytelling, Costa has also committed to giving back. A portion of the proceeds from both books is donated to UNICEF, reflecting her belief that even the smallest stories can create meaningful change."

— The *Stevens Indicator*
alumni-log@stevens.edu

2018

Jan. 13, 2026 — **Nicole Fosko** shared this update. "**Jake Coumans** and **Nicole Fosko** (both BME Class of 2018) are excited to announce their engagement! After several years of long-distance, we moved in together in Manhattan in the summer of 2025 and got engaged in October 2025. The wedding will take place in Point Pleasant, New Jersey, in April 2027."

— The *Stevens Indicator*
alumni-log@stevens.edu

2019-2020

Jan. 7, 2026 — **Madison Telles-Pedersen '19** and **Dr. Kristine Pedersen '20** wed on Oct. 10, 2025, at the Abbey Inn and Spa in Peekskill, New York. Stevens friends — alumni, faculty and staff — gathered on a brilliant fall day to celebrate the couple, who were wed by Dr. Sara Klein, vice president for Student Affairs at Stevens.

Madison works as a senior mission assurance engineer at Millennium Space Systems, and Kristine is an optometrist at EyeCare Specialties of Colorado. They live in Aurora, Colorado. Madison and Kristine met during their new student Orientation at Stevens and lived a few doors down from each other in Davis Hall.

See some photos from their special day near this class log! Stevens friends who attended their wedding included: **Julian Hernandez '20**, owner of Sty Studios, LLC; maid of honor **Ann Collins '19**, portfolio manager at DARPA TTO; Dr. Kristyn Karl, Stevens associate professor, School of Humanities, Arts and Social Sciences (HASS); Dr. Lindsey Cormack, HASS associate professor; Chris Shemanski, director of the First-Year Experience at Stevens; **Alex Reina '20, M.Eng. '21**, Entertainment Division project manager at KCI; bridesman **Adrian Castellanos '22, M.Eng. '23**, traffic engineer at AECOM; and **Hailey Tanner '21**, Ph.D. candidate at Princeton University, along with several other Stevens alumni.

— The *Stevens Indicator*
alumni-log@stevens.edu

[QUICK BYTE]

Alumna Vandna Rajpal '25 earned first place at the D3CODE 2025 Global Hackathon for developing PRISM, an AI system designed to deliver secure, governed data insights. The project demonstrates how AI can provide secure, governed access to complex data.

Top:
Dr. Kristine Pedersen '20 and Madison Telles-Pedersen '19, holding the Stevens banner, wed last October in Peekskill, New York, in a ceremony attended by many Stevens friends. Dr. Sara Klein, vice president for Student Affairs at Stevens, third from left, wed the couple. Read more about Kristine and Madison and their guests in the '19-20 log.

Bottom:
Kristine, left, and Madison beam on their wedding day.

Vanguard

Part of a Merck research team honored with the 2026 American Chemical Society Award for Team Innovation, **Rekha Gangam '17** helped develop new manufacturing processes for the cancer drug belzutifan. The work accelerated delivery of the therapy to patients and demonstrated how biocatalysis can advance sustainable pharmaceutical manufacturing.

Broadcast engineering pioneer and multiple Emmy Award winner **Mark Schubin '71** received the Charles F. Jenkins Lifetime Achievement Award at the 77th Engineering, Science & Technology Emmy Awards. The honor recognizes decades of contributions to television technology, including innovations in live production and work on projects such as the Metropolitan Opera's Live in HD series, where he is engineer-in-charge. Schubin has lent his technical expertise to the Metropolitan Opera for more than 50 years.

Graduate Log

Andrew Pappachen M.S. '80 received the 2025 Good Samaritan Award from the Global Malayalee Christian Forum in Kottayam, Kerala, India, in January. The award celebrates his commitment to the Indian diaspora, acknowledging over 30 years of service and leadership. Migrating to the United States in 1973, Pappachen worked for the City of Newark, New Jersey, from 1974 to 2018, as chief engineer, director of operations for the Newark Watershed Conservation and Development Corporation and director of public works. He later served as environmental commissioner in Montville Township, New Jersey, and is currently an environmental consultant. Pappachen is the founder, former global president and chairman of the World Malayalee Council, a non-political, non-sectarian community organization focused on fellowship, cultural connection, social support and professional networking among Malayalees across borders, and has held leadership positions at the Kerala Center New York and Asia Society, among others.

Michael Beckerle M.S. '88 was profiled in the Feb. 17, 2026, issue of *The Rockland Business Journal*. Beckerle is the third generation of his family to run the Beckerle Lumber Supply Company, with his brothers Larry and Stephen. The building materials supplier operates locations in Congers, West Nyack, Orangeburg and Haverstraw, in New York state. The company was founded in 1940 by Beckerle's grandfather in Spring Valley, New York; the family previously ran a lumber business. Beckerle was also recently named chair of the Rockland Business Association's Board of Directors.

John Baylouny M.Eng.'91 has been named president & CEO of Leonardo DRS, a defense technologies company. Baylouny has more than 35 years of experience with the company, in senior leadership, engineering, design, operations and P& L leadership roles. Most recently, he served as chief operating officer. Prior to that, he served as chief technology officer and earlier served as general manager of the company's Land Systems and Advanced ISR businesses, among other leadership roles. Leonardo DRS Inc. specializes in multi-domain capabilities across next-generation advanced sensing, network computing, force protection and electric power and propulsion.

William T. Ward M.Eng. '18 received the Vietnam Service Medal last November more than 50 years after his service in the Vietnam War. Ward, who served four years of active duty with the Air Force, received the honor during a ceremony at the Harold Daley VFW Post 1333 in Neptune, New Jersey. Ward's service included deployment with the Air Force's 388th Supply Squadron stationed at Korat Royal Thai Air Force Base in southern Thailand. "It's very personal," Ward told NJ.com. "I can now stand next to my fellow Vietnam veterans, shoulder to shoulder with them." Ward has received several medals but could not be decorated quite like his fellow veterans during the most solemn or celebratory occasions. When his efforts to obtain the medal were fruitless, he turned to U.S. Rep. Frank Pallone-NJ and his office, who eventually were successful. Ward later worked as a civilian Army employee; with the Rose Center for Earth and Space at the Museum of Natural History in New York and the National Civil War Museum in Harrisburg, Pennsylvania; and designed and built sets for stage productions. In his retirement, he takes care of Post 1333's IT needs.

Adilah Khan '00 M.Eng. '24, an engineer with the Naval Undersea Warfare Center Division Newport's Sensors and Sonar Department, was commissioned as an ensign in the U.S. Navy Reserve during a ceremony last summer. Khan has been employed at Division Newport, Rhode Island, since December 2020. Hired as a technical direction agent engineer, her first projects involved supporting the littoral combat ship program. In July 2022, Khan became an in-service support engineer for surface ship undersea warfare. Khan has been preparing for a year-long field team assignment with the Office of Naval Intelligence, Suitland, Maryland.

Vitals

REMEMBRANCES

Emmi Hauser Fischl, a refugee from Nazi Germany who became the first female instructor at Stevens, died on May 4, 2025, at the age of 103.

Born in Bavaria, she fled Germany for the U.S. and was taken in by family members in Chicago. She worked several jobs to pay for her education, earning a bachelor's degree from Illinois College and a master's degree from Pennsylvania State University.

Fischl was hired by Stevens as a physics instructor in 1947 and taught laboratory courses. She worked with Stevens from 1947 to 1951 until her daughter Jacky was born. She later became a Fortran programmer.

To honor her legacy, her daughter has established the Emmi Hauser Fischl Scholarship to support outstanding Stevens students with financial need. Besides her daughter, Fischl is survived by a son, Robert. She was predeceased by her husband, Fred Fischl, and her son, Peter.

Read more: stevens.edu/efischl

Francis (Frank) T. Jones, a professor of chemistry and longtime department chair and director at Stevens, where he served for 51 years, died on April 1, 2025.

Jones was known as a dedicated teacher and mentor and helped develop Stevens' Chemical Biology program alongside his wife, Dr. Nuran Kumbaraci-Jones, whom he met there. The program, designed to prepare students for careers in medicine and dentistry, expanded to include graduate and doctoral programs and influenced similar offerings at other institutions.

Jones also served as the secretary of the faculty at Stevens and was known for protecting academic freedom.

Besides his wife, he is survived by his daughters Anne and Marian, and their families.

Read more about Jones and his enduring impact on generations of Stevens students on page 7.

Steven Shulman '62 M.S. '63 Hon. D.Eng. '02, a distinguished entrepreneur, philanthropist and Stevens trustee, died on Dec. 8, 2025.

Shulman founded The Hampton Group, becoming an investor, adviser and board member for companies across the U.S. in industries ranging from manufacturing and aerospace to food supply, real estate and medical technology.

Shulman was a longtime member and vice chair of the Stevens Board of Trustees and endowed the Steven Shulman '62 Chair for Business Leadership at Stevens. He received the Stevens Honor Award in 1990 for his outstanding career achievements, and in 2017, he was honored with Stevens' Outstanding Contribution Award.

In honor of his late first wife, Shulman created the Pamela Shulman Professor of European and Holocaust Studies at the University of New Hampshire.

He was predeceased by his first wife, Pamela. Surviving are his wife, Annabelle; three sons; a daughter; and eight grandchildren.

Notices received from 8/26/25 to 3/2/26.

BIRTHS

To Simone Virani-MacKanin '17 and Tyler MacKanin '15, a daughter, Maris, in October 2025.

MARRIAGES

Madison Telles-Pedersen '19 and Dr. Kristine Pedersen '20 on October 10, 2025.

OBITUARIES

1940s

F.E. Straus '49

1950s

L. Haman '50
V.F. Raque '50
H.J. Campbell '51
R.D. Grinthal '51 M.S. '55
D.L. Heller M.S. '53
W.R. Mook, III '53
A.J. Shashaty '53
G.H. Heim '54
T.J. Martines '54
C.E. Bodemann, Jr. '55
E.D. Williamson '55
D.J. Farber '56 M.S. '61 Hon. D.Eng. '99
T.J. Goyette '56
R.B. McFiggans '56 M.S. '63
J.J. Petraccoro '56
S.G. Krehley '58 MMS '68
E.J. Rapoza '58
L.W. Fagel '59
D.J. Lang '59

1960s

B.J. Bartlett '60
R.J. Blackburn '60
C. Diament '60
P.L. Fritch '60
A. DeVito '61
E.J. Griffin M.S. '61
E.J. Messikian '61
W.J. Ullrich '61 M.Eng. '65
G.J. Veth M.S. '61
J.P. Baccoli M.S. '62
S. Shulman '62 M.S. '63 Hon. D.Eng. '02
D.F. Isola '63
R.H. Steiner '63
F.A. Wilhelm M.S. '63
R.J. Woodward M.S. '63
C.R. Ellison, Jr. M.S. '64
D.J. Kalisch '64
R.A. Derechailo M.Eng. '65
J. Rennie M.S. '65
J.J. Tracy MMS '65
A.R. Black, III '66 M.Eng. '71 Ph.D. '88
V.J. Klimpl MMS '66
C.M. Minervino '66 M.Eng. '68
R.H. Darwent MMS '67
D.E. Daume '67 M.Eng. '68
R.V. Kieronski M.Eng. '67
E.A. Segali, Jr. '67
W.F. Taylor Sc.D. '67
J.P. Bailey M.S. '68
D.H. Boyd '68
C.G. Carvell MMS '68
C.K. Gierman '68
R. Hooker, III '68
J.R. Nevarez M.Eng. '68
S. Starrick M.S. '68
D.W. Price M.Eng. '69

1970s

B. Elson '70
F.S. Genovese, Jr. '70
S.A. Pekarsky '70
H.R. Van Handle '70 M.Eng. '74
J.M. Kilian '71 MMS '76
L.D. Morda '71
A.M. Ratner '71 M.Eng. '71 Ph.D. '83
R.R. Torsiello '71 M.Eng. '73
J.M. Umberto '71
A.M. Deraney '72
K.E. Kiseli '72
H.M. Mellett MMS '72
R.J. Patala, Jr. '72
E.P. Ryan '72
S.I. Pearlman '73 M.S. '83
B.M. Pokora '73
P.L. Sautter M.S. '73
R.S. Cascone '74 M.Eng. '77
N.J. Dorans '74
J.A. Ortiz M.Eng. '74
C.H. Otto '74
R.F. Perricelli MMS '74
R.E. Regna M.Eng. '74
L.J. Schembre MMS '74
P.J. Kublickis '75
R.M. Seninsky '75
P.M. Synefakis M.S. '75
H.A. Huber M.S. '76
M.A. Lopez De Bertodano '78
M.E. Young '78
R.J. Gollmann M.S. '79
C.L. Liss '79

1980s

M.C. Mercer, Jr. M.S. '80
C.S. Schwinger '82 M.S. '01
R.J. Boyhan MMS '83
E.I. Adams '84
C.E. Starks, III M.S. '84
G. Serpikov, Jr. '85
W.L. Wong '85
E. LaMagna M.S. '86
G. Viglino M.S. '87
W.R. Dombrowski '89
C.P. Nguyen '89

1990s

J.W. Colagrande, Jr. '90 M.Eng. '94
J. Stevenson '91
P.R. Gimbel '93
E.M. Powers M.S. '96
J.A. Zebrowski M.S. '96
S.R. Antoine M.S. '98

2000s

T. Gaffney M.S. '01
C.E. Johnson M.Eng. '04
E. Verboon M.Eng. '07
J. Katigbak '12 M.Eng. '12
Y.T. Tang '17
T.J. Demetri '18
K.D. Rexer '19
L. Patibandla M.S. '25

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R. Ashmen
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Out of the Archives

Enduring Flight: Alexander Calder

BY BETH KISSINGER

Alexander Calder (Class of 1919) — who changed the world of art — died 50 years ago this fall. But the works of the man who originated the mobile — suspended, kinetic sculpture — soar in the 21st century. Calder's creations have been exhibited worldwide and reside in numerous spaces across the globe. Calder Gardens, an art institution devoted to his work, opened in Philadelphia in 2025, with 2026 marking the 100th anniversary of his work of performance art, "Cirque Calder," recently at the Whitney. At Stevens, his art and artifacts inspire. ✦

1. STEVENS MOBILE

Calder created "The Stevens Mobile" for the Samuel C. Williams Library's Great Hall; it was installed in 1970, one year after the library's grand opening. His sculpture, "Hard to Swallow" (1966), donated by his widow Louisa Calder, is exhibited on the library's second floor.

2. *THE LINK* YEARBOOK, 1918

"Sandy" Calder's senior entry mentions his Delta Tau Delta fraternity membership and his exuberant play on the lacrosse and football teams. But it mostly reveals his mischievous nature: "a blithe heart makes a blooming visage."

3. SCRAPBOOK

Sherman Loud (Class of 1921), grandson of Stevens' then-President Alexander C. Humphreys, photographed young Calder on campus in 1915. Loud's granddaughter Kay Ciganovic donated his scrapbook to Stevens as part of the Alexander C. Humphreys Collection.

4. LETTER

Calder wrote to George P. Rettig (Class of 1930) in June 1939, discussing his "Water Ballet" fountain designed for the 1939 World's Fair. Rettig, who worked as an engineer at the fair, later became a beloved Stevens professor.

5. STAMP

In 1998, to mark the 100th anniversary of the artist's birth, the U.S. Postal Service issued five 32-cent Alexander Calder commemorative stamps on March 25, featuring five of his sculptures.

6. TRANSCRIPT

Calder's student transcript shows particularly strong grades in discrete geometry, mathematics, mechanical drawing and logic. He graduated with the degree of Mechanical Engineer, as all Stevens undergraduates did up until the late 1950s.

More: **calder.org**

library.stevens.edu/archives

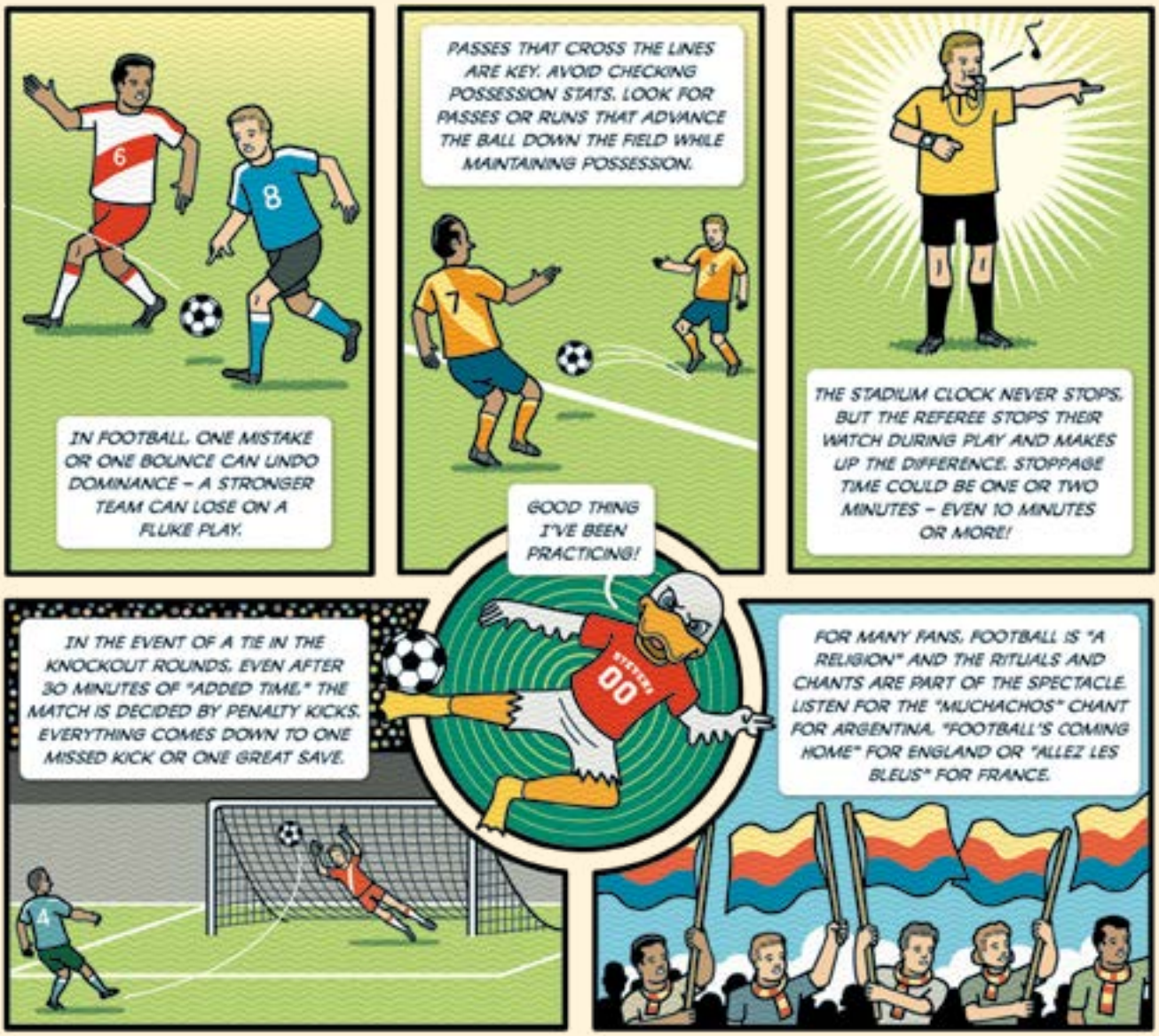
The Solver

MORE
Stevens.edu/ExpandedSolver

Insights into the World Cup

BY CHARLES O'BRIEN

Most fans follow the score. Fewer notice the speed, tactics and moments that actually shape a match. Self-professed "sports nut" **Nick Semaca '80**, an investor in professional football clubs in England, Germany and the U.S., shares insights to better understand a World Cup match.



Peter + Maria Hoey

CONNECT TO WHAT MATTERS

Find Your Place to Get Involved

Mia Vellon ’22, founder of Iridescent Money, is on a mission to empower both current and future Stevens alumni to build confidence and clarity in their financial lives.

“My workshops are designed to inspire attendees to take that first small step toward building wealth. I am so excited to bring my unique philosophy to the Stevens community!”

– Mia Vellon ’22

Last year, Mia volunteered her time to lead a money-management workshop at the 2025 Stevens Leadership Conference. In 2026, she’s giving back again – this time hosting a series of webinars, only available on **StevensConnects,** designed to help participants bring mindfulness, intention and practical strategies to personal financial planning.

Mia found her place as an alumni volunteer. Where will you find yours?

Explore ways to get involved at **stevens.edu/alumni-volunteers**

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CHANGE SERVICE REQUESTED

MEMENTO

The Beloved Community

More than 750 students, faculty, staff and alumni reaffirmed Dr. Martin Luther King, Jr.'s call for justice, service and collective responsibility at Stevens' fifth annual MLK Week of Service in January. They gathered for educational programs, a keynote talk, the MLK Oratorical Contest and numerous service projects. Here, volunteers made 250 sandwiches for the Hoboken Shelter, including caring notes to people experiencing homelessness and food insecurity.

More: Stevens.edu/MLK26

Jeff Vock