The Stevens Indicator

WINTER 2011-2012

THE MAGAZINE OF THE STEVENS ALUMNI ASSOCIATION

40 Years of Women Undergrads
Alumni Weekend 2012
June 1, 2, 3

❖ 'State of Stevens' Address
❖ Alumni Luncheon
❖ Reunions
❖ Alumni Dinner Dance
❖ Cocktail Parties
❖ Family Fun

For more details, call 201-216-5163 or visit alumni.stevens.edu.
14 Stevens Goes Truly Co-ed

In 1971, the first female undergraduates stepped on the Stevens campus and the Institute made history. Celebrate the past 40 years as you read profiles of inspiring Stevens alumnas.

By Beth Kissinger, Editor; Lisa Torbic, Associate Editor, and Stevens Office of News and Media Relations

On the Cover—Since September 1971, women have been admitted as undergraduates at Stevens—an historic moment that changed the face of the campus forever.

PHOTO: JEFFREY VOCK

Features

27 Leading the Lab

Birnur Aral, M.Eng. ’90, Ph.D. ’96, heads product testing for Good Housekeeping Research Institute.

By Lisa Torbic, Associate Editor

28 Reaching for the Stars

John G. Puente, M.S. ’60, recalls his extraordinary career as a telecommunications satellite pioneer and entrepreneur.

By Beth Kissinger, Editor

30 A Winning Investment

Generous gift from financial services CEO Sean Hanlon ‘80 helps to create a financial systems lab on campus.

By Paul Karr, Special to The Stevens Indicator

34 Wanted: Future Engineers

Phil Kimball ’62 searches for the next generation of scientists and engineers.

By Lisa Torbic, Associate Editor

36 Playing the Field

Another great fall season ends as Ducks finish particularly strong in soccer, tennis.

By Robert Kulish, Stevens’ Director of Sports Information and Events

38 The Kindness of Strangers

Former Air Force Capt. Edward Egan ’40 shares a letter that he wrote to his sweetheart almost 67 years ago, recalling a crash landing in the Philippines—and the people who cared for him and fellow servicemen—during World War II.
Dr. Xiaoguang Meng, professor of Environmental Engineering at Stevens, visited Bangladesh this past fall to test his water filtration methods—the fifth trip he’s made to the country since 1999. Here, he tests a column filtration system for removal of manganese and iron from groundwater during his most recent trip.
Presidents’ Corner

Dear Fellow Alumni and Friends,

It seems that I have started several of these columns with some sort of metaphor, but as the bitter winter is fading into spring and we will soon see all of the blooming plants, growth and beauty around us, I cannot help but think about all of the amazing growth at Stevens.

President Nariman Farvardin has not yet been here a full year, but already he has had a dramatic impact on our campus, our student body, our reputation and on all of us—the alumni. His Initiative for Excellence and his call to make this decade “The Stevens Decade” have been met with so much enthusiasm; it is truly a turning point for our alma mater. I want to thank so many of you who have risen to the challenge that President Farvardin has put out there and given of your time, your financial support and your ideas to help move Stevens forward. I know that we will keep it up and that even more of you will get involved.

It is also fitting that as we embark on so many exciting things for Stevens, we reflect on a significant part of our history: 40 years of undergraduate women at Stevens. For so many of us alumni, it’s hard to picture Stevens without women since they were (and are) so influential in all of our organizations, teams, faculty, administration and alumni when we were students, but it is actually not that long ago that Stevens was an all-male undergraduate student body. As you will see from the amazing profiles in this magazine—and the many more to come in future issues—Stevens’ history would be much less rich without the women who are members of the Stevens Alumni Association.

The Stevens community is also very deep into the strategic planning efforts for the university. You can find the latest information at www.stevens.edu/strategy. So many of you attended the Town Hall meeting concerning this effort last November, and many of you have joined the subcommittees, and we appreciate all of the support. Please make sure to sign up for a focus group on the strategic planning website and get involved if you want to affect upcoming years of innovation at Stevens.

Another person who is making a significant impact on our university right out of the gate is featured in this issue. You can read a profile of one of our newest Stevens Board of Trustees members and fellow alumnus Sean Hanlon ’80 who, in addition to all of his board duties, is using his success and experience to help build the financial engineering labs and curriculum of this school—yet another Stevens innovation.

In a few short months, we will have the first Alumni Weekend with Dr. Farvardin as president and, for this reason, this Alumni Weekend (June 1, 2 and 3) is not one to be missed. More information will be coming shortly, but I hope to have record-breaking attendance this year to show Dr. Farvardin just how much we all love this school and appreciate everything he is doing for her.

Mark I. LaRosa ’93
President, Stevens Alumni Association
larosam@alumni.stevens.edu
Springing forward to new heights: an update

Dear Alumni and Friends,

As we look forward to spring and the exciting time leading up to the Stevens Commencement, I want to update you on the progress that we’re making to improve your alma mater—and to thank you for all that you do to make the university a better place.

This past winter, I’ve met so many alumni, both on campus and throughout the country, who have shared their knowledge of Stevens, their valuable ideas and their support, for their alma mater and of me personally. To all the alumni I’ve met in Washington, D.C., California, Texas, Georgia, New York and right here in New Jersey and Hoboken, to those whom I’ve spoken with over the phone and met with individually, thank you—for your great insight, your involvement and your love of Stevens. You have my deepest gratitude for the warm reception you have given me.

At Stevens, we have spent a very productive winter on our path to taking Stevens to even greater heights of achievement. The university’s strategic planning process is progressing well, with involvement from an outstanding committee that represents a wide swath of the Stevens community. They have received an abundance of excellent ideas as we chart Stevens’ ascent over the next decade. For more information, please visit www.stevens.edu/strategy. We have also begun the process of master planning, with another exemplary committee from the Stevens and Hoboken communities. This committee will develop the Stevens Master Plan to address a variety of needs, from capital construction to goals for sustainability. We are a determined group, and I pledge that these important efforts will lead to concrete action, to make Stevens a much stronger, more vibrant university, serving future generations of young men and women for many years to come.

In the fall of 1971, women entered Stevens as undergraduates for the first time and changed the face of the university forever. That first class was an extraordinary group of women who paved the way for many outstanding Stevens alumnae over the next four decades, among them top engineers, scientists, executives, educators and entrepreneurs. You can read the stories of some Stevens women from the past four decades in this issue. Stevens has made great strides in promoting the role of women and increasing their participation in campus life over the past 40 years. But much more work remains to be done. To enhance the status of women at Stevens, I have formed a Presidential Commission for the Advancement of Women at Stevens. This 18-member panel, which includes Stevens alumnae, professors, administrators and students, will make recommendations to help make Stevens a more supportive and nurturing environment for women. It will also offer insight into how to increase the number of female students and faculty on campus. The Commission will prepare its recommendations by the end of this academic year, and the entire Stevens community anticipates their important report.
The President’s Initiative for Excellence—the three-year fundraising effort to improve the student experience, from scholarships to improved facilities—continues to enjoy strong support from you, our Stevens alumni. As of February 2012, we were well on our way toward exceeding our target of raising $8.5 million during this fiscal year. If you have joined us on this journey, thank you so much for your generosity. I invite all alumni to join us; any way that you can assist us will help tremendously and touch the lives of Stevens students for years to come. This spring, we will have also launched the GOLD Rush: The Chairman’s Challenge—an exciting new effort to engage our young alumni, the Graduates of the Last Decade, through a matching gift provided by the Chairman of the Board of Trustees, Mr. Larry T. Babbio, Jr.’66.

Alumni Weekend is June 1, 2 and 3, 2012, and we invite you to be “True to the Red and Gray!” All alumni, their families and friends are urged to come to enjoy an exciting variety of activities designed to appeal to everyone, from our reunion classes to families, young alumni and our revered “Old Guard.” This year, the golden anniversary Class of 1962 will be honored during the Alumni Luncheon; you can meet one of the class’s many interesting alumni, Phil Kimball ’62, in this issue. I look forward to meeting with you and filling you in on the “State of Stevens.” Please come back to visit old friends, see the campus and witness all of the wonderful changes here and around Hoboken. Connect again with Stevens. Your friends would love to see you, and you’ll be so happy that you came.

Stevens has entered a new and exciting era, and we need you to be part of it. We’ve enjoyed such a strong school year, from an outstanding freshman class to many achievements on the research front and a renewed sense of optimism. We are on our way to becoming an even stronger university. I am committed to making this happen, but I need your help. Please continue to share your ideas and thoughts with me; you will never know how much they, and you, are truly valued.

Sincerely,

N. Farvardin
President, Stevens Institute of Technology
PresidentFarvardin@stevens.edu
(201) 216-5213

Stevens Institute of Technology
Wesley J. Howe Center
1 Castle Point
Hoboken, NJ 07030
Professor offers water treatment solutions in Bangladesh

A Stevens professor made his fifth trip to Bangladesh last fall in his latest effort to provide clean drinking water for people battling the largest environmental contamination in history.

Dr. Xiaoguang Meng, Hon. M.Eng. ’10, a professor of environmental engineering and an expert in water treatment systems, spent a month in Bangladesh last fall, where he worked with UNICEF to develop and demonstrate water treatment techniques to remove pollutants from well water and provide safe drinking water. Their efforts focused on two areas: doing filtration tests of a method to remove manganese and iron from well water, and demonstrating a household “chlorination/dechlorination” container that Meng has developed to provide disinfected drinking water without the chlorine smell and taste. The majority of people in this country of 156 million don’t have access to clean drinking water.

Naturally high levels of dissolved metals in groundwater pollute millions of private wells in Bangladesh, affecting tens of millions of people. Meng first visited Bangladesh in 1999 and, with other researchers from Stevens’ Center for Environmental Systems, has focused mostly on combating highly-toxic arsenic in the groundwater. Arsenic in the country’s water has affected the health of more than 50 million people in the country and is the largest environmental contamination in history, he says.

On this recent trip though, where he worked both in the nation’s capital, Dhaka, and in a rural village, Meng and his team targeted manganese and iron and promoted use of the chlorination/dechlorination water container, which resembles a large picnic drink container.

While necessary in moderation, at high levels, both manganese and iron give water an unpleasant flavor and color and are associated with various health risks. Excessive manganese has been shown to cause neurological damage, especially in developing children. High iron levels can support bacterial growth, which fouls drinking water and causes deadly diarrheal disease. Where arsenic is present, the chemical will bond with ferric compounds, making iron removal a key ingredient in fighting arsenic contamination.

The system that Meng has developed to remove manganese and iron involves a filtration device that is still under development. Field testing results of the device will help UNICEF construct 10 community water treatment systems, which will remove these metals; Meng estimates they will be ready for use in about two years.

The chlorination/dechlorination device, meanwhile, is now being used by a handful of families, as Meng and his colleagues work to obtain grants for large scale testing and for use in the country. Meng specializes in water treatment technologies that blend cutting-edge research with affordable, easy-to-use techniques, and his chlorination device is exceedingly simple. The water container contains a carbon filter. A family uses a few drops of a simple bleach solution to disinfect the water, and the filter helps provide them safe drinking water while eliminating the unpleasant chlorine smell and taste. Chlorination is widely available as a water treatment in the country, but it has met resistance because of the taste and smell. Meng’s hope is that people will be more likely to adopt this simple household technique to keep their water safe.

Chlorination helps prevent bacterial and viral pathogen transmission through contaminated drinking water and food, the main causes of diarrheal disease. In Bangladesh, diarrhea is a leading cause of death in children under 5, accounting for 11 percent of all child deaths. Diarrheal disease is re-
sponsible for the deaths of 1.8 million people worldwide every year and is the second leading cause of death in children under 5, according to the World Health Organization.

On his first trip to Bangladesh in 1999, Meng introduced a coprecipitation-filtration technique to treat arsenic contamination in water. The system requires a plastic bucket, sand and a disposable packet of chemicals and costs the average family $5 annually.

In Bangladesh, Meng met people with amputated hands and feet, lost to cancer developed by drinking arsenic contaminated water. While he has managed many water treatment projects over the years, he says that his work in Bangladesh is the most meaningful to him.

“There is a different value; you’re saving people’s lives,” he says.

In a country where most people don’t have access to clean water and no money to buy bottled water, “you want to give them a solution,” he says. “You see immediately the impact of your work—they start drinking clean water.” —Beth Kissinger and Stevens Office of News and Media Relations

Love of waves leads to doctoral work on beach erosion

Being a beach bum and a Ph.D. candidate go hand-in-hand for Spicer Bak. This ocean engineering graduate student and avid surfer studies beach erosion to try to protect America’s coastlines. He’s also using support from a unique National Science Foundation graduate student scholarship program to share his excitement for science and the sea with New Jersey high school students.

Coastal protection is a major topic for government agencies, ocean scientists and beach lovers around the world. It’s also a big issue among surfers, a vocal and engaged group among beach users. Due to his love of surfing, Bak strives to discover new ways to preserve beaches without reducing the chance of catching a wave.

“There is a great need today for a solution that preserves beachfront without damaging recreational value, and do so in a relatively natural and more permanent way,” said Stevens Professor Thomas Herrington ’89, M.Eng. ’92, Ph.D. ’97, Bak’s adviser and assistant director of Stevens’ Center for Maritime Systems.

Bak and Dr. Herrington propose installing artificial reefs in the water, which will influence waves and protect seaside property yet maintain surfing potential. To develop these reefs, Bak produces computer models and scale physical demonstrations of artificial reef schemes that will one day become permanent fixtures along popular New Jersey beaches.

Artificial reefs are meant to replace beach replenishment or beach nourishment—the adding of sand to widen or restore a beach, a common response to beach erosion. The replenishment starts working immediately and causes no problems to marine life if the sand is mostly mud-free. But “beach replenishment can ruin waves and regularly takes beaches out of commission because new sand has to be added again and again,” Bak says.

One problem in nourishing beaches is that imported sand often has a different grain size than native sand. Adding smaller grain sand leads to the tide taking too much from the shoreline when being swept away, creating a mellow slope that bottoms out incoming waves. Larger grains cause steep slopes, which make the waves break too close to shore or not at all.

When beach replenishment cuts waves in one part of the shore, surfers must jostle for fewer surfing spots. This impacts not only surfers, but shore businesses, where surfers and beachgoers are a major economic contributor.

Artificial reefs that change beach conditions are a relatively new concept, but have become a hot topic among surfers after several successful projects in Australia and California. Bak is building on the data from those successes to create his own reef designs.

Bak also takes his passion for the ocean to area high schools as part of the National Science Foundation GK-12 Fellow program. As a fellow, Bak receives NSF support for his Ph.D. studies and research in return for teaching high school sophomores basic engineering and science principles through lessons about the water.

To make chemistry more appealing, Bak brought in scuba gear to demonstrate the importance of chemistry in scuba diving. As the kids kicked around in his flippers and wore oxygen tanks, he explained how divers must monitor the nitrogen concentration in their tanks to avoid the bends.

Bak says he is “stoked” that he gets to combine engineering and a love for ocean in a career. “It’s almost like a romantic fantasy that I get to do research related to surfing.” —Stevens Office of News and Media Relations

For more stories on research at Stevens, go to www.stevens.edu.
Presidential Receptions around the nation

Since the fall, Stevens has hosted a number of Presidential Receptions for alumni to meet President Nariman Farvardin. Dr. Farvardin has been traveling across the country and across the state to update alumni on what’s going on at Castle Point. As these pictures show, alumni from throughout the years have turned out to hear what Dr. Farvardin has had to say about their alma mater. More Presidential Receptions are planned, so watch for news on them.

Dr. Nariman Farvardin, at right, greets Joe Schneider ’46 and Nancy Catello at the Hudson-Union-Essex holiday party, held in the Babbio Center this past December.

At the holiday party for the Stevens Alumni Club of Washington, D.C., last December, Dr. Nariman Farvardin, president of Stevens, gave a Presidential Pin to Ray Durante ’50, the party’s host. For the past two decades, Ray and Dorothy Durante have hosted the Club’s holiday party at the Congressional Country Club in Bethesda, Maryland.

Dr. Nariman Farvardin presents an inscribed pen box to Atlanta Club President Art Bendelius ’58 and his wife, Ginny, at a Presidential Reception in Atlanta in January.
In September, Rosa and John Hovey ’57 hosted the first Presidential Reception of Dr. Nariman Farvardin’s tenure as president of Stevens. Pictured are, from left, Fred Paulson ’59, Rosa Hovey, Hoveida and Nariman Farvardin and John Hovey.

Frank Semcer ’65, at left, enjoys catching up with Tom Moschello ’63 and Dr. Nariman Farvardin at the Morris-Passaic and Middlesex-Somerset Alumni Clubs reception for the Stevens president, held in Morristown, N.J., in November.

The Stevens Alumni Club of Houston hosted Dr. Nariman Farvardin, front row, third from right, as he traveled to meet them and discuss future plans for Stevens. Also traveling to Houston in November was Dawn daSilva, Stevens assistant vice president for development, front row fourth from right, and Ed Eichhorn ’69, Stevens vice president for development, in the last row on the left.
Sky’s the limit for co-op graduate now working with aircraft engines

For Regina Pynn ’11, being a part of the Cooperative Education program at Stevens really was life changing. There, she learned what she liked, but more importantly, what she didn't like.

During her five co-op assignments, she worked in a variety of industries, from a toothpaste factory to an HVAC company to the Kennedy Space Center. The variety of employment sites made things clearer for her, she said, and allowed her the freedom to know what she wanted in terms of her career.

Co-op students mix an academic curriculum with work internships and generally graduate in five years. The co-op program at Stevens celebrated its 25th anniversary in 2011, with an alumni reunion last June, and has produced more than 1,700 participants. Stevens has had five NJ Cooperative Education Students of the Year during the past seven years. Besides Pynn, previous recipients include Michael Phipps in 2004, Jibu Abraham 2005, Poitr Czerechowski 2006 and Keith Cassidy 2008. In 2005, Daniel Mirotta ’06 was named the National Cooperative Education Student of the Year by the American Society for Engineering Education, an honor that Cassidy also won in 2008. And in June, Pynn was awarded the 2011 NJ Cooperative Education Student of the Year Award.

“An exceptionally talented young woman, Regina’s dynamic personality and proactive approach have allowed her to succeed academically, professionally and experientially,” reads the submission from the Office of Cooperative Education at Stevens. “We can attest to Regina’s accomplishments both inside and outside the classroom. Scholar, leader, engineer—these words only partially describe this exceptional young woman.”

Pynn sings the praises of co-op. “I tried a bunch of stuff that allowed me to figure it all out. I had time to really learn and explore what I wanted,” she said. “Once I began working in the aerospace field, I knew that’s where I wanted to be.” And co-op allowed her to chart a career path through her internships. During the summer of 2010, Pynn worked at a co-op program at Hamilton Sundstrand in Connecticut, her second job placement at the company. After her second job stint was over, she received a full-time job offer upon graduation and last June, began her career as a project engineer working with aircraft engines.

Pynn earned her undergraduate degree in mechanical engineering, a master’s in systems engineering and a graduate certificate in space systems engineering.

Her enthusiasm for co-op was full speed ahead from the word go. “I heard about co-op the second week of school and I came and saw Cat Rooney, M.S. ’91 (director of Cooperative Education), I was sold. My parents were a little skeptical, but then they heard more about it and said that everyone should do this.”

But co-op provided more than an academic education. Pynn shared the story of how, after snagging a coveted co-op job interview, she realized she needed a car to get there. And, more importantly for this New Yorker, she needed a driver’s license. “I never drove a car before,” said the woman from Brooklyn, N.Y. “I literally took the driver’s test on a Friday and had the interview on Monday.”

In between school work and co-op, Pynn managed a full life on campus as well. During her last year, she served as editor-in-chief of The Stute and previously worked there as a staff writer. She re-founded Red Shift, the student literary magazine, where she was also editor-in-chief, worked on the Macy’s Thanksgiving Day Parade inflation team and was a member of the equestrian team. She was also a Resident Assistant and served as president, vice president and secretary to the Residence Hall Association.

Co-op also provided her the chance to meet new people, including Andy Kozak, a fellow engineer and co-worker at the HVAC facility. The two kept in touch. “As a young engineer, I wanted to associate myself with admirable professional engineers. I really value his advice,” she said.

After Kozak left the HVAC company, he entered the literary world and now co-owns a publishing company in New York called 5th Epoch Publishing, which writes, publishes and markets role-playing game products in print form and downloadable electronic files. When Kozak found out about Pynn’s writing background, he offered her a contract to write a rule book for an online gaming site, “Metal, Magic and Lore.” Pynn jumped at the chance. If all goes well, the book will be out later this year or early 2013.

“I am so excited. To think that two years after I graduate college, I could be a published author and ..., well, it’s always been a dream of mine.”

“All good things begin with co-op,” she said.

She’s thankful for all of her co-op experiences and, most importantly, for her Stevens education. She encouraged all future Stevens alumni to take advantage of what the University has to offer.

“Stevens has a lot of resources—the people, the activities. See how many you can look into and don’t define yourself. Expand your scope,” she said.

So where does she see herself in 10 years? “I see myself as busy. Stevens helped me develop the skills to lead projects and teams and I found it’s something I’m drawn to. Wherever I am in 10 years, I know I’m going to be looking for new ways to challenge myself and to impact the organization I am a part of,” she said. —Lisa Torbic, Associate Editor
Stevens alumnum shares his father's photos of when Sinatra came to campus

Editor's Note: Charles T. Smith was chief of campus police at Stevens from 1973 until his retirement in 1987. He died last fall, and his son, Stephen M. Smith ’78, shared some photos with the Alumni Association that the elder Smith had taken in July 1984, when Frank Sinatra visited Stevens, and in May 1985, when Sinatra returned to receive an honorary doctor of engineering degree from the university. The 1984 visit came about as Sinatra was campaigning with President Ronald Reagan as he sought re-election. Below, Stephen Smith offers some insight.

I’m sharing three photos Dad took on July 26, 1984, when Frank Sinatra, the most famous native of Hoboken, returned home to help his old friend, Ronald Reagan, a Republican president, campaign in Hoboken, a well-known Democratic city in a Democratic state—not an easy feat. But Reagan won the presidential election that year, no doubt with the help of his friend, The Voice.

Dad served as a military adviser in Vietnam from 1967 to 1969. As a member of USAID (United States Agency for International Development) in Vietnam, he had top security clearance. It may be why he was allowed such up-close access to the president, as these photos show.

When the helicopters landed and the soldiers lined the field, armed with fully automatic M16 rifles, it was quite a sight. Dad was able to get Dr. Rogers onto the field to greet President Reagan. Reagan and Rogers struck up quite a long conversation. A few years later, Dr. Rogers worked under Reagan as a commissioner with the Nuclear Regulatory Commission. This captures their first meeting.

In the second picture, President Reagan is saying good-bye and headed to the St. Ann’s Italian feast in Hoboken on July 26, 1984. At the time, Reagan was running for re-election, and Sinatra came along to help his old friend campaign in New Jersey.

Sinatra is looking toward Hoboken in the third photo. I can almost read Sinatra’s mind. As someone who grew up in Hoboken like Sinatra, I guess he’s probably thinking, “How did a kid like me get to stand here, on the Stevens campus?” Like many Hoboken kids of his era, being at Stevens was a dream.

Sinatra came back to Stevens (and Hoboken) to get an honorary doctor of engineering degree from the Institute in 1985, as the last photo shows. Although Sinatra rarely returned to Hoboken, perhaps a few times in decades, he did return in 1984 to help his old friend President Reagan, and one year later to receive his honorary degree from Stevens (His daughter, Nancy, said in a published work that her father once wanted to become an engineer). Earlier that same day, in Washington, D.C., Sinatra received the Presidential Medal of Freedom from Reagan. Quite a long day for Sinatra.

—Stephen M. Smith ’78

Sinatra, left, and then- Stevens Police Chief Charles T. Smith, when Sinatra received his honorary degree on May 23, 1985. Proud of Dad here with Ol’ Blue Eyes!
The President’s Initiative for Excellence is a three-year, $30 million fundraising effort aimed at improving the Stevens experience by expanding scholarship programs, upgrading infrastructure, enhancing technical capabilities and boosting the University’s ability to attract outstanding new faculty.

The Initiative also marks the launch of the Stevens Decade. These next 10 years will be a period of bold ambitions and impressive accomplishments leading up to the University’s landmark 150th anniversary.

Photo Credit: Jeffrey Vock
SCHOLARSHIPS TO RETAIN TALENTED STUDENTS

Attracting top scholars is key to Stevens’ mission of producing a highly skilled, technology-savvy work force capable of devising innovative solutions to address complex societal problems. It is thus critical that we continue to increase our available scholarship resources, both in order to competitively recruit top applicants and to address students’ needs for financial support.

SUPPORT FOR FACULTY

Designated faculty chairs allow Stevens to recruit and retain outstanding faculty – the core of an institution of higher learning – and equip them with the resources they need to provide an exceptional learning experience for students, while also advancing the frontiers of science and technology through innovative research.

STATE-OF-THE-ART INFRASTRUCTURE

The Initiative will provide needed funds to upgrade the university’s physical infrastructure, modernize facilities and expand technical skills in order to maintain a cutting-edge learning environment on campus, while preparing Stevens graduates to step into careers that will require mastery of state-of-the-art technologies.

THE PRESIDENT’S DISTINGUISHED LECTURE SERIES

The series will help keep Stevens at the forefront of critical discussions on both national and global topics around academics and policy. Invited speakers will possess great depth of experience in their fields, and will include thought leaders from the corporate sector as well as distinguished scientists and engineers. This series will not only generate excitement within the community, but also create excitement about Stevens beyond our walls.

To view full version, please visit www.stevens.edu/dev
Women at Stevens

Celebrating 40 Years of Female Undergrads at The Stute
When Martha Connolly ’75 was mulling her many college acceptances in the spring of 1971, the prospect of achieving landmark status at Stevens Institute of Technology, which was admitting women as undergraduates for the first time 101 years after its founding, was certainly enticing.

“The opportunity to break ground—to be the first—was a draw,” she recalls.

But what closed the deal for Connolly was something else entirely—the personal attention of Dean of Admissions Robert Seavy, M.S. ’48, who took her on a private tour of the campus and astounded her by knowing the names and majors of every student he encountered.

“This was clearly a place that really focused on undergraduate education,” Connolly said.

When she arrived at Stevens that fall, Connolly was one of 19 women to join the Class of 1975, and quickly learned that the campus had been forewarned. *The Stevens Indicator* had signaled the special status of these pioneering freshmen by publishing their photographs in that fall’s edition of the magazine. In classes, she was often the only woman.

“I would be the first name the professor learned, and thus the first to be called to the blackboard. And I could never cut class. They’d know, of course,” she said with a smile.

*Continued on next page*
They weren’t the first women students to enter Stevens’ classrooms—women had been attending the graduate school since 1942. But the extraordinary women of the Class of ’75 were the first undergraduate women to make Castle Point their home.

That first year, the women shared rooms in a relatively luxurious building set aside for married students and received invites galore for parties across campus, including on the decommissioned World War II transport ship, the SS Stevens, which was anchored in the Hudson River and served as a dormitory.

“They really rolled out the red carpet for us,” said Connolly, who earned a bachelor’s and master’s degree in four years at the university.

Lenore Schupak ’74, who enrolled in Stevens with that first class of undergraduate women but took so many classes that she earned her degree in only three years and became the university’s first female baccalaureate graduate, believes her classmates were special for reasons besides their gender.

“I think Dean Seavy went through a very careful selection process,” Schupak said. “He wanted to make sure the first women not only had the academic credentials to succeed, but were independent-minded and able to think on their feet.”

The university found ways to engage its first female students in areas outside of academics. While there were no women’s sports teams in 1971, the coaches created opportunities to involve the new female freshmen.

“I was interested in racquet sports and was asked to join the squash and tennis teams as manager,” said Schupak, who also joined the Yacht Club and was a photographer for The Stute. “I even got to practice with the boy’s tennis team. It was a very well-rounded experience.”

Women engineers were almost unheard of in the early 1970s. The year Stevens admitted them, in 1971, a mere 361

Continued on Page 18
When Robert Seavy, the dean of admissions at Stevens in the 1970s, heard the official word that the university was going co-ed for undergraduates, one of his first reactions wasn’t about how historic this decision was or how he would find qualified female students. No, almost immediately, one thought popped into his head: sleeping quarters.

“Where were they going to sleep?” he recalled asking himself at the time. “I knew it would be a problem, but, we worked it out. It really was such an exciting time on campus. We knew things would change forever.”

Seavy, who earned a master’s degree from Stevens in 1948, also knew that he had to get busy. The Board of Trustees voted in December 1970 to accept female undergraduates for the upcoming fall semester and he had to find qualified candidates, which meant appealing to high school seniors, most of whom would have made their college choice already. Seavy began actively recruiting in early 1971 at all-girl high schools in New Jersey and at high schools where he had established contacts. He remembers the first acceptance letter to a female undergraduate his office sent out.

“The whole office was very excited. We got it all started,” he said. Eventually, 19 women entered Stevens as undergraduates in the fall of 1971, as the pioneering Class of ‘75. And as for the dorm room dilemma he faced early on, the solution was relatively easy: a section of the Married Student Housing (now called the Castle Point Apartments) was set aside for the female students.

For Richard Eversen, the retired associate provost and dean of student affairs, finding suitable female students proved a little challenging at first. “Stevens had very high standards back then, as they do now. It was hard to find females who were at the top of their class who had advanced math classes. Don’t forget that, at that time, a lot of young women in high school didn’t take much math.”

“And engineering wasn’t thought of as a career path for women then. Most women at the time were in the teaching and nursing fields. There weren’t many who considered a career in physics, math or chemistry,” Eversen said. But, the female students during those first years were very smart, he said. And, as Seavy echoed, all Stevens undergraduates must “have the goods” to succeed at Castle Point.

The Stevens Indicator Winter 1971 edition released the results of a poll on campus taken before the co-ed change that showed a high majority of students favored having female undergraduates on campus. With 861 responses, 651 voted yes, 179 said no and 31 had no opinion. A survey to alumni showed no strong feeling either way, and discussions with alumni groups showed that they favored the change.

Malena Aldecoa Higuera ’75 recalls how welcoming the male students were.

“I think at first they saw us as women, but after the first year or so, they saw us as classmates,” she said.

Higuera remembers where she was when she heard about the co-ed change at Stevens: She was in homeroom during her senior year at Hoboken High School in 1971. Her family had settled in Hoboken after emigrating from Cuba in 1968, leaving behind Fidel Castro’s socialist state.

“I was in homeroom and I heard they were opening up to women undergraduates. Coming from Cuba just a few years before, English was not my strong suit. But something clicked for me with math. I knew that math was the language that would get me by,” she recalls. “I visited MIT, (a school in) Boston and Princeton, but I wanted nothing but the best and I knew that Stevens was the best.”

It turns out that Higuera also had one special cheerleader in her corner.

Her principal at Hoboken High School was Thomas Gaynor, himself a graduate of Stevens in 1932. “He encouraged me for sure, but he also wanted me to know that it wasn’t an easy school, that it was tough. He wanted to make sure...”
women across the country had earned undergraduate degrees in engineering, and women accounted for less than one percent of the Ph.D. students to receive doctorates in engineering, according to data from the National Science Foundation.

Despite the odds, both Connolly and Schupak excelled at Stevens. Both women went on to pioneering careers in their respective fields—biomedical engineering and biosciences for Connolly and environmental engineering for Schupak. Connolly went on to become the first female graduate of Johns Hopkins University’s biomedical engineering doctoral program, and she currently heads the Maryland Technology Enterprise Institute (Mtech) Maryland Industrial Partners Program at the University of Maryland, where she has spent her career fostering the state’s bioscience industry. Schupak, who earned a master’s degree from Syracuse University and an M.B.A. from Columbia University, also continued to be a trailblazer. She worked at an early alternative energy start-up and eventually for General Motors, helping the company implement early environmental compliance rules.

Spring forward 40 years and Stevens is a vastly different place, its landscape altered in part by the many talented and ambitious women who followed in the footsteps of these pioneers. Women now make up 25 percent of undergraduates and occupy many leadership roles on campus.

This year, for example, the chair of the Honor Board, the head of Gear and Triangle, the activities honor society, and the editor of the yearbook are all women. And there are now a total of 13 women’s athletic teams on campus, all quite renowned. The strength of the programs allows Stevens to recruit scholar-athletes from all over the country, including Laura Barito ’11, a mechanical engineering major who last year was chosen as NCAA Woman of the Year.

Continued from Page 16
Continued on Page 20
I was sure of it," she recalled. And the experience created a special bond between the principal and student as Gaynor's support helped Higuera become the first female graduate of HHS to receive her B.S. from Stevens.

During her undergraduate days, Higuera lived with her family at Washington and 11th streets, just a few blocks from campus. Money was tight for her family in those days. "I didn't live on campus, but I got to experience a lot of things," she said. "I got to see the World Trade Center being built, I became involved with the Latin American Club and one time, during a snowstorm, some of my guy friends actually carried me down the hill to my house so I wouldn't slip."

In 1971, Higuera recalls that first group of women being called into a room for a meeting with administrators. They asked the students if they wanted to be segregated during classes or randomly mixed among the men. "We were offered a choice. We wanted to be treated as equals, so we chose to be in the same classes. Sometimes I would be the only woman in class, sometimes it was two of us. We did not get a break and we wanted it that way," she said.

The "sisterhood," as Higuera calls that first group of women, created a unique friendship that she relishes to this day. "I got to know the other women very well. Because I didn't speak English as well as the others, they were very protective of me and really were supportive."

After graduation, she worked for Allied Chemical Corp. and earned her M.M.S. from Stevens in 1978. She gave birth to her children, Malena and Kevin, and stayed home with them for a few years. She re-entered the workforce in 1983 as a cosmetics engineer at Revlon and Higuera now works as director of process engineering with Coty Inc.

Joseph Moeller, Jr.'67, M.Eng. '69, Ph.D. '75, who was a circuits professor during the '70s, recalled the integration of women and the acceptance of students from outside the tri-state area as widely accepted.

"The admission of women undergraduates was generally considered a positive and progressive step forward for the Institute," Moeller recalled.

Michi Wada '75 remembers those early days on campus. During her senior year at Bergenfield High School in Bergenfield, N.J., she visited several colleges, but when she heard about the co-ed opportunity at Stevens, she made Castle Point her home. And during her time at Stevens, she was a member of the first female fencing team, which was established in the 1974-75 academic year.

Fencing was new at the time to Wada, but "fencing sounded like something I wanted to try and it helped that they had an established men's team," she recalled.

Today, Wada lives in New Mexico and works as a programmer with Sandia National Laboratories. "I'm still with the same company that I started out with after I graduated from Stevens," she said.
STEVENS SELECTED AGAIN BY THE DEPARTMENT OF ENERGY!

Solar Decathlon Team Will Build THE LEARNING HOUSE in 2013

Stevens is proud to announce we have been selected as a returning participant in the national Solar Decathlon by the U.S. Department of Energy. Our students will design and build an energy-efficient, solar-powered home for the 2013 edition of the prestigious competition, which occurs once every two years.

Dozens of Stevens students — drawn from both the undergraduate and graduate ranks — will team up to build THE LEARNING HOUSE, a ‘smart home’ based partly on experiences gained during the 2011 event, when Stevens formed Team EMPOWERHOUSE with two fellow institutions. That team secured a first-place finish in two of ten categories (affordability and hot water production).

Now Stevens will become a solo entry, showcasing the University’s strengths across an array of fields and disciplines for the 2013 competition. The LEARNING HOUSE team welcomes the support and encouragement of our Stevens alumni as we prepare to put Stevens innovation on display once again.

To become involved, please contact:
The Office of Development
201-216-5214
development@stevens.edu
www.stevens.edu/dev

To view video of Stevens’ 2011 entry in the Solar Decathlon, please visit:
www.stevens.edu/news/content/solar-decathlon
Continued from Page 18

“I felt like I fit in right away,” Barito said. “The attitude toward men’s and women’s athletic teams was very equal. All told, this was one of the most balanced experiences you could find in engineering.”

Kendra Appleheimer ’12, who served as vice president of the Student Government Association last year under a fellow female president and has held impressive internships at ITT, the Metropolitan Transportation Authority and Air Cruisers, agreed that women are highly influential on campus today.

“I do feel that our impact is significant,” she said. “Those trailblazing women who were the first engineering students here started this tradition.”

Women are so well integrated on campus today that most of the time Appleheimer barely notices that they are still a minority. During her internship at Air Cruisers, she was the only woman on a large project team, but didn’t realize it until someone pointed it out two weeks after she started.

“We’re all working toward the same goal and the sense of community is so strong here that I don’t even think about gender,” she said.

If they are anything like their predecessors from 40 years ago, Appleheimer, Barito and others like them can expect great success by any standards.

—Stevens Office of News and Media Relations

To read more stories that mark the 40th anniversary of undergraduate women at Stevens and to view a historical slideshow, visit www.stevens.edu/women.
She was a 23-year-old chemical engineer when she joined New York Telephone in 1984. One of her first jobs: be the first female boss for some veteran union workers testing phone circuits in Lower Manhattan.

Virginia Ruesterholz ’83 had never actually tested phone circuits herself. But one of her technicians, Walter Jarvis, had, so she worked alongside this veteran—who was old enough to be her dad and who took the time to teach her.

Ruesterholz fondly recalls Jarvis more than 25 years later, as she reflects on an extraordinary career she’s built to become one of the highest ranking women ever in the telecommunications giant that later followed New York Telephone, Verizon Communications.

“You never know who your most important mentors may be,” she says. Often, it can be someone who works for you.

Like her mentors, Ruesterholz generously shares the lessons she’s learned through her rise over 28 years within one of the world’s most prestigious companies. She describes her career as a story of “so many opportunities, so many people to learn from.”

“When I look at my career, people say: What was your career plan? It really was one word: Yes,” she says. She’s always said yes to new challenges, even to jobs that required impossible commutes or just seemed out of her league.

Among the undergraduate women who have passed through the Stevens campus over the past 40 years, Ruesterholz shines as a spectacular success story. She is currently executive vice president of Verizon Communications, responsible for overseeing the company’s key strategic initiatives. She is the person who led Verizon’s recent charge to roll out FiOS, the well-regarded, high-speed fiber optic network that offers phone, internet and television services through wiring directly to people’s homes.

She is also the first woman in Stevens’ history to be named vice chair of the Stevens Board of Trustees, where she has served since 2007.

Perhaps most impressive of all is that she accomplished all of this while still raising two children with her husband, Kevin ’83.

When she speaks by phone one recent afternoon from her office in Basking Ridge, N.J., Ruesterholz is warm, gracious and instantly makes you feel comfortable. She shares memories and seems genuinely grateful to so many people for the success she has enjoyed. She seems super organized—she prefers that questions about her life start from her beginning—and makes a half-hour conversation engaging and fulfilling as she completes the call just in time to rush off to a meeting.

When asked about her proudest accomplishments, she says that the FiOS project was certainly a highlight. So was the great team effort that she led earlier in her career to automate the dispatching of technicians, whose repair and installation visits had been tracked by mountains of paperwork, not a computer.

The successes she recalls have to do with people who came together to do amazing things, including her own family.

Shortly after her daughter, Katie, was born, in 1995, Ruesterholz was transferred from Manhattan, N.Y., to Garden City, N.Y., to head NYNEX’s Long Island business unit. She had two young children and was living in Holmdel, N.J.; the new job would require a 170-mile round-trip commute. But she knew it was a great opportunity and thanks to her husband and her parents, she was able to take the assignment.

Her team in Long Island saw how hard she worked, how she
started work early and left late despite the long commute, and they stepped up, too. They enjoyed great success and a great relationship, she recalls.

But Ruesterholz saves her greatest praise for her family. Her parents, the late George and Virginia Mahoney, cared for her children when they were small. And Kevin, who now works as an attorney but had been a senior manager with Lucent Technologies near their home, was indispensable. She says that she wouldn’t be where she is today without them.

“You’ve got to find a support system, and he’s there for me,” she says. “There always has to be someone who carries the ball when it’s falling.”

When Ruesterholz received an honorary degree from Stevens in 2008, her husband and children were there to cheer her on. She honored them.

“Throughout my career, I relied on my parents, my husband and my children to keep me grounded and remind me what’s really important in life,” she said that day.

The only child of George, a middle school principal, and Virginia, an elementary school teacher, Ruesterholz grew up in Matawan, N.J. Her parents had a strong belief in education, and her mother was proud to have earned a college degree when few women of her generation did.

“They told me that you need to get a great education, then you need to pick a career and give back,” she says.

Ruesterholz also salutes Sister Margaret Mary, her calculus teacher at St. John Vianney Regional High School in Holmdel, who encouraged her to use her strengths in math and science to become an engineer.

She visited Stevens and fell in love with it: the “tremendous, good feeling,” the close-knit community. “I really felt a connection,” she says.

It was here that she met her husband. They started dating their senior year, getting better acquainted after she accidentally sprayed him full blast with a faucet during chemistry lab. They’ll be married 28 years this June.

“I met my husband there, and it’s been such a major influence on my life,” she says, when she explains why she does so much for Stevens, from her time as a trustee to her family’s support as major donors. Ruesterholz was very active as a student, as president of the American Institute of Chemical Engineers and a member of Tau Beta Pi and the Society of Women Engineers. For her many professional accomplishments, Ruesterholz, who earned a master’s degree in telecommunications management from Polytechnic University, received the Stevens Honor Award in 1995.

Ruesterholz’s climb through the ranks of New York Telephone, NYNEX and Bell Atlantic, companies that through mergers and acquisitions became Verizon, has been extraordinary. After starting with New York Telephone as a manager, Ruesterholz was named market area vice president and general manager for service delivery and field operations. She later rose to senior vice president of Wholesale Markets.

She was later promoted to president of Verizon Telecom, where she was responsible for sales, customer service, operations and IT for the consumer, general business and domestic wholesale markets. Before assuming her current position, she served as president of the former Verizon Services Operations, a global shared-services business group that operated Verizon’s wireline network as well as the finance operations, real estate and supply chain services that support all Verizon companies.

Stevens Professor Richard Magee ’63 serves with Ruesterholz on the Stevens Board of Trustees and praises her leadership skills, dedication and ability to connect with others.

“She’s just great to work with,” he says. “She provides wise counsel and clearly is a worker. She puts a lot of time in; it’s quality time.

“She makes people around her feel very comfortable.”

With her prominent position with Verizon, and the demands of her work with Stevens, Ruesterholz has limited free time. Her favorite way to unwind? Be with her family as much as she can.

Some days, she’ll just jump on the train to Washington, D.C., to catch a movie with Scott, 19, who attends Georgetown University. She attends 16-year-old Katie’s field hockey games whenever she can.

When Ruesterholz thinks back on the rewards of her long career—and the sacrifices she’s made—she always comes back to the people.

“You can have the greatest technology,” she says, but it’s the people you work with—to solve problems together, to help each other—who make the work worthwhile.

“People make it,” she says.
Women at Stevens

Putting Stevens Skills to Test in the Workforce

Team building, leadership know-how lead to success in 25-year profession

By Lisa Torbic
Associate Editor

No one needed to tell Annmarie Rizzo ’86, M.S.’92, about the prestige of a Stevens education. Growing up in Hoboken, N.J., she was very familiar with the “dream on the hill.”

“The education I received at Stevens really helped me along the way,” she recalled during a recent interview. “The analytical skills and people skills I learned have helped me with my career. At Stevens, I learned about problem solving—how to assess a situation and how to get the right people involved to bring the problem to resolution.”

As director of Network Operations for Verizon, Rizzo is based in the Verizon Corporate Headquarters Building in Lower Manhattan and has national responsibility for the network creation and the building of network infrastructure, which Verizon’s voice, video and data ride on. She directs the operations of at least 10 provisioning centers, managing 100 supervisors and 200 union workers spread throughout key areas in the United States. She credits her Stevens background with teaching her how to lead, but also knowing when to listen, an equally important skill, she said.

Her career began two months after her graduation when she got a job with New York Telephone as an engineer. Throughout several mergers and breakups of New York Telephone and other companies, which ultimately became known as Verizon, she’s risen through the ranks to her current position, a job she has held for about 10 years. She noted that she’s spent her 25-year plus career in the same industry.

As a teen, Rizzo attended the Academy of Sacred Heart School in Hoboken, an all-girls Catholic school, graduating among a class of 48. “For some, Stevens is such a small school. Coming from a school with only 48 (in a graduating class), Stevens seemed huge to me,” she said, with a slight smile on her face as she recalled the memory.

Always gifted in science and math, Rizzo applied to NJIT and Columbia University, but had her heart set on Stevens, the “dream on the hill” for most Hobokenites. She even earned her M.S. in management at Stevens.

“When I tell people that I spent my entire academic career in Hoboken, they can’t believe it, that I would have stayed in one place. But when you have the best right in your backyard, why leave?” she asked.

But there would be some challenges along the way. The tuition at Stevens provided a hurdle for her and her parents to overcome. Her dad, before he died two years ago, was a carpenter and her mom, a secretary for the Hoboken Board of Education. Rizzo was fortunate to receive some scholarship money from the university and, combined with a job during high school as a waitress and some sacrifices on her parents’ part, she was able to enter Stevens in the fall of 1982. Rizzo also got a job at the Plastics Institute of America on the Stevens campus to help financially while attending classes. “My mom was born and raised in Hoboken and still lives in the house she grew up in. My dad was born in Italy and came here in the 1950s,” she recalled.

And their reactions on her graduation day? A smile returns to her face as the memory comes back.

“They were very happy to see me graduate from Stevens because as Hoboken residents, they knew what it meant,’” she said, referring to that hard-to-reach dream on the hill.

She noted that many skills that are taught at Stevens are transferrable to any job.

“Teamwork, team building—when you work on your senior design project, for example, you learn to take turns. Sometimes you’re the leader and sometimes you’re the follower. And you have to contribute in all aspects of the project,” she said.

In the last decade or so, Rizzo has included Stevens more prominently in her busy schedule, which includes a love of cooking, entertaining and traveling. She’s attended many Alumni Weekend events during the past several years and has been a longtime member of the Edwin A. Stevens Society, the philanthropic arm of the university. She currently serves as the EAS Society chairwoman, a position she has held since November 2010. She established the Rizzo Family Excellence in Engineering Scholarship as a way to have a big impact at her alma mater and give back to the university that gave her so much. One thing she’d like to do is increase membership in the Society. She quickly points out why she believes in this cause.

“Look at how far Stevens has come, look at what Stevens has produced in terms of leaders of industry and business. It’s amazing,” she said. And when she hears of the research that current students and recent graduates have done, she can’t help but be impressed.

“It’s a pride thing,” she said, meaning that when they succeed, Stevens also succeeds.
From Engineering to Healing

Change of plans allows alumna to embrace her true calling

By Beth Kissinger
Editor

The man had been hospitalized for more than four months, far from his family, depressed, unable to speak any English.

The young translator at Yale-New Haven Hospital answered his questions in Russian. But it was his nurse, Julita Woroniecka Cinguina '90, who truly spoke with him.

As his nurse, Cinguina took care of his many medical needs. But as someone who speaks fluent Russian, she was also the only person he could talk to about his life and family.

“I can see it in his eyes; he feels so much better,” she says.

“It’s an incredible feeling when you help someone. You feel like you’re on top of the world.”

Cinguina speaks quickly, exuberantly, her native Polish carrying through her voice. She sounds like someone on the top of the world, someone who has found her calling.

Cinguina is a clinical nurse at Yale-New Haven Hospital in New Haven, Conn., the primary teaching hospital for the Yale School of Medicine and a top hospital in the country.

At 44, she is new to nursing, having only entered the field about three years ago. Her journey from electrical engineering to motherhood to nursing, she says, teaches that you should follow your passion, that you can re-enter the workforce after time away and make a career decision at any age that changes your life.

“I’m so passionate about it—I love what I do,” she says. “I learn something new every day. I love it!”

One morning in late January, Cinguina speaks by phone from her home in Wilton, Conn.—a house surrounded by woods that reminds her of her childhood in Elk, Poland. It is her day off—she works three, 12-hour days that end up being 15-hour days with the commute and extra time she spends with her patients.

Cinguina works on the general medical floor at Yale-New Haven Hospital and treats patients with a variety of illnesses and health conditions, such as infections, diabetes complications, surgical patients, cardiac, renal, congestive heart failure, respiratory and other health conditions. The work is exhausting and stressful, but she obviously loves it.

“It’s peoples’ lives that I have in my hands,” she says. “I always think of it that way.”

The work is rewarding because simple things like adjusting a patient’s bed to make them more comfortable or the more complex managing of their pain medication all help a patient. So does just listening or holding a patient’s hand.

While her time at Stevens may seem long ago, she uses technical skills learned there and in her past engineering work every day, she says. The physics and flow rate of IV pumps is just one example. Her electrical engineering degree also got her the job interview at Yale-New Haven Hospital.

“I said: Thank you, Stevens, 20 years later,” she says.

Cinguina’s interest in nursing was much inspired by her daughter Michelle’s battle with severe asthma as a young child. At one point, Michelle was on seven medications and gained 20 pounds from taking steroids. As a worried parent, no one was really answering her questions. Cinguina had to quickly learn everything that she could about asthma and its treatments. Over time, Michelle outgrew the asthma. But the experience reignited a long forgotten passion for Cinguina.

She loved anatomy and physiology ever since she was a child growing up in Poland, she says. She was 15 when she, her brother and their mother, who had just gone through a divorce, left that country for a fresh start in Jersey City, N.J. Cinguina, who didn’t speak a word of English, attended Dickinson High School in Jersey City and taught herself English by reading the dictionary. When many kids in her honors math and science classes decided on Stevens, she went along, hoping to become a scientist.

“Stevens was wonderful,” she says. She fell in love with its peaceful campus and felt inspired by some great professors. Cinguina was elected to Tau Beta Pi and Eta Kappa Nu, the electrical engineering honor society, was a member of the Society of Women Engineers and played intramural sports. While she received many scholarships, she still had to work with the admissions office at Stevens and at AT&T Bell Labs in Murray Hill, N.J., to help cover tuition. She graduated summa cum laude.

But not long after starting her engineering career with Con Edison, she discovered that engineering wasn’t her passion. Later, while working at Omega Engineering as an applications engineer, she quit to stay home with baby Michelle while her husband, Michael, worked as an engineer and later IT manager with GE. After her second daughter, Catherine, was born, Cin-
guina worked part-time as a computer consultant.

Today, her girls are 16 and 13, and their mother, who earned her nursing degree in 2009 from Norwalk Community College, has found her career path.

And she’s not done. She wants to learn more, so she’s working on her master’s degree at Sacred Heart University to become a family nurse practitioner, an Advanced Practice Registered Nurse (APRN). This degree will allow her to diagnose and prescribe medication.

One day, Cinguina would love to earn her Ph.D. in nursing and teach nursing students. But for now, she plans to spend the next decade earning her stripes as a hospital nurse.

“I love helping people and making them healthy and happy,” she says. “When you’re sick, it may not be as easy to enjoy your life.

“(As a nurse), there’s just so much you can do.”

Pursuing a Passion is More Than Her Day Job

It might seem strange to mingle two mediums like engineering and music together, but Kameelah Samar Majied is quick to point out how her two passions in life have a lot in common.

“If you think about it, they are very similar. Both allow me a different kind of freedom, a creativity. They both allow me the freedom to be inventive. (For instance), when you’re working with lyrics and music, you’re building a song,” she says.

Majied ’00, M.S. ’08, has managed to put her engineering degree from Stevens to good use. She began her career at Bristol-Myers Squibb designing production packaging equipment for Oncology & Cardiovascular categories with assignments in Puerto Rico and Indiana. She then ventured into the cosmetic/personal care industry as a package development manager in the Luxury division at L’Oreal USA. For the past four years, she has worked as a package engineering manager with Limited Brands, the parent organization of several well-known companies such as Bath & Body Works and Victoria’s Secret. Majied works on major brand categories with a key focus on component design, production fulfillment, and innovation.

But her creative side is also reflected in her “moonlighting” gig as a singer and lyricist. This central New Jersey resident has been singing and writing music since she was a youngster and currently heads her own five-member band, the Kameelah Samar Jazz Collective. The Collective sings locally in New Jersey and New York at various venues, such as weddings and clubs. “I have a lot of fun with music, but I can’t support myself from it,” she says in between slight laughs.

During a recent interview, Majied easily conveys her passion for engineering and music. While pursuing her baccalaureate degree at Stevens, she was heavily involved with activities outside of her studies. Among her many activities, she was a Resident Assistant, ran on the track team, played soccer, belonged to Alpha Phi Omega, wrote a column for The State, served on Student Government, was a member and leader of the engineering societies (ASME, NSBE, SWE), was a member of the Stevens Technical Enrichment Program (STEP), performed in the Glee Club and Jazz Ensemble and was a member of Gear and Triangle. “I was able to pursue all the things I love and I was able to do that because of Stevens,” she says.

Majied enjoys being busy and even today, she still has her hand in many pots. About four years ago, she became a certified English as a Second Language instructor and currently teaches ESL to adults at a Perth Amboy, N.J., location. She’s also involved with the National Society of Black Engineers as a member of the Regional Alumni Executive Board.

Oh, and she’s working on a CD, which will be released this fall, titled “Celebrate the Season,” a collection of Christmas songs, some holiday classic tunes and some of her original creation.

Dave Zimmerman ’90, executive director of the De Baun Center for Performing Arts at Stevens, says he’s not surprised to hear how full Majied’s life is these days. “She is an example of someone making their degree from Stevens work for them,” he says. “And Kameelah’s right: There is a correlation between music and engineering, and she really makes both work for her in her life.” But Zimmerman thinks Majied has yet to reach her peak either musically or professionally.

“I wouldn’t be surprised in 10 years to hear that she’s being honored for her work in the engineering field and also to hear that she has a successfully-selling CD on the charts,” he says. “She does so well in both fields. She really is a talented singer and has such a positive, outgoing personality.”

Born in New York City to parents from Trinidad and Tobago, Majied was a sophomore at Camden Catholic High School in Cherry Hill, N.J., when she first heard about Stevens. She was volunteering at CCHS during a college fair, helping to set up the tables for the representatives, when she saw the Stevens table. She signed her name to a list for more information and from then on, she started receiving literature continuously, right up until her senior year. “I did consider engineering as a career. I was always interested in it. I just love the creativity with engineering. I love being able to build and create things,” she says. She was the first of her generation in her family to graduate from college.

Besides providing a well-rounded experience, Stevens also provided something else for Majied: confidence. “Not that I ever had a real confidence problem,” she laughs. “But Stevens allowed me to grow and lead in any career I chose. It was an additional boost to my confidence,” she says.

—Lisa Torbic, Associate Editor
Chemical engineer and mom leads product testing for Good Housekeeping magazine

By Lisa Torbic
Associate Editor

If life hands you a bowl of lemons, ask Stevens alumna Dr. Birnur Aral how to test the fruit, observe the data and then make lemonade.

As Director of the Health, Beauty and Environmental Science Laboratory at the Good Housekeeping Research Institute in New York City, Aral is responsible for a team of scientists who evaluate products designed to meet the health, beauty and fitness needs for Good Housekeeping magazine and GoodHousekeeping.com. Some of the products tested have ranged from self-tanning lotions, eye makeup removers, moisturizing creams, and long-lasting nail polishes.

It’s a job that Aral, M.Eng. ’90, Ph.D. ’96, loves.

“I’m a scientist at heart,” she says during a recent phone interview.

She believes that a positive attitude brings you far in life and she gives off a calming presence when speaking. Her comforting voice is often interspersed with laughter. And since she has lived in New Jersey for almost 25 years, her words come out with rapid-fire speed, but quickly put a listener at ease.

Born in Turkey, Aral came to Stevens in 1987 as a newlywed when both she and her husband had goals of graduating from Stevens with master’s degrees. Her husband, Mehmet Nehrozoglu, instead received his M.B.A. from New York University, but Aral stayed at Stevens, earning a master’s degree in 1990 and a Ph.D. in chemical engineering from Stevens six years later.

She’s worked at four companies since her Stevens days, but with her “make lemonade” attitude on things, Aral is quick to point out that every job has helped to contribute to the scientist she is today. “Every job has added to me. It’s just been a different kind of thinking at each place,” she said. During her time at Unilever, the personal care company, she worked with soap bars, body wash and cosmetics. When the company relocated to Connecticut, she commuted from her New Jersey home for a short time. But she realized the long commute wasn’t for her and she knew she was ready for a more managerial role. “I was a small fish in a big tank there,” she said.

While working for Takasago, a fragrance company, she got the chance to lead a team, but soon after starting there, she was let go in 2007 due to the economy. But, in her ever-optimistic attitude, she looks at the short break in her career as a positive.

“I was laid off from Takasago in mid-June and I started with GHRI in mid-September, so I had the summer off” to be with her daughters, then ages 10 and 5, she said. When the GHRI position was offered to her, she was hesitant at first. “I wasn’t sure what the job specifically was or that I would be good at it,” she said. “Publishing and science—could I do that? But it has been wonderful these past four years and I really love it.”

At GHRI, Aral gets to combine the scientific testing of products and the reporting skills needed for a magazine and online site. She said her days are never dull and she loves being an investigator on “real situation products” because, as she points out, we are all consumers, so the products she tests are things that are widely used by everyone.

She is part of a team with two other researchers and each product, on average, takes six months to investigate from start to finish. “There is scientific thinking in everything,” she says.

As the mother of two daughters, does she hope they follow her footsteps into the sciences? “I think it backfired,” she said, as she laughs heartily. “They are both more into the arts, but who knows? They do well in science and my husband and I don’t pressure them, and as long as they do well in school, they’re OK,” the West New York, N.J., resident said. “I tell them you have to make a living and you have to be happy while you’re doing it.”

And this chemical engineer speaks from experience. She is satisfied with her work and life. “You have to go with the flow of things. It’s hard nowadays to think ahead because things in life change so quickly. But doctors and engineers are still around, so I guess people still need them.”

Birnur Aral, M.Eng. ’90, Ph.D. ’96, leads a team that tests products for the Good Housekeeping Research Institute in New York City.
Alumni Profile

Reaching for the Stars

John G. Puente, M.S. ’60, telecommunications satellite pioneer and entrepreneur, recalls extraordinary career

By Beth Kissinger
Editor

A s John G. Puente, M.S. ’60, and his team prepared to launch the Orion I satellite from Cape Canaveral in 1994, Puente took a moment. Looking into the November sky, he saw it: the Orion Constellation, burning brightly.

“I said: Wow! What a coincidence!” Puente recalls almost 20 years later. “That was amazing.” So was knowing that for the next 15 years, Orion I, a telecommunications satellite he helped to build, was orbiting 22,500 miles above the earth.

The Orion I project—the first international private telecommunications satellite to file with the FCC to launch into space—is just one of many achievements for a man who has enjoyed a long career as an engineer, entrepreneur, executive and philanthropist.

It wasn’t always an easy path. The New York City native joined the Air Force after high school because he needed money for college. Even with the GI Bill, “I had all kinds of jobs,” he says with a laugh, from Bell Labs technician to manual laborer in New York’s Garment District, to help pay for college.

Puente knows what it’s like to work hard to get a good education. Now, he wants to help those who desire a Stevens education just like he experienced. So Puente and his wife, Beverly, have established the John G. and Beverly A. Puente Endowed Scholarship for Stevens students.

Puente juggled jobs while attending the Polytechnic Institute of Brooklyn, where he earned his bachelor of engineering degree in 1957. He later chose Stevens for graduate school because he was living and working in New Jersey, and it was convenient, he acknowledges.

He was married and attending night classes—which he paid for himself—and had little time for anything else. But Puente

John G. Puente, M.S. ’60, enjoys the Stevens Presidential Inauguration Gala last fall with his wife, Beverly. The entrepreneur and telecommunications satellite pioneer received the 2011 Charles V. Schaefer, Jr. Entrepreneur Award at the gala, honoring his extraordinary career.
soondiscovered that Stevens had some terrific professors and a
top-notch engineering program, from which he earned his mas-
ter’s in electrical engineering.

“I have fond memories of Stevens,” he says. “I learned a lot
there.”

Puente would use what he learned to become chairman and
CEO of Orion Network Systems, the company that launched
Orion 1. He was also a founder of several telecommunications
companies, including Digital Communications Corporation
(now Hughes Network Systems), which focused on satellite
telecommunications, and SouthernNet, a fiber optic company.
Puente also served as chairman of Telogy Networks, Inc., which
provided embedded communications software products for
wireless and IP networks and was founded by Stevens Board
Member Thomas Scholl.

Now retired and living in Potomac, Md., Puente, 81, serves as a director with Micros
Systems, Inc., a provider for enter-
prise applications for the hos-
pitality and retail industries. For
his many achievements as an
entrepreneur, Puente received the 2011 Charles V. Schaefer,
Jr. Entrepreneur Award from
Stevens last fall.

In conversation, Puente is
down-to-earth and self-effac-
ing, despite his accomplish-
ments. He generously shares
memories—with wonderful
detail—and seems quietly proud of his journey.

Raised in New York City and, later, Union City, N.J.,
Puente is the younger step-brother of the late legendary musi-
cian Tito Puente, who tried in vain to get him interested in mu-
sic. (“I had no talent,” John Puente says with a hearty laugh.)
Instead, his passion was for math and technology. As a child, he
built model airplanes and dreamed of being a fighter pilot.

Strict vision requirements prevented that but, after gradu-
ation from Union Hill High School in Union City, Puente did
join the Air Force, where he was trained as a radar technician,
and served in Japan during the Korean War.

A mentor suggested that he enter Polytechnic and he en-
rolled after the war, becoming the first in his immediate family
to graduate from college.

Work with ITT Labs and IBM followed and then came the
job offer from COMSAT, a pioneer in satellite communications.

“I was saying to myself: what do I know about satellites?”
Puente says.

Puente learned quickly, specializing in international satellite
communications, and finally running three laboratories at
COMSAT, focusing on satellite communications, spacecraft
and antennas. Puente was an engineer in the control room when
COMSAT launched the first commercial communications
satellite, the Early Bird, in 1965.

“My whole career at COMSAT was very exciting for me,”
he says.

After nine years there, he wanted to strike out on his own
and in 1972 was a founder of DCC; Puente became chairman,
helping to build it into a multi-million company.

His years as CEO of Ori-
on Network Systems were also
a career highlight—with a few
hair-raising moments.

While Orion Network
was responsible for the
 telecommunications com-
ponents on the Orion I satellite,
the satellite itself—the size of a
small truck—was built by
British Aerospace. So when the
first launch was scheduled for
that November 1994 day,
partners from all over the
world gathered at Cape
Canaveral. The rocket was on
the launch pad; the count-
down reached 0 – but nothing
happened.

“I ran down to the operations room: What’s going on!” he
recalls. The computer system had shut off the launch due to a
cable on the launch vehicle not releasing. The satellite’s maiden
journey into space finally came a week later.

In recent years, Puente has spent more time on volunteer
and philanthropic causes. For 30 years, up until 2010, he
chaired the board of trustees of Capitol College, a college dedi-
cated to engineering, computer science, information technol-
ogy and business in Laurel, Md.

This father of three sons and grandfather of three has played
many roles, but engineering occupies a special place.

“Engineers are trained to solve problems,” he says. “You
want to go to the moon? You have to solve a lot of problems to
get there.

“Engineering is always exciting because it’s always a new
challenge.”
Significant donation from Sean Hanlon ’80 helps create financial systems lab

By Paul Karr
Special to The Stevens Indicator

As a kid growing up on the Jersey Shore, John “Sean” J. Hanlon IV loved numbers. He memorized the batting averages from the newspaper of his favorite ballplayers every day and imagined himself as a successful businessman one day.

When his grandfather, John J. Hanlon Jr.—an attorney contracted with Stevens for outside legal counsel—strongly encouraged him to apply to the university, it seemed that goal of working in finance might have to wait. But Hanlon took his grandfather’s advice and immersed himself in math and science “and the minimal humanities” classes, graduating with a degree in mechanical engineering in 1980.

His boyhood dream of operating a successful financial business? It did eventually come true—and now Hanlon has given back to Stevens in spectacular fashion as thanks, through a significant gift to help establish the new Hanlon Financial Systems Lab. Scheduled to open in spring 2012, the lab will simulate an actual Wall Street trading room. And it will train and inspire finance-minded Stevens graduates to analyze and test solutions to financial questions for years to come.

“My engineering education caused me to want to dig deeper into solving investment problems for investors,” explains Hanlon, chairman, CEO and Chief Investment Officer of Hanlon Investment Management, located in Egg Harbor Township, N.J., and a Stevens Board of Trustees member since December 2010. “I wanted to attempt to provide better investment outcomes. That set me on this path.”

Today, Hanlon continues to live at the Jersey Shore with his wife, Cathy, and their two children; sits at the head of a financial services company advising the management of over $3 billion worth of personal and corporate assets; writes about investment strategies for Forbes; and gives generously to Stevens and other philanthropic causes.

“We’ve done well,” Hanlon says about the proprietary investment models he developed and tested during the 1990s and continues to use today.
Engineering financial success

Hanlon didn’t jump into finance immediately upon graduating Stevens, but instead developed an interest in it during a two-year stint as a project engineer for the chemical firm Rohm and Haas.

“I knew I wanted to do something beyond being a project engineer, and fortunately, Merrill Lynch saw something in me,” he recalls.

Hanlon trained with Merrill at the famous One Liberty Plaza building adjacent to the World Trade Center. Upon completion, he was assigned to a sales position in the financial giant’s local office in Atlantic City—a fortuitous assignment for the kid from the Shore.

“I couldn’t believe my luck,” he chuckles. “I told them, ‘You’re going to let me begin a career in finance? On the Jersey Shore? Am I dreaming?’”

After 15 years in sales, Hanlon changed course again, deciding to open his own firm. He obtained a Certified Financial Planner (CFP) certificate in 1997 and opened Hanlon Investment Management two years later.

Assisted by a then-new research tool called “the Internet,” he began spending hours researching, creating and back-testing investment ideas and systems before eventually settling on a blend of modern portfolio theory—a strategy that spreads out risk by diversifying investments—and his own methods, which leap onto positive trends and ride them a few months before leaping back off as they show signs of turning south.

“I trust the math,” explains Hanlon. “I’m a numbers guy. We don’t worry about the future—what if the price of oil does this, or this guy gets elected, or talking heads start shouting about stock ideas on television. That’s just noise to us. As the prices move, we just want to be a part of those moves. We stay out of the business of being long-term forecasters; there are simply too many variables.”

Though he originally consulted face-to-face with individual clients, Hanlon quickly identified an alternate business model to deploy his new portfolio management methods: as a service to the rapidly growing industry of independent financial planners and advisors, who needed sound investment models and strategies to present to their clients.

Between 2001 and 2011, his company’s assets under management soared from $35 million to over $3 billion. The firm largely avoided the crash of 2008 by converting client holdings completely to cash in June of 2008 and waiting out the dramatic drops on Wall Street. When the trends began to tick up again in March of 2009, Hanlon was liquid and prepared to capitalize by making major investments.

“We essentially broke even in 2008, while the S&P 500 was down 35 percent and some emerging markets were down 50 percent or more,” he says. “We did it by trusting the research.”

Giving the gift of financial training

In recent years, Hanlon has turned some of his time to philanthropy and corporate guidance. Beyond his work as chairman of the advisory board to the Stevens Financial Systems Center, he also serves on the advisory board for Pershing Advisor Solutions, a Bank of New York Mellon subsidiary broker dealer. He previously served on the advisory board of SunAmerica Securities; as chairman of the Linwood Education Foundation; and as chairman of the Seabrook House Foundation.

Hanlon also increasingly finds himself on the Stevens campus, where he enjoys reconnecting with the place he says shaped his thinking and prepared him for his eventual success.

“All my Stevens professors made an impression on me, and did a wonderful teaching job,” recalls Hanlon. “It has been especially refreshing to reacquaint myself with Dick Magee’63, my former fluid mechanics professor, who serves alongside me on the Board of Trustees. Dick has incredible passion for Stevens.”


The lab will include the entire accoutrements one would expect from a Wall Street trading room—terminals, tightly packed trading desks, tickers. Stevens students will learn quantitative financial methods first-hand, performing the same risk management operations that hedge-fund managers, advisors and planners perform daily. Courses for Stevens graduate programs in financial engineering, as well as Internet and network security, will also utilize and benefit from the lab.

“Financial services is the second-largest industry employing recent Stevens graduates,” pointed out Hanlon while visiting campus in January. “Think about that. Basic training in this field is not only important, but essential in this day and age. Stevens has always, and will continue to, understand the marketplace and the skill sets required for our undergraduates to become immediate, valuable contributors to industry.

“This combination of computer science, systems, engineering and investment and finance courses makes our students second to none in terms of education. The Hanlon Lab and the Financial Systems Center will help provide these key skills.”

And, he might have added, help inspire the next generation of Sean Hanlons to matriculate, learn at and graduate from Stevens.
Alumni Business Directory

LAWRENCE LOWY ASSOCIATES
113 DeWitt Street, Suite 203
Garfield, New Jersey 07026

A Manufacturer’s Representative & Distributor of:
- Electrical Heating Cables for Freeze Protection
- Electric Heaters of all types
- Steam & Gas/Oil Fired Hot Water Heaters
- Oil/Water Separators
- Water Treatment Systems to prevent Scale Build-Up.

Patrick A. Riotto ’74 — President
Phone (973) 772-9224 • Fax (973) 772-9226

I can help you reach your milestones and all the mile-pebbles
Merrill Thor, CFP
Financial Advisor
Business Financial Advisor
34 A Mountain Blvd
Warren, NJ 07059
908-755-2552
merrill.g.thor@ampf.com
ameripriseadvisors.com/merrill.g.thor

To start a conversation, call me at (908) 755-2552.
Ameriprise Financial Services, Inc. Member FINRA.

Kenneth F. Abel ’79, ’84
1235 Putnam Ave. • Plainfield, NJ 07080
Tel: (908) 727-3521 • Fax: (908) 756-0763
kfabel@abel-consulting.com
www.abel-consulting.com

Audio & Audiovisual Systems Design & Specifications
Architectural Acoustics, Design & Build Services
Owners Representative & Contract Administration Services

The Stevens Indicator
To reserve space in the Alumni Business Directory, please call (201) 216-5161 for more information.
Retirement agrees with Phil Kimball ’62, M. Eng. ’66. Well, not the traditional idea of retirement, anyway.

When he hung up his hat as executive director of the Society of Naval Architects and Marine Engineers (SNAME) in June 2010, he never really got into the habit of relaxing and taking it easy. He didn’t have time. Within a few months of calling it quits, he embarked on a new adventure, becoming program director for SeaPerch, a K-12 educational outreach program that trains teachers on how to cultivate an interest in science and engineering for middle and high school students through a hands-on learning project where students build their own underwater robots.

And this ocean engineer wouldn’t change his decision one bit. “We teach the teachers to build the SeaPerch underwater robot,” he says. “We train up to 20 teachers at a time from a region or from a school district, and two of us are there: one to lecture and one to provide assistance when problems or questions arise,” Kimball says. The teachers return to the classroom and supervise students working in teams of two to four as they build the robot over the next semester.

As for the hours he puts into this venture, “I like to call it half-time. Some days or weeks, it’s more like full-time, up to 12 hours a day, which is what I did when I was working, but most days it’s half-time, about four hours a day.”

SeaPerch is an underwater robotics program where students build a Remotely Operated Vehicle (ROV) as part of a Science, Technology, Engineering and Mathematics (STEM) curriculum either in class or as part of an after-hours club. Teams of students collaborate to build the SeaPerch from a kit and as they build, they learn basic scientific and engineering concepts while fostering teamwork. The teams can then enter local and regional competitions in their state to test their skills against their peers.

The idea for SeaPerch was born several years ago when the U.S. Navy became concerned about a large number of senior engineers and scientists who were planning to retire. Future engineers needed to be cultivated or a large gap would ensue. The Navy approached universities and professional engineering societies for help in promoting science and engineering in a coordinated way. At that time, Kimball was heading SNAME, one society that was approached. The Office of Naval Research (ONR) issued a grant, which provided funds for the kits and teacher training, to SNAME in 2005, and SeaPerch was born. The program was successful immediately and has grown every year since, he says.

According to SeaPerch’s website, the United States has fallen from third to 17th in the world in the number of college graduates in engineering programs, with only 5 percent of science degrees awarded in engineering, as compared to 50 percent in China. So the need to tap the next generation of engineers and scientists is critical, Kimball says. SeaPerch held its first National Challenge, managed by Kimball, in May 2011. He worked with 40 middle and high school teams from school districts and after-school clubs across the country. At this event, top robotics teams participated in team poster presentations, a vehicle underwater obstacle course and a simulated seafloor oil spill that required teams to cut the flow, cap the well and conduct recovery operations. The 2012 National Challenge will be held at Manassas Park Community Center in Northern Virginia from April 11-13, with expected participation to double from the 2011 numbers. Since its inception, more than 2,000 teachers have been trained and more than 28,000 students in 38 states have been a part of the program.

The SeaPerch kits come to the schools unassembled, which
Above: Phil Kimball describes competition days as “two days of work, but I love it.” Right: Phil Kimball discusses a Remotely Operated Vehicle (ROV) at the Prince William County, Va., Schools’ Regional SeaPerch competition, held this past December.

is a great way for kids to learn, Kimball says. “They get the opportunity to build something hands-on and they get hooked on the engineering and scientific principles by wiring and soldering their own circuits, building the frame and waterproofing their motors,” he says. “It fosters a new found interest in engineering and science early on and creates a future for the industry.”

Susan Giver Nelson, executive director of the SeaPerch program, says the feedback from teachers is overwhelming.

“I think the teamwork aspect is important as well – kids work together to complete the build and the mission, and it seems to bring out the best in them,” she says.

Kimball’s long career reflects his love of the water as most of it has involved something to do with ship design and marine transportation. Before heading SNAME, he was president and CEO of Technitas North America, where he provided naval architectural and marine engineering consulting services; he served as vice president for marine business development at Bureau Veritas North America; and he was vice president of commercial programs at M. Rosenblatt & Sons where he handled strategic planning and development of commercial ship design and construction. He’s also been an active volunteer at Stevens, working as an alumni admissions recruiter, and serving on the Stevens Board of Trustees, the Stevens Alumni Association’s Executive Committee, and held the title of SAA president from 1981-82. Currently, he serves as the 1962 class secretary.

He grew up in Massachusetts (his dad was a mechanical engineer) before his family moved to New Hampshire. Kimball fell in love with that part of the country immediately and returned to the state often. He’s owned his home in New England for years and moved from New Jersey to Walpole, N.H., a small town on the western side of the state, permanently in the summer of 2010. Even in semi-retirement, the water is close to his heart as his piece of paradise is near Lake Sunapee, where he and his family sail their Catalina 22.

His duties at SeaPerch include traveling nationwide to help with teacher training, to coordinate groups starting SeaPerch programs, to judge competition events and to demonstrate the SeaPerch robot at educational conferences and trade shows. He says he sees a lot of diversity at SeaPerch events, with the interest split evenly between boys and girls. And at recent events in Baltimore and Detroit, minority groups were well-represented, he says.

Other groups are recognizing the need for engineers and scientists. Stevens has long supported the Center for Innovation in Engineering and Science Education (CIESE), which promotes excellence in teaching and learning STEM in grades K-12 and at the university level. Kimball doesn’t see SeaPerch as competition with CIESE and other groups, but rather, as a complimentary arm.

Reflecting back, he says his Stevens education more than 50 years ago well prepared him for the future. “At Stevens, I gained valuable leadership skills, which I have used throughout my career. I also learned management skills, which are easy to assimilate into various environments. (Starting out as a student and now becoming the teacher), I’ve come full circle back to education.”

“I couldn’t be happier,” Kimball says. “I’m an overgrown kid myself. You know when you’ve gotten to a kid? When they first realize they’re controlling the robot themselves, their eyes light up. That tells you that they got it. ‘Wow!’ is usually the first word you hear from the kids and the adults. (By working with this program), I know that I’ve met future engineers and scientists. I know that I am making a difference.”

For more information on SeaPerch, or to get involved, visit their website at www.seaperch.org.

If you know of an interesting Stevens alumnus/alumna who is doing something unique with their career or making a difference, please contact Lisa Torbic at Lisa.Torbic@stevens.edu or call 201-216-5531.
A Winning Season

Strong finish for fall sports at Stevens

By Rob Kulish
Stevens’ Director of Sports Information and Events

Coming off the most successful year in Stevens athletics history in 2010, expectations were high heading into the fall 2011 sports season. And while the Ducks didn’t send four teams to the NCAA Division III Championships like they did the year before, they did shine this fall, with men’s and women’s soccer leading the charge.

Both soccer teams captured Empire 8 conference titles and reached the NCAA Tournament. For the men, longtime coach Tim O’Donohue left Stevens for Division I powerhouse University of Connecticut in July, and the Ducks stumbled out of the gate, dropping two of their first three matches. But from Sept. 9, under new head coach Devin Rensing, Stevens began an amazing streak of 16-straight wins and enjoyed an undefeated conference regular season. Hosting the Empire 8 Championship, the Ducks did not disappoint, downing conference rivals Ithaca College and Elmira College to capture the conference title. The Ducks opened NCAA play with a win over Lehman College before advancing to the Sweet 16 in penalty kicks against Brockport. The men downed Amherst College in Round 16 before ending the year by falling to Montclair State University 1-0 in the national quarterfinals.

The men’s soccer team finished the year with an overall record of 18-3-1 and was ranked fifth in the D3Soccer.com Poll and sixth in the National Soccer Coaches Association (NSCAA) Poll. Junior Zach Adler was a first-team D3Soccer.com All-American after earning Empire 8 Player of the Year honors. Rensing won the Empire 8 Coach of the Year award and was promoted to permanent head coach of the Stevens soccer program after leading his team to one of its top seasons. Four Ducks earned NSCAA All-Region honors and two players earned Academic All-District nods from the College Sports Information Directors of America (CoSIDA). The NCAA Tournament appearance was the ninth straight for Stevens men’s soccer, dating back to 2003, and its Empire 8 title was its fifth since joining the conference in 2007. Stevens is now 14-7-6 in NCAA matches—one of the best records nationwide.

The women’s soccer team had another fantastic season, finishing with an overall record of 14-3-4, winning their second consecutive Empire 8 title and playing in their seventh NCAA Tournament. Like the men, the Stevens women started slow, dropping their first two matches. The tough beginning was no indication of what was to come, as the Ducks lost only one game during the rest of the season and rolled to the top seed in the Empire 8 Championship with a 6-0-1 conference record. In the Empire 8 tournament at the DeBaun Athletic Complex, the

Women’s tennis team captain Nicole Portner ’12 earned her second straight all-conference selection in 2011.
Ducks cruised over St. John Fisher College 3-1 before downing Nazareth College 2-0 for the conference title. The Ducks lost to Westfield State University in penalty kicks in the first round of the NCAAAs after battling to a 1-1 draw.

Freshman forward Ann Heine was named the Empire 8 Rookie of the Year, and women’s soccer head coach Jeff Parker, in his 12th year, was named the conference’s Coach of the Year. The team garnered other honors as six students made the all-conference team and two earned NSCAA All-East Scholar Team nods. Heine also took home Eastern College Athletic Conference (ECAC) Upstate Rookie of the Year honors, while the team won the NSCAA Team Academic Award.

Women’s tennis also had an excellent 11-1 season, falling only in the Empire 8 Championship match against Ithaca College. Six students received All-Empire 8 accolades and the team cracked the Intercollegiate Tennis Association Northeast Rankings for the first time ever, ranking 20. Freshman Jessica Bourque was ranked 17th among all singles players in the country and earned conference Player and Rookie of the Year honors. The women’s tennis team will start the spring portion of its schedule during spring break in Orlando, Fla., in March.

The Stevens field hockey team reached the postseason for the fourth-straight season, earning a berth in the Empire 8 Championship semifinals and advancing to the semifinals of the ECACs. Senior captain Mallory Swanson became the fifth National Field Hockey Coaches Association All-American in the program’s history and was also the Empire 8 Player of the Year. Four players earned all-conference honors and senior midfielder Jillian Price finished sixth nationally in assists.

In women’s volleyball action, junior Maggie Kowalska was named American Volleyball Coaches Association All-American for the third year in a row. And the men’s cross country team placed second at the Empire 8 Championships—the best finish in the program’s history.
Helping Hands

Wounded alumnus recalls the kindness of strangers during World War II

Editor's Note: Capt. Edward F. Egan '40, Hon. D. Eng. ’89, served as an engineering officer in the Army Air Force, based in the Pacific, from June 1942 to December 1945. In honor of the recent 70th anniversary of the United States’ entry into World War II, Egan has shared an April 1945 letter that he wrote to his future wife, Doris, an Army nurse stationed in England. Here, he recounts an unexpected crash landing—and memorable stay—in the Philippines the month before. Army censors prohibited him from sharing that he had been picking up supplies off the northwest coast of New Guinea, hitched a ride on a B-25 headed for his base in San Marcelino, Luzon, in the Philippines, ran off course and crash landed on Catanduanes, a small island off Luzon’s east coast.

Letter to Lt. Doris Cunningham, 104th General Hospital, Ringwood, England
From Capt. Edward F. Egan, 499th Bomb Squadron, 345th Bomb Group, San Marcelino, Luzon, Philippine Islands
April 7, 1945

Dear Nurse,

Light up a cigarette, settle yourself comfortably on your sack and get some soft music on the radio, for I have a story to tell.

A while ago, I flew to a former base to get some equipment. It was a good trip, and I mixed business with pleasure by swimming and visiting a couple of doctor friends. I was a bit loathe to leave but, finally, a plane came for me and I left.

There were eight of us aboard the B-25. The pilot was Lt. Cavins, co-pilot Lt. Langdon, engineer Sgt. Singerman, radio operator Sgt. Mazerolle and navigator Lt. Tarwater. Besides myself, there were two other passengers, Lt. Boeing and Sgt. Peters.

The weather was pretty good at first, but as time wore on, it began to get worse until it became downright bad. We kept on, though, because we thought it would break, but it didn’t. The radio operator tried to raise our destination and get a bearing but was not able to make contact. We were lost and running low on gas. Finally, the weather cleared up and we sighted an island. We didn’t know where it was, except that it was in the Philippines. There are 7,000 islands in the Philippines. I asked Cavins what he was going to do and he said our tanks were just about dry and he was going to set her down.

We picked a little bay near a village, but not too near in case there were Japanese there. Cavins was going to make a pass at the beach so we could drop some of our supplies and save them, but both engines quit almost simultaneously so there was nothing to do but drop her in. We hit the water first, but we were too close to the shore and smashed up on the beach. There was a lot of noise and bouncing around and then all of a sudden, we were still. I found that the fuselage had buckled, and my legs were pinned in, but otherwise, I seemed to be OK. Boeing hollered from the rear that Peters seemed to be hurt pretty badly but he and Mazerolle were all right. Cavins and Langdon were in good shape, Singerman had a deep cut on a finger and Tarwater had a foot caught.

Almost immediately, it seemed the airplane was surrounded by chattering Filipinos.

Somebody asked if Japanese were there. They said, “No Japs, no Japs here,” which was good news.

So Singerman got the crash ax and started chopping us out. His injured finger prevented him from swinging it, so a Filipino lad did the work on Singerman’s instructions. Meanwhile, other natives were peering in the windows, mopping my brow with leaves and fanning me with fronds. I asked for water, and I was handed a half coconut husk of good, cool water. It sure tasted good.
It took quite a while to get me out, about two and a half hours. After a while, my leg began to hurt so I took a shot of morphine from the plane’s emergency first aid kit, which helped. I later found cuts on my hands caused by pulling jagged pieces of metal. I was hauled out and carried to a nearby hut. Someone brought out a wicker armchair for me, and I took my pants off to take inventory. Except for some bad bruises, everything looked OK.

Some Filipinos said they were going to take me to their guerrilla headquarters, so I was hoisted up on their shoulders in the chair and paraded down the road. The morphine must have given me a jolt, for I was feeling good, and I remember waving to people along the road and making some attempts at humor.

We came to a small barrio and I was taken to a one-room schoolhouse. Peters was already there, having his cut bandaged by some girls. I asked how he was and he said his chest was hurting him a good bit. Singerman was there and he told me he thought he was going to lose the tip of his finger, which was now bandaged and bleeding. Someone brought me a glass of water and I talked to some of the guerrilla officers. One of them, a captain, said he was sending word to his commanding officer, a major at another town, about us. He informed me that there were no Americans on the island and only a small Japanese garrison, which was keeping itself barricaded, so the guerrillas had the upper hand. That, too, was good news. They had no radio, the natives that is, so the captain said the major would probably have us taken to the nearest American base by sailboat. I wanted to start immediately, for I was worried about Peters, but no. The captain said he must wait for the major, so we wait we must.

I was soaking wet from the salt water and hydraulic fluid from the airplane. Someone brought me clean, dry clothes: standard G.I. pants and shirt, the shirt having buck sergeant’s stripes on it. I never did find out where the uniform came from.

It was about 6 p.m. by this time, and we were brought supper. It was the first of a succession of fabulous meals, which was constant while we were there. I don’t think I’ve eaten as well since I came overseas. During our stay there, we consumed fried eggs, boiled eggs, rice, chicken rice soup, beef bouillon, pork, steak, chicken, sweet potatoes, scallions, unknown greens, banana and flour pancakes, deviled eggs, coffee from a native bean, bananas, sugar cane stalks and other exotic unusual dishes. For us, there was no rationing and we wanted for not.

During the evening we were visited by two attractive young girls, lieutenants in the WAS (Woman’s Auxiliary Service). The way they pronounced the letters, it comes out “wash.” And they are quite amazing.

They had excellent training in first aid and it was the WAS who took care of us in the schoolhouse. I learned they go out with their men when fighting. One pert little thing had a long scar over her left eye, caused by a piece of shrapnel from a Japanese trench mortar a mere 100 yards from the battle.

They couldn’t do enough for Peters. He had a bad gash on his head and two more on his right leg, his chest pained him when he breathed and his hip and tailbone were sore. They washed his cuts and, with the emergency first aid kit we salvaged from the plane, they sprinkled sulfanilamide on them before bandaging. Those were the first real medicines and bandages they had seen in a long time. Previously, they had been using native herbs and oil and such. And though they treated many wounded, they had never lost a casualty which they had been able to evacuate from the battlefield.

The girls sat with Peters all evening talking to him, fanning him and finally they sang us to sleep with “God Bless America.” Or they tried to. I guess Peters didn’t sleep any, and I know I just caught a few catnaps. Two of our “washes” sat up all night with us, and the guerrillas posted an armed guard on the building.

Next morning, Peters was still uncomfortable but in good spirits. The girls changed his bandages and also discovered some cuts on me which no one had noticed before. They daubed them with iodine.

At noon, the major showed up. He was a young fellow, just 25, and was wearing a khaki uniform with regulation insignia. The boat, he told us, was at a town about 10 miles away and tomorrow he would take us there. Then, it would be off for the nearest Army base. The further delay did not appeal to me much, but Peters was not getting any worse and all those people were being so good to us, I was not able to insist.

We had just finished lunch at the major’s house when he ar-

Doris and Ed Egan ’40 spent their honeymoon in Canada. This photo was taken on Jan. 20, 1946, the day after they married, while visiting a Montreal restaurant.
rived. Our host at the meal had been an uncle of the major who was the provost marshal. He was a character. To me, he looked and acted like Leo Carillo. We were drinking nipa gin, their local booze, which is made from coconut sap and although it doesn’t taste like Black and White, it has a potent kick. Old Leo was tossing them off neat and he was in fine fettle. About eight that evening, a youngster came to the schoolhouse with a violin and began to play. He was good too, and soon Singerman got up with a woman and began to dance. They were both good and everyone applauded. The Filipinos wanted to hear some American songs, so we sang with warmth if not with melody.

We left for the other village about 9 the next morning. Peters and Maze rolle were left behind, our plan being to have a seaplane go back for them as soon as we could contact the Army. Our procession was unique. Tarwater and I were in two wicker chairs, each of which had two bamboo poles thrust through them and were borne on the shoulders of four Filipinos, Langdon and Boeing rode two small horses, Singerman and Cavins walked. We had a platoon of guerillas with us. Tarwater and I had the deal though. We sat there like a couple of potentates, waving to people, talking to our manpower. All I needed was a big cigar. A native came up to me and handed me an egg and said, “Please accept my humble gift.” Little kids ran along with us and many people joined the parade as we neared the town.

Once there, we were taken to Leo’s house, where we were served cookies and more nipa gin. Leo was the grand host. We were asked if we would like a shower. My reaction was instantaneous as I had not shaved or bathed since the crack up. They took us to the rectory some blocks away where the priest, lo and behold, had a tiled floor bathroom and a flush toilet.

Back at Leo’s, we ate and then a boy with a guitar played and sang for us. He started off with “Goodbye Dear, I’ll Be Back In A Year,” which seemed a bit incongruous to me, swung into “In The Mood” and then gave out with a couple of tangos and rhumbas. He was good.

About three, we were taken to the municipal building. We were seated in chairs on the balcony, where we were joined by the major and some officers, the priest, the judge and other town functionaries. And then they put on a parade for us! First came a brass band, then a couple of platoons of guerillas who gave us “Eyes right!” which we returned with a salute feeling, as one of the boys later expressed it, like Mussolini! Finally all the males in town, it seemed, carried placards reading, “Welcome U.S. Airmen.” The parade went around the block and back. Soon, everyone gathered about as though some speochmaking was about to begin. And that is just what happened. The toastmaster spoke, the judge spoke, the priest spoke, the mayor spoke, and every blessed one of us spoke. We were the “distinguished American visitors,” the major was “their beloved major.” But they were earnest and sincere and we were caught up by their spirit and quite outdid ourselves thanking them for their hospitality and rattling on about Filipino-American friendship. Langdon, a country boy with a good tenor voice, sang. He was taken by surprise, but got up and made us all sing the “Air Corps Song,” which went over big.

A young woman came out and sang “God Bless America” and a mixed chorus sang a Filipino song. It was sunset when all was finished and the bugler blew, “To The Colors.” Then the band played “The Star Spangled Banner” while the flag was lowered. Just before the conclusion, the toastmaster announced that there would be a dance in our honor at the schoolhouse that evening.

We returned to Leo’s, ate, and talked while listening to a boy play the guitar. At 9 p.m., we got to the dance. The women all sat on one side of the room, the men stood at the other. Tarwater and I couldn’t dance but the others did and had a great time. There were some very pretty girls and Cavins, Langdon and Singerman played the field. The band was good. They started off with “San Antonio Rose” and played fox trots, tangos, rhumbas and waltzes. I was sorry I couldn’t dance but I had a fine time watching. I was tired and begged off about 10:30, but the rest did not stop until 1:30 and all had a good time.

We were up early in the morning and after breakfast were taken to the boat, anchored in the river on the edge of town about a mile from the sea. It was a sailboat of about 30 feet. There were about 22 aboard plus six monkeys and several chickens. We were six, about 14 guerillas
including the major, and there were even two Japanese. No fooling. One was loyal, had lived in the islands for about 16 years and was even a sergeant in the guerrillas. The other was a prisoner taken in their last fight who was being turned over to the Army. The Filipinos seemed to treat him fairly well although they kept him busy bailing out the boat. There was a crowd along the shore to see us off and they began throwing straw hats as we shoved off until we all had one.

I was almost sorry to leave. If it had not been for Peters, I would not have minded a few more days of basking in their care and eating that marvelous food. Of course, our egos had been tremendously inflated by their treatment of us, but it was still great to be the object of so much attention and to be treated as six ordinary guys who got lost, not as the “distinguished American visitors.”

It wasn’t until noon that a breeze sprang up. A fire was built in a small stove and a meal of rice and carrots and boiled eggs was prepared for us. That evening, they killed one of the chickens for a fine dinner. When the wind finally did come, we made good time. The major was quite proud of his boat, said it was the fastest in the island. After dark, we began singing and telling jokes. The Japanese prisoner apparently was enjoying it. Through the other Japanese man (who did not speak English but did speak the native dialect, of course. If we wanted to talk to the prisoner, it had to be relayed through a third tongue), he said he would like to sing a song in Japanese. And he did, some Army song, and then darned if he didn’t follow it with “La Marsellesaise,” in Japanese.

It was a bright moonlight and about 1 a.m., we sighted a ship ahead of us, which crossed our bow, sailed away and then passed in front of us again, moving very slowly. We recognized it as an American destroyer. We had a flashlight aboard and blinked S.O.S. a few times. For a while there was no reply, but finally it blinked back that our message was received and it bore down on us. When it was in hailing distance, we shouted that we were a B-25 crew and they told us to come alongside. We said some injured were among us, so the ship’s doctor was awakened. The captain also was up, looking rumpled and sleepy in his dressing gown. We briefly told him our story and he gave instructions to send a message of our rescue and of the two remaining on the island. Then the doc took us down to sick bay and went over us. He said my leg would be OK and put a bandage on it. He sewed Singerman’s finger up and told him the tip would not be lost. In the wardroom, sandwiches, an apple pie, and Silex-made coffee was waiting for us. I made a pig of myself again and then crept into a soft bunk between white sheets. Ah, peace.

Well that’s about it. The destroyer brought us back while we ate their good food and we poked our noses into every corner of the ship. We were told that every gun on the ship was trained on us the night we were picked up as they couldn’t figure out what we were.

We were joyfully received back at the group. The colonel had us all in his office to hear our story, group public relations took our pictures and the Associated Press sent out the story. We entertained the major for a few days and finally took him to the base, where his boat was, and presented him with a couple of cases of cigarettes, some clothes, and 10 in 1 rations, although after what I ate on his island, I cannot quite see the point of the last. In return, he gave us all presents: the colonel, a Japanese samurai sword; Singerman, two monkeys; me, a Japanese battle flag and two bleeding heart doves (which I think I shall set free, although they are very pretty). We parted with protestations of everlasting friendship. And I meant it. I’ve never met such people.

By the way, Peters will be OK. So this story has a happy ending. It might not have been, but we were lucky. We had all the pleasures and excitement of such an experience without any of the sorrow and hardships. Many others have not been so fortunate and I hope I will never forget it.

We were fortunate in another respect, too: missing reports were not sent out. If they were, the folks would have received one of those War Department telegrams regretting to inform them their son is missing. That I was sweating out. Mother would have had a bad few days until the news of our rescue had reached her. But for now, enough. This has run its course.

Ed

PS. Things have obviously been left out for censorship reasons. What there is I hope will not infringe, but if any of it is cut, please tell me about it. The Army’s decisions on just what is and what is not censurable have long been a puzzle to me.

In January 2012, Ed Egan provided this postscript. He returned to the United States in October 1945, was discharged at Fort Dix, N.J., and returned to his job at J.O. Ross Engineering Corp. in Manhattan, N.Y. When he came home from the Pacific, he weighed 128 pounds and his skin was yellow from more than two years of taking the drug Atabrine to prevent malaria. Doris Cunningham returned from England in September 1945 and worked at an Army hospital in Valley Forge, Pa., until the couple wed on Jan. 19, 1946, and she was discharged. They have five children, 11 grandchildren and a great-grandchild on the way.

In 1946, Egan, along his father and his brother, Lawrence ’43, founded Frank W. Egan & Co., later Egan Machinery Corporation, a manufacturer of paper converting and plastics extrusion machinery headquartered in Somerville, N.J. Ed eventually served as the company’s president before retiring in 1983. Ed and Doris live in Manasquan, N.J.
Stevens Institute of Technology is pleased to recognize the generous alumni, students, faculty, staff, friends and community members who support the University each year in the 2011 Record of Philanthropy. Please take great pride in knowing that your annual contributions and ongoing philanthropy enable Stevens to achieve the next level of influence, effectiveness and excellence. Thank you again for your generous support of Stevens Institute of Technology.

Together we can take Stevens to even greater heights.

Sincerely,

Edward C. Eichhorn ’69
Vice President for Development
Catching up at the Old Guard Luncheon this past fall were, standing from left, John Andrus ’53 and Joe Schlig ’49. Seated were Marlene Sitter, at left, and Bobbie Schlig.

Classmates from 1951 Charlie Berendsen, at left, and Ed Havranek stop for a photo at last fall’s Old Guard Luncheon, held in the Bissinger Room at Stevens.

Several members of the Class of 1961 accepted their first invitation to the Old Guard Luncheon this past fall. Here, the group poses with Stevens president, Dr. Nariman Farvardin. Pictured are, from left, Fred Dietrich, Art Ketterer, Jay Wartell, Dr. Farvardin, Petros Beys, Gary Fitton, Leon Hojegian and Richard Walters. Several classmates met earlier in the day to discuss their 50th anniversary reunion, which was held in June.
Stevens Metropolitan Club
By Don Daume ’67, SMC secretary

You are cordially invited to attend our luncheon meetings and are encouraged to become an official “dues-paying” member of the “mini” but “mighty” Metropolitan Club. Our meetings are normally on the fourth Thursday of every month (except in November and December) throughout the year. Starting at noon, our venues are good restaurants (with close-by parking) in and around Hoboken, with occasional forays outside Hudson County. Our membership varies each year between 35 and 55 alumni, most of whom are also Edwin A. Stevens Society donors, and with a high percentage of Stevens Alumni Award recipients.

The Metropolitan Club was incorporated in 1939 and, so far, has been the only club to donate as a club to the Stevens Scholarship (some $33,000 in the past 30 years). Our newly-elected president John Stevens ’72 has picked up the gavel from outgoing president Marty Valerio ’68 (first elected in 2007), and looks forward to greeting you. Please do call the Alumni Office at (201) 216-5163 for the date and location of our next meeting.

Join the fellowship and fun in support of our Alumni Association and our alma mater. See you there.

At the Stevens Metropolitan Club’s holiday luncheon in December, Dr. Nariman Farvardin, standing on right, presented three active alumni with Presidential Pins as a thank you for their dedication to the Institute. Receiving the pins were John Hovey ’57, standing on left, and sitting, Bob Bosse ’50, left, and Joe Schneider ’46.

This past December, the Stevens Metropolitan Club’s annual holiday luncheon was well attended. Stevens Alumni Association Executive Director Anita Lang, at left, poses with SAA and SMC Past President Marty Valerio ’68 and Darlene Frazier, of the Stevens Alumni Office.
Bob Bosse '50 and his wife, Rose, both sitting, have hosted the Stevens Metropolitan Club's annual holiday luncheon at the Knickerbocker Country Club in Tenafly, N.J., for several years. This past December, they welcomed Dr. Nariman Farvardin and his wife, Hoveida.

West Coast Florida Club

The West Coast Florida Club held its monthly luncheon in November at the St. Petersburg Yacht Club in St. Petersburg, Fla. Holding the club's Stevens banner, from left, are Bill Graf '50, Don Landmann '51, Clare Landmann and Donna Mazzilli. Back row, from left, are Betty Goldie, Paul Corrao, M.T.M. '99, Joe Nye, Brenda Heins Nye (widow of Charles Heins '53), Stewart Goldie '51 and Otto Mazzilli '57.
Fishing Club
By Dick Magee ’63

The first 2011 fall stripers trip was held on Nov. 10, 2011. Since the fishing up north (Sandy Hook, N.J.) had slowed considerably, Capt. Burke moved his boat the Mad Gaffer to Belmar, N.J., to shorten the trip to the current best fishing location off Long Beach Island. The weather was heavy fog and the seas moderate in wave height.

The eight-member group limited out with 16 large stripers (two per fisherman) and added about 10 large bluefish. Gerry Ferrara ’76 won the pool, and Stevens Assistant Professor Mahmoud Wazne, Ph.D.’03, landed a double header (two stripers at once), which proved a challenge to reel in.

If you would like to join a trip in 2012, email Dick Magee ’63 at rsmagee@rcn.com.

Left: Stevens Assistant Professor Mahmoud Wazne, Ph. D. ’03, landed a “double header”—two stripers at the same time—on the trip last November off Long Beach Island, N.J.

Boston Club

The Boston Club met at the Museum of Science in Boston in January to tour the exhibit dedicated to the doomed city of Pompeii titled, “A Day in Pompeii.” Braving a snow-storm to gather for the day, from left, are Doug Sulzer ’70, Vin D’Agostino ’82, Boston Club co-chair Phyllis Doig ’85, Lucy and Joe Krieger ’75, Debi Motler ’86, and Bill Kelly. Jim McCann ’78 is not pictured.
Morris-Passaic Club

The Morris-Passaic Club made its annual visit to the Valley Shepherd Creamery in Long Valley, N.J., last June to meet some newborn baby lambs, sample homemade cheeses and learn more about the operations of this dairy and sheep farm owned by Debra Van Sickle Wajswol ’78 and Eran Wajswol ’77.

Eran Wajswol ’77, at left in light pants, speaks to Stevens alumni and guests about his dairy and sheep farm, which he runs with his wife, Debra Van Sickel Wajswol ’78.

Stevens Alumni Environmental Professionals Club

The Stevens Alumni Environmental Professionals Club gathered last September at Stevens to learn more about the new Croton Water Filtration Plant being built in the Bronx, N.Y. Rodrigo Cruz ’00, a site project engineer for the $3 billion project, spoke about the filtration plant during the meeting, which attracted alumni, students and faculty members.
Helen DeGraw, left, the wife of SAA Clubs Director Ken DeGraw ’57, shares a moment with Monica and Brent Beeaman ’03 at the Washington, D.C., holiday party.

Left: Michael Kish ’83 attended the D.C. Club holiday party with Rachel Canada.

Above: D.C. Club President Ray Durante ’50 greets Anita Lang, executive director of the Stevens Alumni Association, at the party.

Classmates Jean Zaborowski Brick ’82, left, and Betty Shinn Wells ’82 reunite at the D.C. Club holiday party.

The Washington, D.C., Alumni Club enjoyed a strong turnout at its annual holiday party this past December, when more than 100 people gathered to celebrate the holidays and welcome the new Stevens president, Dr. Nariman Farvardin. Here, Dr. Farvardin, center, greets Foster Miller ’76, left, and Jack Sanborn ’54 at the party, held at the Congressional Country Club in Bethesda, Md.
STEVEN'S INSTITUTE OF TECHNOLOGY ANNOUNCES THE LAUNCH OF THE FINANCIAL SYSTEMS CENTER

STEVEN'S ON THE STREET, an affinity group representing alumni from various sectors in the financial and business industries, is proudly hosting the exclusive launch event for the FSC.

Please join us on Tuesday, April 17, 2012

For details, please visit: www.stevens.edu/fsc

THE FINANCIAL SYSTEMS CENTER (FSC)
The Financial Systems Center (FSC) at Stevens Institute of Technology is a state-of-the-art financial research and teaching facility that supports programs at the undergraduate, master and doctoral levels. The first of its kind in the United States, the FSC will serve as a platform for financial systems research, including the development, testing and evaluation of software for financial networks; the investigation of cybersecurity challenges in the financial domain; and the application of systems thinking and related methods to the behavior of complex financial systems.

THE HANLON FINANCIAL SYSTEMS LAB
The heart of the FSC is the state-of-the-art Hanlon Financial Systems Lab. This Lab came into being as the result of a generous gift by Stevens trustee and alumnus Sean Hanlon. The Lab will integrate the latest hardware and software technologies, accessing both real-time and historical time series data to support innovative research into the most common and urgent problems in contemporary finance. The Lab will also serve as a teaching and training venue for faculty, students and industry.
Anthony Rubinaccio, M.S. ‘92, serves as the executive director of the New Jersey Board of Pharmacy. He lives in Boonton, N.J. Shalaka D. Tayade, M.Eng. ‘11, works as a civil engineer with Al Engineers in New York, N.Y., and lives in Keasbey, N.J. She can be reached at shalaka111@gmail.com. Jeffrey R. Janek, M.S. ‘11, is the manufacturing lead on the SAP implementation project at Novartis in Fort Worth, Texas. He lives in Burleson, Texas, with his wife, Yildiz, and their three children. Jeff can be reached at Jeff.Janek@alconlabs.com.

Justin J. Redmond, M.S. ‘11, works as a project manager with Power Concepts, LLC, in New York, N.Y. He lives in Hoboken, N.J.

Richard E.J. Glicini, M.S. ‘85, is a senior vice president for People and Social Responsibility at Pearson Education in Saddle River, N.J. Hyunjae Ryan Kim, M.Eng. ‘04, Ph.D. ‘09, works as a research scientist with the NYU Center for Genomics and Systems Biology in New York, N.Y. He lives in Manhattan with his wife, Na Seung Lee. Xiaoling Chen, Ph.D. ‘10, works as a scientific programmer with the University of Texas Health and Science at Houston. She lives in Sugarland, Texas, with her husband, Zhanke Liu, and their son. Linda Scanlon Beninghove, M.S. ‘03, is head of Reference and Research Services at the S.C. Williams Library at Stevens. She lives in Jersey City, N.J., with her husband, Bryan, and their daughter. Ayush Mathur, M.S. ‘10, sent an email to the Alumni Office telling us that he’s now an HCL consultant with UTi, Portland, Ore. He lives in Beaverton, Ore., and can be reached by e-mail at amathur@go2uti.com.

Joseph S. Furando, M.S. ‘95, is vice president of sales and marketing at CIMA Green, LLC, in Park Ridge, N.J. He and his wife, Christine, live in Saddle River, N.J., and have one son. Eric Peter Lozauskas, M.S. ‘10, is director of information technology with the Bergen County Cooperative Library System (BCCLS) in Hackensack, N.J. He lives in Fairfield, N.J.

Shankar Bhardwaj, M.S. ‘04, is a merchant mariner with the International Organization of Masters, Mates and Pilots in Pasadena, Texas. He lives in Houston with his wife, Shwetha; they have one daughter. Paul Corrao, M.T.M. ‘99, is president of Roxsolida Solutions in Tampa, Fla. He lives in Tampa.

Robert W. Pettiford, E.M.T.M. ‘05, E.M.B.A. ‘08, serves as senior director, Micronet-works, with Time Warner Cable in Herndon, Va. He lives in Leesburg, Va., with his wife, Antoinette, and their two children.


Photo: Dennis Becker, D. Becker Photo

William L. Bolella, M.S. ‘90, wed Teresita Valenzuela on May 28, 2011, at Perona Farms in Andover, N.J. William’s youngest brother, the Rev. Edmund F. Bolella, performed the service. Read more about the Bolellas and their musical wedding in the Graduate Log.

PHOTO: DENNIS BECKER, D. BECKER PHOTO

At the Madison Hotel in Morristown, N.J., at a Presidential Reception held last fall, William Bolella, M.S. ‘90, left, with his wife, Teresita, chatted with William Sickles, M.S. ‘04, and his wife, Jennifer Nahvisickles, M.S. ‘04.
a classically trained operatic tenor. Singing at the wedding were members of the Sussex County Oratorio Society plus Ms. Shana Timms, who has also sung at the New York City Opera. Of course, not to be left out, the groom sang a song to his beloved during the ceremony, as well as finished the evening with a short set of songs for the guests. I suppose the combination of degrees and music makes me the ‘techie tenor.’"

When he's not singing, William is president of Mountain Light Consulting, LLC, which provides IT audit, compliance and project management services.

Moves: Leo Reich, Ph.D. ’59, a former research chemistry professor at Stevens, has given up New York weather for sunny Grange Queensland, Australia. Elizabeth Ellery Bailey, M.S. ’66, Hon. D.Eng. ’00, has traded in her New Jersey home for Reston, Va. Jugal Majethia, M.S. ’10, has moved from New Jersey to a new home in Lewisville, Texas. Tracy Ann Tropeano, M.S. ’09, is now living in Mint Hill, N.C. Edna Uybarreta, M.M.S. ’79, has given up New Jersey life for San Francisco, Calif. Also moving to California, to Oak Park, is Kenneth Myslik, M.S. ’62.

Nazieh Masoud, Ph.D. ’04, has moved from New Jersey to Brookfield, Wis. Patrick Ciriello, M.S. ’95, has left California and is living in Baltimore, Md. Also moving across country, but in the other direction, is Neha Dhawale, M.S. ’05, who left Jersey City, N.J., for Seattle, Wash. Roger D. St. Ours, M. Eng. ’08, is now calling Saco, Maine, home. Joseph F. French, M.T.M. ’07, E.M.B.A. ’09, is now calling Hinesburg, Vt., home. Jordane Elmassian, M.S. ’04, has made a big change by moving from New York City to O’Fallon, Mo.

OBITUARIES

C. Walter Frankenfield, M.S. ’41

The Alumni Office has learned that C. Walter Frankenfield of Santa Rosa, Calif., died on Oct. 30, 2006. He was retired from Conoco Philips Petroleum Co., where he worked as a research engineer. Records show that he was married to Elsie.

Joseph Lempert, M.S. ’43

The Alumni Office has learned that Joseph Lempert of Maplewood, N.J., died on Dec. 6, 2008. He was a physicist at Westinghouse Electric Co. for several years before retiring. Surviving are a daughter, Judith Springer; two sons, Eugene and Lawrence; and four grandchildren.

William D. Leary, M. Eng. ’49

The Alumni Office has learned that William D. Leary of Rhinebeck, N.Y., died on Jan. 27, 2005. He was 62. Records show that he worked as a technologist for Texaco Co.

Sidney S. Shamis, M.S. ’50

The Alumni Office has learned that Sidney S. Shamis of Chevy Chase, Md., died on Dec. 7, 2008. Records show that he was retired from Polytechnic Institute of New York, where he served as associate dean of engineering, and had a wife, Lillian.

James R. Summer, M.S. ’50

The Alumni Office has learned that James R. Summer of Miami Beach, Fla., died on Nov. 18, 2004.
Records show that he worked for American Safety Equipment Corp. in Florida. Among his survivors is his wife, Lourdes.

Gregory F. Vinci, M.S. ’50
The Alumni Office has learned that Gregory F. Vinci of Duluth, Ga., died on Oct. 4, 2009.
Records show that he was a retired self-employed consultant.
His wife, Lillian, is deceased, and he had a son, Gregory.

Frederick R. Baser, M.S. ’51
Frederick R. Baser of West Caldwell, N.J., who was an environmental consultant for the United Nations, died on Nov. 6, 2010, in Cranes Mill, West Caldwell.
Mr. Baser was a veteran of World War II, serving as captain in the 8th Army Air Corps. He enjoyed a 40-year career with NL Industries, New York, serving as an engineer, plant manager and an international environmental director before retiring in 1988. After his retirement, he began consulting on environmental issues for the U.N.
Surviving are his wife of 65 years, Nettie; a son, Frederick K.; two daughters, Annette and Christine Habib; a sister; nine grandchildren; and two great-grandchildren.

Kenneth J. McGuckin, M.S. ’51
During the 34 years he worked at Worthington Pump, Mr. McGuckin was manager of quality assurance, manufacturing, foundries and vice president of operations for Harrison, N.J., and Taneytown, Md. Prior to that, he was an engineer with the American Can Co., Wright Aeronautical and M.W. Kellogg Co.
Surviving are his wife, Winifred; a son, Michael; two daughters, Eileen and Kathleen; and five grandchildren. He was predeceased by his wife, Harriet.

Cornelius J. Keyser, M.S. ’53
He served with the U.S. Army during World War II.
Mr. Keyser began his career with Bell Labs/ Lucent Technologies in New York City as manager of quality assurance and retired in 2001. Then, he began teaching math and statistics at Fairleigh Dickinson University, Madison, N.J., retiring in 2006.
He was predeceased by his wife, Virginia. Surviving are his wife, Jeannette; three daughters, Leslie Day, Jackie Callandriello and Linda; a son, Roger; and 10 grandchildren.

Cyrus F. Ault, M.S. ’55
He worked as a supervisor for Lucent Technologies before retiring.

Herman R. Jenisch, M.S. ’55
Herman R. Jenisch of Oakland, N.J., a retired employee of Plessey Corp. and devoted Stevens volunteer, died on Jan. 31, 2011.
He was a retired senior administrator, engineer, manager and supervisor with Plessey for many years. He also worked for years with Curtiss-Wright Aeronautical and then Kearfott.
Mr. Jenisch served in the Army Air Corps during World War II and was a Tec/Sgt. with the 84th Squadron Crew.
He was very active with the Stevens Alumni Association and was a member of the Stevens Metropolitan Club. Mr. Jenisch received the Harold R. Fee ’20 Alumni Achievement Award in 1980 for his dedication to the SAA and Stevens.
Surviving are his two sons, Walter and Robert; and a brother. His wife, Margaret, predeceased him in April 2010.

Max C. Schramm, M.S. ’55
The Alumni Office has learned that Max C. Schramm of Virginia Beach, Va., died on Sept. 1, 2010.
He was an applications engineer with General Electric Co., determining the electrical equipment needed to provide cities with required power. He worked for GE for 40 years before retiring. He also owned a small engineering consulting business and taught math courses at the Newark College of Engineering.
Surviving are his daughter, Barbara Krekich; and two grandchildren. He wife of 66 years, Janet, predeceased him.

Wilbur C. Smith, M.S. ’57
The Alumni Office has learned that Wilbur C. Smith of Pompton Plains, N.J., died on April 29, 2000.
He was an engineer with Worthington Pump Corp., Harrison, N.J., before retiring. Alumni records show he was married to Eleanor.

Philip Kuznetzoff, M.S. ’58
Philip Kuznetzoff of Bridgewater, N.J., a chemical engineer for 42 years, died on Nov. 17, 2010.
Mr. Kuznetzoff was an active member of Temple Sholom, Bridgewater.
Surviving are his wife of 58 years, Beverly; a son, Jess; two daughters, Meryl Deane and Tina Abarelli; a brother; nine grandchildren; and seven great-grandchildren. His daughter, Mindy Van Vleet, predeceased him in 2008.

George B. Miller, M.S. ‘58
The Alumni Office has learned that George B. Miller of Lakewood, Ohio, died on Oct. 7, 1991. Alumni records show that he was a programmer/analyst for Western Union, Mahwah, N.J.

John Ciancia, M.S. ‘60
The Alumni Office has learned that John Ciancia of Old Bridge, N.J., died on March 13, 2008. He was an industrial project coordinator with the U.S. Environmental Protection Agency Region 2, Edison, N.J., before retiring.

Arthur J. Secor, M.S. ‘60
The Alumni Office has learned that Arthur J. Secor of Ticonderoga, N.Y., died on Oct. 14, 2009. He was a supervisor in the warehousing department for the Aluminum Company of America (ALCOA) before he retired.

Myron Allen, M.S. ‘61, Ph.D. ‘73
The Alumni Office has learned that Myron Allen of Silver Spring, Md., died on May 20, 2010. Surviving is his wife, Hennette.

Dow H. Rich, M.S. ‘61
The Alumni Office has learned that Dow H. Rich of West Caldwell, N.J., a longtime Curtiss-Wright employee, died on Aug. 4, 2010. He was 87.

Arthur J. Secor, M.S. ‘60
The Alumni Office has learned that Arthur J. Secor of Ticonderoga, N.Y., died on Oct. 14, 2009. He was a supervisor in the warehousing department for the Aluminum Company of America (ALCOA) before he retired.

Howard S. Wahlberg, M.S. ‘61

He retired from Bell Systems/AT&T Technologies after 43 years as manager of engineering. He held various positions, all in the field of engineering, at many locations. He was listed in 1977’s “Who’s Who in Engineering.” Surviving are his wife, Marie; a son, Craig; a daughter, Pamela Pingeton; and two grandchildren.

Thomas A. Owens, Jr., M.S. ‘62
Thomas A. Owens, Jr., of Marco Island, Fla., the chief financial officer of AT&T who won the Silver Star, died on Nov. 23, 2010. He was 88.

He served a decorated tour of duty in the Army during World War II and was discharged in 1946 as a 2nd lieutenant. He fought in Normandy, the Battle of Brest, the Battle of the Bulge and throughout the Hedgerows. His bravery earned him the Bronze Star and the Silver Star.

Mr. Owens was the chief financial officer of AT&T and CenTel. After retirement in 1985, he moved to Marco Island permanently.

His wife, Evelyn, predeceased him. Surviving are his wife, Donna; a son, James; a daughter, Ann Pehowich; his grandchildren; and his great-grandchildren.

Gennaro V. Raso, M.S. ‘62

Mr. Raso served with the Navy aboard the USS Pledge, a minesweeper operating in the Pacific Theater during World War II.

His career included many years with Keuffel & Esser Co. and J&J Reproduction and Drafting Supplies, Columbia, Md.

Surviving are his wife of 56 years, Christine; two daughters, Melinda and Adele; two sons, Dr. Carl and Dr. Louis; a sister; and nine grandchildren.

Philip P. Rathke, M.Eng. ‘67

Mr. Rathke owned a security firm in South Carolina. Alumni records show that he was married to Lois and had four sons, Kip, Paul, Kevin and Craig.

William J. Catena, M.S. ‘68
William J. Catena of Montville, N.J., died on April 5, 2006. Alumni records show that he was a senior development associate at National Starch and Chemical Corp., Bridgewater, N.J. Alumni records also show that he had a son, Larry.

David C. Myers, Ph.D. ‘78
David C. Myers of Charlotte, N.C., died on Nov. 25, 2010.

He is survived by his wife of 39 years, Jan; two children, Craig and Alex; and three grandchildren.
Vital Statistics

Marriages
—Ronald M. Yannone ’76 to Jacqueline Montminy on May 22, 2011.
—Derek La Penna ’03 to JoAnna Lore on Aug. 5, 2011.
—Brad J. Miller ’06 to Caroline Cutter on July 1, 2011.
—Sean P. Whelan ’07 to Cristina A. Santoro on Sept. 4, 2011.
—William L. Boles, M.S. ’90, to Teresita Valenzuela on May 28, 2011.
—Steven Warsawsky, M.Eng. ’06, to Cynthia M. Recca on Oct. 21, 2011.
—David Velasco ’07 to Valerie J. Byron ’08 on Dec. 29, 2011.

New Arrivals
—To Noreen and Michael F. Fabiano, Jr. ’93, a son, Michael F., III, on Aug. 12, 2011.
—To Michelle K. Price Fox ’94 and Robert Fox ’94, a daughter, Madison Elizabeth, on Feb. 17, 2011.
—To Laura and Craig A. Polk ’00, a daughter, Mikaela Simone, on Oct. 12, 2011.
—To Monica Velasco Caldwell ’02 and Brian Caldwell, a son, Benjamin Gregory, on Sept. 3, 2011.
—To Nicki and Joshua L. Ottinger ’06, M.Eng. ’06, a daughter, Grace, on Jan. 1, 2011.

Obituaries
L.H. Rive ’32 5/29/11
J.H. Bardes, Jr. ’34 4/25/11
T. Pagano ’35 2/13/12
C.H. Smoot ’36 4/21/11
E.C. Mathez ’37 4/17/11
R.S. Scott ’37 9/10/11
R.A. Kaprelian ’38 3/8/11
J.E. Barta ’40 11/14/11
J.E. Buhler, ex ’40 2/29/12
W.J. Burel ’41 3/29/11
H. Danenberg ’41 9/2/11
N. Heinrich, Jr. ’41 7/27/11
R.W. Penney ’41 3/11/11
D.J. Price ’41 8/28/11
L. Stern ’41 4/28/11
S. Gollin ’42 2/24/12
R.H. Christensen ’43 5/25/03
J.W. Eckman, ex ’43 12/19/98
C.B. Grady, Jr. ’43 6/24/11
D.J. Blum ’45 12/12/11
W.P. Brotherton ’45 7/2/11
L. Dreyfuss ’45 10/25/11
R.C. Enes ’45 10/11/11
R.O. Grubel ’45 10/11/11
J.V. Hazlett ’45 1/20/12
R.J. Farquharson, Sr. ’46 6/28/11
J.M. Fitzpatrick ’46 7/22/11
D.E. Muchmore ’46 10/24/11
H.J. Ritmeester, Jr. ’46 10/27/11
R.W. Madan, ex ’47, Hon. M.E. ’87 11/19/10
C.H. Patterson, Jr. ’47 10/28/10
F.A. Ross, Jr. ’48 3/22/11
H.W. Bodemann ’49 1/8/12
W.R. Ellis ’49 11/17/11
T.E. Peirce ’49 4/8/11
J.A. Prestele ’49 4/29/11
J.P. Wickel, Jr. ’49 5/3/11
W. Zagieboylo ’49 8/24/08
G. Clarkson ’50 6/11/11
G.W. Fieser ’50 5/9/11
B.P. Fusco ’50 9/24/11
J.A. McKnight ’50 12/1/97
R. Mead ’50 3/20/11
R.C. Melvin ’50 11/9/11
A.B. Molten ’50 1/20/12
A.L. Porto ’50 12/4/11
A.J. Tenk ’50 5/4/11
J. Teufel, Jr. ’50 10/10/11
W.J. Thorpe ’50 2/20/12
J.A. Brown ’51 4/16/11
H.E. Holzschuh ’51 12/8/11
J.F. Kearney, Jr. ’51 3/8/11
E.H. Lutz ’51 1/1/12
A.A. Marvinney ’51 9/16/11
E.R. Muchmore ’51 12/8/11
H.G. Stanton, ex ’51 8/27/11
W. Whitney ’51 1/12/11
J.M. Barritt, Jr. ’52 1/10/12
H.P. Barry ’52 1/6/12
G.C. Brown ’52 4/11/11
C.R. Strain ’52 6/11/11
M.J. Travers ’52 11/17/11
T.J. Gyselinck ’53 5/11/11
R.J. Harper ’53 2/2/12
J. Movius ’53 7/12/11
R.J. Murphy ’54 12/9/11
H.F. Tietjen ’54 12/8/09
L.E. Callahan ’56 3/13/11
R.W. Taylor ’56 12/25/10
J.R. Cabaret ’57 2/18/11
G.W. Constantin ’57 1/2/12
P.J. Dikovics ’57 7/12/11
R.A. Hampson ’57 1/15/12
C.W. Contino ’60 11/16/11
J.L. Hodges ’61 10/20/11
L.W. Jacobi ’61 2/18/12
H.J. Krieg 9/1/11
G.V. Littell ’61 7/18/11
W.C. Martin ’61 Unknown
E.W. Ryzowicz ’61 2/4/08
A.G. Ort ’62 10/18/07
O.R. Tarajano ’62 3/12/84
J. Hoyt ’63 10/10/11
R.H. Haehnel ’64 4/3/11
W.H. Trowbridge, Jr. ’65 2/25/11
M.M. Bollar ’67 7/9/11
K.J. Gwozd ’67 11/4/11
A.R. Illies ’67 7/17/06
R.A. Clayton ’69 7/14/11
J.A. Hoppe ’69 5/26/11
A.D. Cherkad ’70 5/5/11
A.R. Gornstein ’72 3/30/11
G.M. Pelat ’72 6/4/11
R.B. Odell, Jr. ’73 1/6/12
A.P. Lappin ’77 5/21/11
J.J. LeVander ’78 6/29/11
W.J. Krause ’79 5/5/08
K.J. Levesque ’86 7/6/11

Raw Text End
<table>
<thead>
<tr>
<th>Graduate School</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>W.F. Johnson, Jr., M.S. '53</td>
<td>R.C. King, Sc.D. '61</td>
</tr>
<tr>
<td>12/26/10</td>
<td>2/12/12</td>
</tr>
<tr>
<td>+ C.J. Keyser, M.S. '53</td>
<td>+ D.H. Rich, M.S. '61</td>
</tr>
<tr>
<td>11/18/10</td>
<td>8/4/10</td>
</tr>
<tr>
<td>C.G. Morrison, M.S. '53</td>
<td>+ H.S. Wahlberg, M.S. '61</td>
</tr>
<tr>
<td>10/20/11</td>
<td>11/7/10</td>
</tr>
<tr>
<td>L.G. Taber, M.S. '54</td>
<td>J.M. Barstow, Jr., M.S. '62</td>
</tr>
<tr>
<td>8/18/11</td>
<td>3/31/11</td>
</tr>
<tr>
<td>+ C.F. Ault, M.S. '55</td>
<td>+ T.A. Owens, Jr., M.S. '62</td>
</tr>
<tr>
<td>8/14/10</td>
<td>11/23/10</td>
</tr>
<tr>
<td>+ H.R. Jenisch, M.S. '55</td>
<td>+ G.V. Raso, M.S. '62</td>
</tr>
<tr>
<td>1/31/11</td>
<td>10/7/10</td>
</tr>
<tr>
<td>+ M.C. Schramm, M.S. '55</td>
<td>T.F. Cannon, M.S. '63</td>
</tr>
<tr>
<td>9/11/10</td>
<td>1/7/12</td>
</tr>
<tr>
<td>M. Birnbaum, M.S. '56</td>
<td>P.J. Fischetti, M.S. '63</td>
</tr>
<tr>
<td>12/20/11</td>
<td>1/14/12</td>
</tr>
<tr>
<td>J.W. Clark, M.S. '56</td>
<td>R.S. Graule, M.S. '63</td>
</tr>
<tr>
<td>11/17/11</td>
<td>1/15/12</td>
</tr>
<tr>
<td>H.A. Helm, M.S. '56, Ph.D. '63</td>
<td>J.J. Ponce, M.M.S. '67</td>
</tr>
<tr>
<td>1/7/10</td>
<td>8/13/11</td>
</tr>
<tr>
<td>M.A. Popkin, M.S. '56</td>
<td>+ P.P. Rathke, M.Eng. '67</td>
</tr>
<tr>
<td>8/26/11</td>
<td>3/24/09</td>
</tr>
<tr>
<td>+ W.C. Smith, M.S. '57</td>
<td>+ W.J. Catena, M.S. '68</td>
</tr>
<tr>
<td>4/29/00</td>
<td>4/5/06</td>
</tr>
<tr>
<td>A.W. Collins, M.S. '58</td>
<td>V.B. Cunningham, II,</td>
</tr>
<tr>
<td>10/23/11</td>
<td>M.M.S. '76</td>
</tr>
<tr>
<td>+ P. Kuznetzoff, M.S. '58</td>
<td>+ D.C. Myers, Ph.D. '78</td>
</tr>
<tr>
<td>11/17/10</td>
<td>11/25/10</td>
</tr>
<tr>
<td>+ G.B. Miller, M.S. '58</td>
<td>J.P. Giordano, M.S. '83</td>
</tr>
<tr>
<td>10/7/91</td>
<td>8/8/11</td>
</tr>
<tr>
<td>M. Sarakwash, M.S. '58</td>
<td>A.M. Smith, M.Eng. '94</td>
</tr>
<tr>
<td>9/23/11</td>
<td>9/28/11</td>
</tr>
<tr>
<td>S.J. Di Paolo, M.S. '59</td>
<td></td>
</tr>
<tr>
<td>12/12/11</td>
<td></td>
</tr>
<tr>
<td>+ J. Ciancia, M.S. '60</td>
<td></td>
</tr>
<tr>
<td>3/13/08</td>
<td></td>
</tr>
<tr>
<td>M. Lazan, M.S. '60</td>
<td></td>
</tr>
<tr>
<td>1/26/10</td>
<td></td>
</tr>
<tr>
<td>+ A.J. Secor, M.S. '60</td>
<td></td>
</tr>
<tr>
<td>10/14/09</td>
<td></td>
</tr>
<tr>
<td>+ M. Allen, M.S. '61, Ph.D. '73</td>
<td></td>
</tr>
<tr>
<td>5/20/10</td>
<td></td>
</tr>
<tr>
<td>+ Obituary in this issue</td>
<td></td>
</tr>
</tbody>
</table>
Looking back

This Jan. 27, 1971, photo highlights an open house on campus, where high school students were invited to tour the campus and see what Stevens has to offer. Just a month prior, the Board of Trustees voted to accept women as undergraduates, truly changing the face of the Institute forever.
Stevens is pleased to introduce our new director of planned giving, Michael Governor, to the development team.

Michael has spent the past 12 years in gift planning, assisting alumni and their families in gift planning for their — or their loved ones’ — alma mater. The inclusion of Stevens Institute in your financial and estate plan is a tremendous vote of confidence in the institution. Whether your gift to Stevens is planned to retain a life income, such as a charitable gift annuity, or you have included a bequest provision for Stevens in your will, Stevens celebrates such farsighted support and commitment through membership in the Legacy Society.

To discuss planned giving options available at Stevens one-on-one, please contact:

Michael Governor
Director of Planned Giving
201-216-8967
michael.governor@stevens.edu

What is a Charitable Gift Annuity?
Sometimes referred to as a CGA, it’s a simple agreement between you and Stevens Institute of Technology. You can establish a Charitable Gift Annuity with a minimum gift of $10,000. The annuitant must be at least 65 years of age when the annuity payments begin.

Give to Stevens, Get Income for Life: CHARITABLE GIFT ANNUITIES

HOW IT WORKS

1. YOU TRANSFER CASH OR SECURITIES TO STEVENS.
2. YOU RECEIVE AN INCOME TAX DEDUCTION AND MAY SAVE CAPITAL GAINS TAXES. STEVENS PAYS A FIXED AMOUNT EACH YEAR TO YOU AND/OR ANYONE YOU NAME FOR LIFE. TYPICALLY, A PORTION OF THESE PAYMENTS IS TAX-FREE.
3. WHEN THE GIFT ANNUITY ENDS, ITS REMAINING PRINCIPAL PASSES TO STEVENS.

YOUR BENEFITS

- FIXED ANNUAL INCOME AT A FAVORABLE RATE OF RETURN FOR YOURSELF (AND/OR ANOTHER PERSON YOU CHOOSE) FOR LIFE
- THE POTENTIAL FOR INCOME APPRECIATION IF YOUR GIFT IS FUNDED WITH LOW-YIELDING ASSETS
- A PORTION OF YOUR ANNUITY INCOME WILL USUALLY BE TAX FREE
- INCOME TAX DEDUCTION FOR A PORTION OF YOUR GIFT
- FAVORABLE CAPITAL GAINS TAX TREATMENT WHEN YOU FUND YOUR GIFT WITH APPRECIATED SECURITIES
- MEMBERSHIP IN THE LEGACY SOCIETY

SAMPLE CHARITABLE GIFT ANNUITY RATES*

<table>
<thead>
<tr>
<th>AGE</th>
<th>RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>65</td>
<td>4.7%</td>
</tr>
<tr>
<td>70</td>
<td>5.1%</td>
</tr>
<tr>
<td>75</td>
<td>5.8%</td>
</tr>
<tr>
<td>80</td>
<td>6.8%</td>
</tr>
<tr>
<td>85</td>
<td>7.8%</td>
</tr>
<tr>
<td>90</td>
<td>9.0%</td>
</tr>
</tbody>
</table>

IMMEDIATE PAYMENTS (ONE LIFE) RATES EFFECTIVE 1/1/12 – 12/31/12

*NOT AVAILABLE IN ALL STATES. SPECIAL RATES APPLY FOR TWO LIFE AND DEFERRED PAYMENT GIFT ANNUITIES.
**Solutions for the Medical Device Industry**

**Our in-house expertise includes:**
- Design for Manufacturability
- Dedicated Prototype Resources
- Seamless and Drawn Tubes
- Metal Injection Molding
- Plastic Injection and Insert Molding
- Precision Sharpening
- Laser Cutting, Welding and Marking
- Electropolishing
- Precision Machining
- Custom Assemblies

MICRO is a full-service contract manufacturer committed to satisfying the ever-challenging needs of medical device OEMs – the most innovative and active developers of new products in the world. A triumph of full vertical integration, we have the capabilities required to work with our customers from concept to commercialization. Services include R&D support; engineering and design capabilities; prototyping through validation; and full-scale, high-volume production.

We offer a full range of low-cost, high-quality tubing solutions for the medical device market, custom-made at our dedicated tubing fabrication facility using the latest fully integrated laser-cutting technology. Our medical components, subassemblies and assemblies are known by our customers the world over for their superlative design and construction.

To learn how MICRO’s team can fulfill your specific needs, please contact us at: sales@micro-co.com.

**MICRO**
140 Belmont Drive, Somerset, NJ 08873 USA
Tel: 732 302 0800 • Fax: 732 302 0436 • www.micro-co.com

**FDA Registered** • **ISO 13485** • **ISO 9001** • **ISO 14001** • **ISO/TS 16949**

**MICRO**

Frank J. Semcer, Sr., BE - Class of 1965 • Bahir Ibrahim, MSME - Class of 1978 • Brian Semcer, MTM - Class of 2001 • Vicente Manalo, MSCS - Class of 2003
Steven Jacobsen, BSME - Class of 2008 • Mariel Menafra, BE-BME - Class of 2009 • Dominick Dunston, ME - Class of 2011