Do you know an award winner?

The Stevens Alumni Association has a long and proud history of recognizing excellence for outstanding service to Stevens Institute of Technology and for notable professional achievement.

The University and the SAA have established six new awards at Stevens to complement the existing awards program that includes the Stevens Honor Award, the Stevens Alumni Award, the Charles V. Schaefer, Jr. Entrepreneur Award, the Harold R. Fee ’20 Alumni Achievement Award and the SAA Outstanding Teacher Award.

The six new awards will be presented at an Awards Gala on April 6, 2013. We are accepting nominations for these awards now! To find out more about the awards, please visit:

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These exciting new awards are:

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- **Lifetime Service Award**
  Recognizes long, sustained and dedicated service to the Institute.

- **Outstanding Contribution Award**
  Recognizes an alumnus or alumna who has demonstrated at least one act of significant, recognizable contribution to the Institute.

- **Young Alumni Achievement Award**
  Recognizes an alumnus or alumna from the last 15 years of undergraduate classes who has demonstrated outstanding achievements in his or her chosen career after graduation.

- **Friend of Stevens Award**
  Recognizes a non-alumnus or non-alumna who has demonstrated significant commitment and extraordinary support to the Institute.

- **International Achievement Award**
  Recognizes an alumnus or alumna who has demonstrated significant international achievement or impact.
12 Alumnae Encore
As we close our series on the 40th anniversary of undergraduate women’s entry to Stevens, meet more extraordinary alumnae from the 1970s to the 2000s—and a Graduate School pioneer from the 1940s—who made history and inspire us today.

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

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The winter sports season ends with Stevens welcoming its second-ever NCAA individual champ. Read about this athlete and other stand-out moments.

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

23 FSC Launch
Stevens’ new Financial Systems Center—and its state-of-the-art Financial Systems Lab, a gift of Sean Hanlon ’80—opened this spring to much fanfare and several well-attended launch events.

By Stevens Office of News and Media Relations

27 Design Stars
The Stevens Innovation Expo highlighted research by both faculty and students and featured more than 90 Senior Design projects.

By Beth Kissinger, Editor, and Stevens Office of News and Media Relations

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Stephanie LeBlanc ’06 and Cliff Godfrey ’07 start a packing and storage company.

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Engineers Without Borders volunteer Rick Kuehn ’01 travels to Africa to install a well.

By Lisa Torbic, Associate Editor
Water flows from a well constructed by villagers in Kipingi, Kenya, with help from Rick Kuehn ’01 and other members of Engineers Without Borders, during a trip this past winter.
Letters to the Editor

Thank you for women’s issue

Kudos on a spectacular issue (Winter 2011-2012)! I liked the celebratory focus on 40 years of women at Stevens mixed in with human interest (Phil Kimball ’62, Ed Egan ’40), “Reaching for the stars” (profile of John Puente, M.S. ’60) and the Sinatra/Reagan piece. If these don’t engage our alumni, I’m not sure what will.

Food for thought for a topic for some future issue: the presidential writings of our own Richard Reeves ’60. As I’ve worked with Vice President for Development Ed Eichhorn ’69 and President Farvardin on launching the “Support Stevens Scholarships” leg of the President’s Initiative for Excellence, one of the far-out ideas that crossed my mind was to talk to Dick about whether his publishers have ever considered issuing a commemorative collection of his presidential works. His “President Nixon: Alone in the

White House” was the best Nixon biography I’ve read. If one ever does get published, the set might be an appropriate award for donors above a stated level. After all, Sandy Calder (Class of 1919) is not making mobiles any longer, so Dick Reeves may be our most widely recognized alumnus.

Keep up your fine work.
Per aspera ad astra.
John Dalton ’60

The articles, quality, content and presentation on the last issue of The Indicator (Winter 2011-2012) were excellent. I know you spend a lot of time to produce this quality publication, and it shows! You should be commended for a job well done. Thank you for your cooperation and flexibility incorporating what we need into our logs. Well done!

Enrique Blanco ’72

I want to congratulate the publishing team for another excellent Stevens Indicator (Winter 2011-2012), titled “40 Years of Women Undergraduates.” With each publication, the Indicator’s articles and photos get better and better.

Consistent with the key topic as highlighted in the recent Indicator, it should not go unnoticed that the Stevens Alumni Association executive director, Indicator editor, Indicator associate editor, and the Stevens Alumni Association’s Publications Committee chair are all women. Again, congratulations and a big thanks to each of you!

George W. Johnston ’72
Dear Fellow Alumni and Friends,

As I end my first term as your SAA president, I’d like to give you my first end-of-fiscal-year update on some of the truly spectacular things that happened recently on campus.

This past spring, Stevens continued to celebrate 40 years since the first female undergraduates were enrolled in classrooms. In this issue, you can read about two inspiring alumnae—Jennifer Kehl Waters, M.Eng. ’93, Ph.D. ’95, and Dominique Gonzalez ’04, M.Eng. ’10—as they share their memories of campus life in the ’90s and ’00s and how their successes here at Stevens have contributed to their successes in the workplace. Currently, Jennifer is a professor at the U.S. Naval Academy and will begin as associate dean of academic affairs in January 2013, and Dominique is a senior product engineer with Fisher-Price/Mattel, the toy company. Also, the Stevens Alumni Association held its first “Alumnae of Distinction” panel in March, with five trailblazing women returning to campus to speak about their successes, to a crowded room filled with other alumnae, faculty, staff members, and current students. The event was such a hit that it may become an annual event.

Alumnae also participated in a “Celebration in Song” event at DeBauu Auditorium. Seven talented alumnae shared their voices as they performed songs, both familiar and original compositions, to the audience. The crowd was mesmerized by the talent before them during each performance. It was an electrifying night. At the very end of March, a Women’s Recognition Dinner was held, honoring a group of current students, Robert Seavy, M.S. ’48, the dean of admissions at Stevens in the 1970s, and Audrey Leef, who earned her M.S. in 1947, a time when women did not typically earn an undergraduate degree, much less go on to earn a master’s degree. As I stated in my letter to you in the Winter 2011-12 issue, Stevens’ history would be less rich without its alumnae, and it was never so evident as it was during these special events this past spring.

But it’s not just the alumnae who are doing amazing things. On page 32, you can read about Rick Kuehn ’01, who works as a vice president for a New York City-area telecommunications network company. But Rick’s real passion is his work with Engineers Without Borders, a volunteer-based group whose objective is to implement sustainable development projects in communities around the world, with the purpose of improving the standard of living and to empower such communities. Rick became the EWB’s Northern New Jersey chapter president in April and just a few months ago, returned from Kipungi, Kenya, where he helped lead a team that designed and built a water well in that part of the world. Dry seasons in Kenya mean there is a shortage of potable water, forcing villagers to travel as far as three miles and wait for hours for the chance to draw water. The new well that the EWB-NNJ built will supply potable water for some 1,700 Kipungi villagers. Talk about changing the world!

Thank you for your continued engagement with your alma mater and all you do for her. I also want to thank you for your continued faith in me as your SAA president. My second term begins July 1, and I promise to do all I can to promote the SAA and Stevens.

Mark I. LaRosa ’93
President, Stevens Alumni Association
larosam@alumni.stevens.edu
Reflections on my first year at Stevens

Dear Alumni and Friends,

As I write to you, the academic year has ended, and I’m about to mark my first anniversary as Stevens’ president. It has been a remarkable year at the Institute and for myself and my family, and I would like to share some reflections on these past 12 months with you.

Most importantly, I want to thank you again for the warm welcome I’ve received from you this past year, as I’ve met many of you all over the country, from Massachusetts to Washington, D.C., from New York to Georgia, from Florida to Texas and California, and all over New Jersey. I continue to meet more alumni on a daily basis, and if I can’t see you in person, I welcome phone calls or emails to hear your ideas, your concerns and your dreams for Stevens.

I have much good news to report about this past year. As you read in a previous Indicator, we welcomed the most academically talented freshman class in Stevens history this past fall. I’m proud to report that the incoming freshman class for Fall 2012 looks to be even stronger academically. We also anticipate a slightly larger incoming class next year—both positive developments for the future of Stevens.

In other good news, Stevens recently received a top ranking from Bloomberg Business Week in its annual ranking of colleges and universities based on Return on Investment. Stevens was ranked 23rd in the country for its 30-year net ROI, up from 31st place last year. As you know, a Stevens education continues to bring its alumni successful careers, and the chance for a good life. More recently, Wall Street and Technology selected Stevens as one of 10 schools identified by corporate executives as their favorite schools for computer science and engineering talent.

This spring, we held the Stevens Innovation Expo, which featured important research by our faculty and students, with more than 90 senior design projects on exhibit. It was a memorable day, and so rewarding to review the excellent and cutting-edge research by our talented students and faculty.

We also took a giant leap forward this spring in offering our students a world-class education in financial systems. In April, Stevens launched the Financial Systems Center (FSC), a state-of-the-art financial research and teaching facility with an inter-disciplinary focus on financial systems, software engineering and cybersecurity. At the heart of this facility is the Hanlon Financial Systems Lab, a generous gift of Sean Hanlon ’80, that resembles a Wall Street trading room and uses the latest technologies. We enjoyed a full day of activities to launch the FSC, with several hundred people returning to campus for the event, and about 250 people attending a delightful evening at the Waldorf-Astoria with our financial world alumni. I expect that the FSC will become the place that Wall Street goes to when faced with complex financial problems it can’t solve alone, and Stevens is grateful for the opportunity to make a difference in this area. And in May, Stevens launched yet a second significant program, its Business Intelligence & Analytics master’s degree program—one of the first programs of its kind in the country.

I want to thank you for your generosity to Stevens this year and for making a difference in the lives of so many students. As of May 2012, we exceeded our annual fundraising goal and had raised $10 million. Through the generosity of alumni, we are able to give scholarships to talented students who wouldn’t otherwise be able to attend this fine university. A generous gift from Ayesha and Sandeep Mathrani ’83 also helped fund a much stronger tutoring program on campus. As our alumni continue to support Stevens, our Development Office has been providing you with clearer, more transparent scholarship reports and published its first Record of Philanthropy in almost five years.

During my inauguration last October, I pledged to work with the community to take Stevens to greater heights of achievement and distinction. Now I feel that we are well on our way in this journey. So, stayed tuned—and please stay engaged. The future of Stevens is brighter with you in it.

Sincerely,

[N. Farvardin]

email PresidentFarvardin@stevens.edu
phone (201) 216-5213
postal mail Stevens Institute of Technology Wesley J. Howe Center 1 Castle Point Hoboken, NJ 07030

Spring 2012 5
Welcome Seniors Reception

Young alumni gave the Class of 2012 a warm and early welcome into the Stevens alumni family at the Welcome Seniors Reception on campus this past March.

More than 200 young alumni and students mixed and mingled over tasty snacks, drinks and music, with W CPR spinning the tunes and fun prizes available for all. The Stevens Alumni Association and the Graduates of the Last Decade (G.O.L.D.) sponsor the annual event.

*Photos by Sara Martinez
Freelense Photography*
Ravi Javia ’11, left, Kevin Miguelis ’12, center, and Faris Khan ’11, M.S. ’12, meet up at the Welcome Seniors event for the Class of 2012 this past March inside the Bissinger Room at Stevens.

Friends from the Class of 2012 gather for a group photo.

Young alumni turned out to welcome the Class of 2012 at the Welcome Seniors Reception in March. Reuniting, from left, are Josh Zawislak ’06, Manny Toledo ’05, Brad Miller ’06 and his wife, Caroline, David Velasco ’07 and his wife, Valerie Byron Velasco ’08, and Vicky Velasco ’04.
Sellers ranks 23rd in nation for ROI

Stevens recently ranked among the top 25 of 850 colleges and universities for its Return on Investment (ROI), according to one publication’s annual report.

In Bloomberg Businessweek, which just listed its third ranking of the best colleges for ROI, Stevens’ 30-year net ROI of $862,500 is 23rd in the nation. The article was titled, “What’s Your College Degree Worth?”

The study is based upon PayScale.com, which uses self-reported pay data from alumni of more than 850 nationwide colleges and universities obtained through its online salary survey tools. The ROI ranking reflects what incoming students can reasonably expect from their investment in obtaining a college degree from a certain school. It represents the typical earnings of a graduate over a 30-year period, in excess of a high school graduate, after deducting the net cost of the degree, which is based on the total “sticker price” minus the average financial aid award and adjusted for six-year graduation rate.

The 2012 report finds that average ROI across all surveyed colleges nationally has decreased since 2011, reflecting sinking salaries in a tough economy and the rising cost of higher education. However, ROI for Stevens students remains at the front of the pack. In addition, Stevens ranks eighth in ROI and fourth in ROI for graduates out of 18 metro area schools, and its graduation rate is the highest among the group. In its classification of “Private Research Universities, Engineering,” Stevens is fifth in ROI among all schools nationally.

Stevens’ leading ROI in part reflects national trends. In the 2012 report, private schools easily surpassed public schools in ROI. In addition, engineering schools averaged more than double the ROI for liberal arts schools, triple that of business schools, and more than 26 times that of arts and design schools.

However, Stevens students have outpaced the national average repeatedly in both placement rates and job outcomes, benefiting from exceptional academic programs, world-class research experiences and unique experiential learning opportunities that prepare them to become leaders in their chosen fields, Stevens officials said.

“Between our highly-competitive academic environment, market-relevant internship opportunities, nurturing and supportive campus, and prime location minutes from Manhattan, Stevens students have everything they need to achieve personal, professional and financial success,” said Maureen Weatherall ’78, Stevens’ vice president of university enrollment and administration.

Employers continue to value the quality and reputation of a Stevens education, with members of the Class of 2012 having already accepted offers from well-known companies such as Deloitte, DuPont, Goldman Sachs, Honeywell, Johnson & Johnson, JPMorgan Chase, UBS and United Technologies.

“Few universities can match Stevens in terms of job placement, a testament to the rigorous academic background of our students and the professional work experiences so many obtain in the most in-demand fields, well before graduation,” said Lynn Insley, director of Stevens’ Office of Career Development.

Harvey Mudd College, an engineering and liberal arts college in Claremont, Calif., topped the ROI list, with Caltech, M.I.T., Stanford and Princeton rounding out the top five.— Stevens Office of News and Media Relations

Stevens partners with Seton Hall to offer law degree

Stevens has entered into an agreement with Seton Hall University School of Law (Seton Hall Law) to establish a combined degree program allowing students to earn both baccalaureate and law degrees in a six or seven-year sequence.

The program, which begins in September, consists of three or four years of undergraduate study at Stevens and three years of study at Seton Hall Law. Upon completion, students will earn a B.E., B.S. or B.A. degree from Stevens and a J.D. degree from Seton Hall Law.

“This is a significant milestone for our students,” said Jonathan Wharton, Stevens’ pre-law adviser and a College of Arts & Letters professor. “Every year, nearly half of Stevens students and alumni who are interested in law school apply to Seton Hall, so there is already very strong interest, and many students have been anxious for this agreement to come to fruition.”

Stevens currently offers a Pre-Law and Public Policy minor, with about 40 students enrolled, as well as Law School Admission Test (LSAT) preparation.

Seton Hall Law Dean Patrick E. Hobbs welcomes the opportunity to formalize the path from Stevens to Seton Hall. “The synergies between the course of study at Stevens and the pursuit of legal study at Seton Hall Law make this an optimal program for both institutions,” he said. “Seton Hall Law offers one of the broadest selections of intellectual property law courses in the country, and our health law program is consistently ranked among the top 10 by U.S. News & World Report. Stevens graduates have found great educational and professional success at Seton Hall Law. We are pleased to partner with Stevens to solidify this career progression for its students.”

According to Christos Christodoulatos, Ph.D. ’91, Stevens’ associate provost for academic entrepreneurship, strengthening the collaboration between the two institutions is beneficial to students and faculty.

“The strength of Seton Hall’s intellectual property law program is of particular interest to us, as it aligns with our strategic goal to create an entrepreneurial academic culture that focuses on solving real world problems that satisfy societal needs,” Christodoulatos said.

To join the program, students must fulfill the requirements of their undergraduate major and maintain minimum GPA requirements, as well as pass the LSAT with a score in the 77th percentile or higher.
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The Celebration Continues—
40 Years of Female Undergrads at the Stute
Music filled the night one recent evening as a special concert was held to honor four decades of female undergraduates at Stevens. Eight women—all alumnae or current students—participated in “A Celebration in Song: 40 years of Women at Stevens,” a night of music held on March 24 at DeBaun Auditorium that benefitted scholarships and the performing arts at Stevens.

Performing were Alicia Mahon ’08; Victoria O’Connor ’11; Cassidy DeSchryver ’11; Barbara Carames ’03, M.S. ’08; Kameelah S. Majied ’00; Tuyet-Hanh Nguyen Schnell ’91; Laura Dorival Paglione ’90 and Donna Barden, who graduated in May 2012 with a degree in civil engineering.

Dave Zimmerman ’90, executive director at DeBaun Center for Performing Arts, was pleased with the night, as more than 100 people came out to hear the music, reconnect with old classmates and support the causes.

“It was a wonderful evening, bringing back to stage some of our brightest stars of the past. Musically, it was just superb and everyone enjoyed re-connecting with Stevens and meeting past and present performers,” Zimmerman says.

For some alumnae, it marked a return to performing, and for a handful, their first performance at DeBaun since its renovation in 1998.

Continued on next page
Laura Dorival Paglione is vice president of operations with Management Leadership for Tomorrow (MLT), a not-for-profit in New York City which seeks to increase minority leadership within corporations and helps prepare young people for leadership roles in their careers. The stage is nothing new to her, as she performed in many productions with the Stevens Dramatic Society during her undergraduate days. But she quickly points out that her singing experience has been limited of late.

“Nowadays, I sing in the car or in the shower, that’s about it. So to be on stage again is a bit overwhelming,” she says, just days prior to the performance. And to further rattle her nerves, several colleagues from work, who were unaware of her singing talent, came to the performance.

Zimmerman is the one who called Paglione and asked her to perform in the concert. He says it was a natural reaction to reach out to Paglione for this special performance. “When I think of music and DeBaun, I think of Laura. The two are synonymous,” he says.

The two also have a special bond as they were cast mates during SDS productions, they worked on their Senior Design Project together and both were members of the Class of 1990. And during one recent afternoon, while rehearsing “Popular” from the Broadway musical “Wicked,” the two were gathered around the piano, laughing often. “I’m really looking forward to being on stage again with Laura,” he says.

Paglione says she was honored to be included in the night’s lineup. “When I started at Stevens in 1985, there weren’t a lot of women here, let alone in engineering. So the bonds are deep” because they went through a lot together.

Seven women performed during the first half of the concert. But the second half belonged exclusively to Kameelah Samar Majied ’00, who performed with her namesake jazz orchestra. She sang well-known classics, such as “Summertime” from Porgy and Bess and “My Funny Valentine,” plus three songs she co-wrote.
The year 2008 could be considered a historic milestone for Stevens. At the undergraduate commencement that year, the first daughters of Stevens alumnae received their degrees. The daughters, Lauren Buroojy and Katie Weatherall, also share another common thread: both were business & technology majors.

Their mothers, Karen Clapp Buroojy ’76 and Maureen Burke Weatherall ’78, M.M.S. ’78, were among the earliest Stevens classes to enroll female undergraduates, and as Stevens celebrates 40 years of undergraduate women, they offered their memories of campus life and reflected on this achievement.

Maureen Weatherall has been an integral part of the Stevens community for almost 40 years—as a student, alumna, volunteer, senior staff member and parent. A chemical engineering major, Maureen served as the first female president of Khoda and participated in a wide variety of activities.

“Although women weren’t as fully integrated into campus life as they are today, and there weren’t very many of us in terms of numbers, we were an extraordinarily strong group,” she said.

Several years after graduating, having maintained numerous ties to her alma mater, Maureen began volunteering to recruit women to Stevens, and was soon hired as the director of admissions. Twenty-one years later, Maureen is now a senior staff member on campus, serving as vice president and chief administrative officer.

Given Katie’s pedigree—dad Jim is Class of ’78, M.M.S. ’80—it’s no surprise that she chose Stevens.

“I always had a very high regard for Stevens, and it was a big part of my life growing up,” Katie said. “I always joked to my mom that I’d follow in her footsteps, and it actually came true.” Her older brother, Jimmy, became the final member of their immediate family to graduate from Stevens, earning a Ph.D. in physics in 2009.

Like her parents, Katie was actively involved on campus, as a standout on the equestrian team and a member of both the Student Government Association and Khoda. “I think the campus community has grown quite a bit since my mother was a student,” Katie said. “There is much more diversity and many more activities for people with all different interests. Our experiences were certainly very different.”

Today, Katie is enrolled in the School of Veterinary Medicine at the University of Pennsylvania as a member of the Class of 2015. She hopes to be an equine surgeon.

Karen Buroojy came to Stevens because she wanted to study math and engineering, and Stevens, with its excellent reputation in those fields, seemed like the place to do it. A civil engineering major, Karen said she faced a number of issues as one of the few women on campus. At first, no locker room for women existed and female students lived only in one residence hall.

“I’d say it was a challenge, but that only made me more determined to excel in my classes and stand out as a student,” said this current school board volunteer who has worked as a production manager.

Lauren—who played on Stevens’ top-ranked women’s soccer team—had a different experience. She considered Stevens at her mother’s request, but enrolled after visiting campus and seeing the people, activities and opportunities available. She was impressed with the careers the students—especially the athletes—pursued after graduation.

“Seeing what other student-athletes had achieved in their careers made the experience seem really tangible to me,” she said.

Lauren studied business & technology, like her father, Tom ’75. While a student, the Office of Career Development helped her secure an internship at J.P. Morgan, which turned into a full-time job. Today she is a business analyst at the financial services company.

Recently, the Buroojys fondly recalled their Stevens experiences.

“Being alumni, I think my parents understood my journey better than others,” Lauren said. “Even though it was so different back then, they’d been here and were aware of what I was going through.”

Karen appreciated the opportunity to follow Lauren’s soccer career, frequently returning to campus for games. “It was a lot of fun to go back and see Stevens from a parent’s perspective—especially knowing about all of the secret parking spots!” Karen joked.
A CHALLENGE CAN BE ONE OF LIFE’S GREAT MOTIVATORS

Dr. Lawrence T. Babbio ‘66, the Chairman of the Board of Trustees, has issued a landmark challenge to help increase alumni participation. Chairman Babbio will match up to $1 million of alumni contributions to foster increased support to the University.

Last year only 9% of the over 37,000 alumni made a donation to Stevens. Dr. Babbio’s Challenge is a call-to-action for alumni to support their alma mater and to help increase participation. Rise to the Challenge and take advantage of this matching opportunity.

For more information about the Chairman’s Challenge and your eligibility, please visit

stevens.edu/dev/challenge
Jennifer Kehl Waters, M.Eng. ’93, Ph.D. ’95, has been a genuine ground-breaker—and a spectacular success story at the U.S. Naval Academy.

Rising from professor to the academy’s first female engineering department chair, she recently became the first woman named associate dean of academic affairs, one of the most significant leadership positions at USNA. Her journey has been one of inspiring mentors, great talent, perhaps even greater determination.

Waters can tell a few stories about how more understanding and acceptance of women leaders is needed. One memory still makes her laugh.

More than a decade ago, she was teaching a mostly male midshipmen class while heavily pregnant with her first child. At the semester’s end, her midshipmen confessed—they had been terrified that she would go into labor during class, and they wouldn’t know what to do.

“They had not seen a working woman going through regular life occurrences like pregnancy,” she said. “It was a brand new world to them.”

Waters first made history two years ago when she was voted by her peers to become chair of the Department of Naval Architecture and Ocean Engineering at USNA. She was later voted by her department chair peers to become “chair of chairs” and, this past January, was named associate dean of academic affairs. She assumes this new position on Jan. 1, 2013.

When Waters joined the USNA faculty as an assistant professor in 1995, she was one of only two women in her department and, today, women make up just 20 percent of the 25-person department.

“I think the world is still in transition, but what is most important is that there are strong men and women committed to supporting the growth of women in science and engineering,” she said.

The first of her immediate family to earn a four-year college degree, Waters attended Stevens in the early 1990s when the administration was making a concerted effort to support its female students.

“I was fortunate to be surrounded by extraordinarily strong people in leadership positions at Stevens who were dedicated to the cause and really had my back,” said Waters, who lives in Maryland with her husband and their two teenage daughters.

Born into a “sailing family,” Waters grew up on Long Island, N.Y., where she spent much of her summers on the water.

Her interest in ocean engineering bloomed as a teenager, when she attended a summer program at Stevens focused on encouraging women to pursue engineering-related careers.

Waters enrolled at the Webb Institute of Naval Architecture in Glen Cove, N.Y., in 1987 and earned her B.S. degree. She soon returned to Stevens for graduate school.

At Stevens, Waters worked as a research assistant with Davidson Laboratory and focused on early environmental water quality modeling. One of her major contributions was assisting Professor Thomas Herrington ’89, M.Eng. ’92, Ph.D. ’97, with establishing the university’s coastal engineering program.

Waters initially intended to stay at Stevens only for her master’s, but her faculty advisers noticed her potential as a professor. They encouraged her to stay on for her Ph.D., and Professor Emeritus Richard Hires let her teach one of his classes for a few weeks to see how she liked being a professor. Waters was hooked.

Michael Bruno, dean of Stevens’ Schaefer School of Engineering and Science, was the Davidson Laboratory director when Waters was at Stevens. Waters remains one of the brightest and most successful students ever in the Ocean Engineering program, he said.

“A large part of her success at Stevens and in her career, of course, can be attributed to her intellect and her hard work and perseverance,” Bruno said. “However, I would add, from the moment she arrived at Stevens, it was clear that there was something more: Jennifer was and is a leader in every sense of the word.”

Waters was memorable as a leader on the Graduate Student Council and as a great mentor to younger graduate students, Bruno said. Her success at USNA has been remarkable, he added, as she’s developed and improved new curricular elements in ocean engineering and naval architecture and developed significant programs in ship design and ocean environmental engineering. And she’s always focused on USNA’s primary mission: undergraduate education.

Lessons learned at Stevens have helped Waters through challenging times at the Naval Academy.

“It was tough at first to be a woman in charge of a male-dominated workplace, but what Stevens taught me about perseverance, high standards, hard work and integrity was instrumental in my success,” she said.

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Women at Stevens

Making a Difference

Women’s Recognition Dinner honors past, present advocates for Stevens women

Stevens honored two pioneers who helped women thrive on campus—and an outstanding new generation of female students—at a Women’s Recognition Dinner on March 31 on campus.

The event, which included a reception, awards and an elegant candlelight dinner and dancing, attracted 150 people and was part of the 40 Years of Women at Stevens celebration that has been held this academic year. Women first entered Stevens as undergraduates in the fall of 1971.

Two Stevens pioneers honored were Rev. Dr. Audrey J. Vincentz Leef, M.S. ’47, who earned an M.S. in mathematics from Stevens and was among the first graduate alumnas (Stevens admitted women to its graduate program starting in the 1940s); and Robert H. Seavy, M.S. ’48, who worked at Stevens for four decades and, as director of admissions, was critical in the historic decision to admit the first class of undergraduate women.

Five female students received the Women of Distinction Award, given to undergraduate and graduate women who distinguished themselves by positively influencing the experience of women at Stevens. They were: Amanda DiGuilio ’11, M.S. ’11, a Ph.D. student in chemistry; Bosede Omolayo, M.S. ’12, a graduate student with the Howe School of Technology Management; and then undergraduates Kendra Appleheimer ’12, Allyson Mackavage ’12; and Melissa Wiegand ’13.

Eight female students received the Service and Leadership Award, recognizing their service as role models, leaders and agents of change. They were: Caroline Amaba ’12; Molly Bennett ’12; Lauren Gutierrez ’12; Alecia Hart ’12; Suzanne Hartwell ’12; Lauren Mayer ’12; NancyMarie Santora ’13; and Amanda Nauman ’11, M.Eng. ’12.

A strong showing of alumnae—from the Classes of 1947 to 2011—turned out for the dinner inside the Bissinger Room.

Seavy and Leef are simply “two of the people who made it possible to be where we are today,” said master of ceremonies Dr. Maureen Weatherall ’78, M.M.S. ’78, who is Stevens’ vice president and chief administrative officer.

In introducing Seavy, who worked as a chemistry professor and administrator at Stevens before his retirement in 1986, Weatherall said that it was his strong support and charisma that helped convince the faculty and trustees that women could come to Stevens and succeed.

“Bob went to the Board of Trustees (and said)—‘It’s time,’” she said.

When Seavy stepped up to the stage to receive his award, the audience erupted in applause and gave him a standing ovation.

The audience awarded its second standing ovation to Dr. Leef. An ordained minister and longtime professor of mathematics at Montclair State University, she is currently professor emerita at Montclair and pastor emerita at First Congregational Christian Church of Irvington, N.J., and The Community Church of Mountain Lakes, N.J.

Dr. Leef comes from a Stevens legacy family, which includes her great uncle, Leon Guilloud, Class of 1887; her brother, Chester C. Vincentz ’33, M.S. ’37; and her nephew, Chester Vincentz, Jr. ’59. But years ago, as a math teacher at Millburn High School in Millburn, N.J., when she decided that she wanted her master’s degree from Stevens, she didn’t need her family to lean on.

Her talent and determination helped her thrive at Stevens in classes where she was the only woman. She did recruit the two tallest men in her class to walk her to the Hoboken train station after evening class however.

“One guy got off in East Orange; that’s the one I married,” she said of her husband, George "Bob" Leef, M.S. ’53.

Leef credited her mother, who took classes at Cornell at age 55, with instilling in her the belief that she could do anything that she put her mind to. This mother of four, grandmother of 10 and great-grandmother previously gave this advice to female Stevens students: You can have it all, but you can’t have it all at once.

But when she took the stage to be honored this March evening, an emotional Leef altered her philosophy a bit.

“I told them: You can have it all. You can’t have it all at once. That’s not true (anymore), because I feel at this very moment—I have it all.”

The student honorees carry on a strong legacy made possible by Leef and Seavy.

DiGuilio is president of the Graduate Student Society of Chemistry, Chemical Biology and Biomedical Engineering; an RA at the Lore-El Center, which offers a residence and programs for women; and a member of the President’s Advancement of Women Committee, which is working to help increase the number of female students and faculty on campus.

Appleheimer served as vice president of the Student Government Association (SGA), president of Gear & Triangle, ten...
Distinguished alumnae offer wisdom to students

In celebration of 40 years of women undergraduates, the Stevens Alumni Association hosted an “Alumnae of Distinction” panel, featuring five alumnae who hope to inspire the next generation of female students.

One bit of wisdom was repeated several times during the discussion: make connections.

“Find your connection” was the advice of Past SAA President Mary Dodd ‘80, who welcomed more than 65 alumni, students, faculty and staff to the March discussion. “If you walk around, I’m sure you can find your own six degrees of separation in this room,” Dodd says, referring to the idea that everyone is approximately six steps away, by way of introduction, to any other person.

The five alumnae were invited to offer advice to alumni and today’s students and share their extraordinary stories of success. They were Angie Hankins ’95, a partner with Stroock & Stroock & Lavan, a law firm with practice areas in capital markets, intellectual property, labor and employment; Lisa Mascolo ’82, the Chief Executive Officer of Optimus, a strategy and enterprise IT solutions firm; Tammy Rambaldi ’92, director of information security and IT compliance at Johnson & Johnson; MaryAnne Rizk ’01, M.S. ’01, Ph.D. ’12, a senior director, partnership and alliance, at Medidata Solutions, and a Stevens faculty member; and Yvette Vargas, M.S. ’88, managing director, head of talent, development and diversity at UBS Wealth Management Americas.

One question asked was, “How do you define success?”

“I define success as the impact that my work has done, and it can take a long time to see that,” says Rambaldi. “Success is also seeing what my team does and gaining the satisfaction in seeing them succeed.” The panelists then offered strategies for women to succeed.

“Network,” advises Mascolo. “Make that connection. Interpersonal relationships are often overlooked. Most women miss the value of connections. For instance, I don’t play golf, but I go out on the golf course. Just because I don’t play doesn’t mean I can’t talk to people and just make my presence known.”

Vargas echoed Mascolo’s comments.

“Peer relationships are critical. Do I go out of my way to make my peers successful? We get results through working with people. It’s about networking,” she says.

Hankins shared her unconventional route to success. After high school, she served for four years in the Air Force before entering Stevens. While an undergraduate, she belonged to the fencing team, the Stevens Technical Enrichment Program (STEP) and Khoda. She made partner at Stroock in 2008. Her advice? “You have to push and ask for what you want. I asked about making partner (at annual reviews). I asked them, ‘What should I be doing to be partner ready?’”

Rizk discussed the advantages of her education. “A Stevens education springboarded me to the next level. A technical degree is a good investment. It opens doors,” she says.

Lynn Insley, the director of Stevens’ Office of Career Development, served as moderator.—Lisa Torbic

Stevens honored 13 outstanding student leaders at the dinner.

Recognized that evening, front row from left, were Amanda Nauman ’11, M.Eng. ’12, Caroline Amaba ’12, Ph.D. student Amanda DiGuilio ’11, M.S. ’11, and Kendra Appleheimer ’12. Back row: Bosede Omolayo, M.S. ’12, NancyMarie Santora ’13, Melissa Wiegand ’13, Suzanne Hartwell ’12, Molly Bennett ’12, Lauren Gutierrez ’12 and Alecia Hart ’12. Allyson Mackavage ’12 and Lauren Mayer ’12 are not pictured.
SUPPORT SCHOLARSHIPS AT STEVENS

A Call to Action from John Dalton ’60

Bloomberg Businessweek ranks Stevens as a “Top 25” university for return on investment from a college education, a fact that all alumni can take pride in. Maintaining that ranking will be a continuing challenge. Stevens has a total of 125 named scholarship funds with cumulative gifts of $30 million, and awards from these scholarships account for just over 3% of financial aid to needy undergraduates. That’s a far lower percentage than at peer universities, and it places Stevens at a competitive disadvantage.

Why support Stevens Scholarships? When you attended Stevens, others invested in your future – both directly to scholarships and indirectly through their gifts to other areas at Stevens. Now, it’s your turn. As alumni, we’re responsible for sustaining the value of a Stevens degree for ourselves and future generations. It’s the best investment you’ll ever make: making a positive difference in a young person’s life.

“It’s the best investment you’ll ever make: making a positive difference in a young person’s life.”

My goal is to increase overall support of scholarships at Stevens. To achieve this, I will work with alumni volunteers and staff at the University to expand fundraising efforts for established funds – both family and class funds – and to encourage individuals, classes and other affinity groups to launch campaigns to name new scholarship funds at Stevens. Our overarching goal is to raise $40 million for scholarships by 2020 – our landmark 150th Anniversary.

We need your help. Scholarships are a critical priority for the future of our students and our University. My firm belief is that if you earned scholarship support from Stevens, it’s your turn to support Stevens scholarships.

If you are interested in learning more or would like to help with the scholarship initiative, please send John an email at scholarships@stevens.edu

Or contact the Office of Development at 201.216.5214
Waters is warm and friendly and, despite being less than 5 feet tall, she easily commands attention. But in some past job interviews, she has been told that she seemed “too nice for the job,” and people have questioned whether she would be forceful enough to do what needs to be done when faced with adversity. She could walk into a room and not get that baseline of respect given to men, she said.

“Sometimes I have to remind people that without strength and tenacity, I would not be where I am today.”

While progress can be slow, the world is better when it comes to truly respecting women as leaders, Waters said. And it’s a better world for her daughters. —Stevens Office of News and Media Relations contributed to this report.

Stevens engineer works to create some of the most popular toys for kids

Since 2004, Dominique Gonzalez ’04, M.Eng.’10, has worked as a product engineer for Fisher-Price/Mattel in New York City and was recently promoted to senior product engineer. True to the company’s mission of “Creating the Future of Play,” she is responsible for the production of some of the most popular toys on the market.

It may be hard to imagine all the work behind creating the latest toys, but listening to Gonzalez describe her role in getting the company’s products on the shelf—from working with designers on various stages of concept and design to manufacturing, packaging and distribution—creates great appreciation for her job and the education she received at Stevens.

As a senior product engineer, Gonzalez is charged with considering first, if the toy design is able to be manufactured, and then supervising it through the production cycle, including debugging and safety inspections, making sure the product meets expectations in every way. As highly sophisticated and complex as it is, Gonzalez describes her job as a fun place to be. Considering some of her favorite toys — Handy Manny Toolbox, Elmo Live and the Sesame Street Cars—that’s not surprising.

“In a job like mine, it’s actually ‘OK’ to watch cartoons and get excited about toys,” she said. “It’s fulfilling to see my products in the stores, to see parents buy them. Really, I get to make things that make kids happy!”

“I am definitely a big kid,” she said with her winning smile. “My cubicle looks like a toy room.” Some toys she has worked on include Disney and Winnie the Pooh products, Baby Bubble Guppies, Peppa Pig and Octonauts.

Gonzalez’s success in work and life, she says, is linked to several factors. Recalling her days at Verona High School in New Jersey, Gonzalez, now of Montclair, N.J., pointed to her mother’s high expectations. “I was always pushed to do well in school,” she said. “As were expected, and if I was struggling with getting those, I was encouraged to find help and support. There were no exceptions.”

Her uncle, a mechanical engineer, was also an influence.

“A few things he told me about the field that inspired me: one, that mechanical engineers are versatile and, two, engineers, generally, are taught to be good at problem-solving,” she said. “At Stevens, that all held to be true.”

She has a simple motto.

“You can smile and be strong at the same time,” Waters said.

“Working with quality faculty—very much known out there for their expertise, their research, and yet so available to students—is what you get at Stevens, and that makes all the difference.” —Stevens Office of News and Media Relations

As a Stevens student, Gonzalez was a member of the women’s volleyball team, the Black Student Union, Latin American Association, National Society of Black Engineers, the Stevens Technical Enrichment Program (STEP), and the Society of Hispanic Professional Engineers.

The highlights of her Stevens experience? STEP and her Senior Design project, when she and her team designed a medical device that earned them a U.S. patent.

Gonzalez and team earned the patent, “Method and Device for the Controlled Delivery and Placement of Securing Elements in a Body,” in 2011. Their senior design project also won top prize at the New Jersey Chapter meeting of the International Society of Pharmaceutical Engineers and first place in the ISPE Poster Competition. The project’s original title, “Remotely-Operated Stitching Device,” provided an innovative way to reduce, if not eliminate, invasive surgery. The aim was to develop a method for securing an endovascular stent-graft in place from within the aorta, using spiral Nitinol clips.

“I learned a lot during the Senior Design experience,” she said. “And the highlights of the project were a big deal. We got to present in San Jose (Calif.) at a professional conference. Most memorable for me, though, is having worked with Professor Zhengi Zhu, our Senior Design adviser.

“Working with quality faculty—very much known out there for their expertise, their research, and yet so available to students—is what you get at Stevens, and that makes all the difference.” —Stevens Office of News and Media Relations
A freshman swimmer struck gold this past winter when she became only the second student in Stevens history to win an individual NCAA championship.

Brittany Geyer of Brunswick, Ohio, won the NCAA Division III national title for the 200-yard breaststroke at the NCAA Division III Swimming and Diving Championships, held in Indianapolis in March. Geyer became the second Stevens athlete to win an individual NCAA title. In the 2010-2011 academic year, Laura Barito '11 captured two NCAA titles in swimming (50-yard freestyle) and track (400-meter hurdles).

Geyer also led seven Stevens swimmers to a fifth-place finish at the NCAA Championships—the team’s best finish in its history.

Men’s swimming also enjoyed an excellent season. The Ducks placed 11th at the NCAAs and swept the Empire 8 end-of-the-year honors with freshman Wesley Ellord of Phoenix, Ariz., earning Rookie of the Year honors and junior Alex Benham of Raleigh, N.C., taking home the Swimmer of the Year distinction. The team sent eight swimmers—its largest group ever—to the nationals, and they earned three All-America nods and 14 honorable mention All-America finishes at the four-day event.

Women’s fencing also had a great year, compiling an astonishing 27-7 overall record that included a winning streak of 15 matches—both all-time bests. The team won the National Intercollegiate Women’s Fencing Association Division III Championship for the second time in three years, and nine Ducks qualified for competition at the NCAA Regionals.

Meanwhile, the wrestling team was another big winner, with men’s basketball, men’s volleyball and women’s fencing also having superb seasons as well.

Junior wrestlers Joey Favia of Brick, N.J., and Ryan Dormann of Mickleton, N.J., each won conference titles for Stevens at the 2012 Centennial Conference Wrestling Championships, advancing to the NCAA meet. At the NCAAs, Favia finished fifth in the 165-pound weight class to become the fourth All-American in Stevens’ wrestling program history. The Ducks also earned the program’s first win over national powerhouse and state rival The College of New Jersey.

The men’s basketball team had another successful year, pocketing the fourth 20-win season in its history. The Ducks reached the semifinals of the Empire 8 and ECAC Metro Championships and had three players become members of the program’s 1,000-point club.

Men’s volleyball was ranked as high as No. 5 in the nation, according to the American Volleyball Coaches Association (AVCA) Top-15 poll, and ended the year with a record of 28-8 and a No. 6 ranking. The Ducks were the runner-up in the United Volleyball Conference (UVC).

Many Stevens athletes also won accolades inside the classroom. In late February, the University honored 73 student-athletes who made the President’s List. This marked the fifth consecutive semester that more than 70 student-athletes had a semester with a cumulative grade point average above 3.75.
Hundreds join in celebration with series of events

Celebrating the opening of the Hanlon Financial Systems Lab are, from left, Dr. Dinesh Verma, executive director, Systems Engineering Research Center (SERC), and dean of Stevens’ School of Systems and Enterprises; N.J. Lt. Gov. Kim Guadagno; Cathy and Sean Hanlon ’80; Dr. Gregory Prastacos, dean of the Howe School of Technology Management; and Hoboken Mayor Dawn Zimmer. The lab is part of Stevens’ new Financial Systems Center.

This past spring, the Stevens community celebrated the opening of the Financial Systems Center (FSC), a state-of-the-art financial research and teaching facility with an inter-disciplinary focus on financial systems, software engineering and cybersecurity.

The FSC officially opened inside the Babbio Center during a series of launch events on April 17 that attracted several hundred people to campus. The FSC will support academic programs at the undergraduate, master and doctoral levels by applying systems thinking to analyze the behavior of the complex global financial system and confront the most urgent problems in contemporary finance. At its heart is the Hanlon Financial Systems Lab, a financial trading room and a gift of Sean Hanlon ’80 that integrates the latest technologies—including 12 Bloomberg computer terminals—and provides access to real-time and historical data.

During a VIP ribbon-cutting event, New Jersey Lt. Gov. Kim Guadagno applauded Stevens for taking a leadership role in preparing students for careers in financial services and for enhancing its finance curriculum to make New Jersey a more desirable place for Wall Street firms to establish operations.

“Stevens graduates will be well-prepared to step out of the classroom and into jobs right here in New Jersey,” Guadagno said. The finance industry accounts for six percent of total New Jersey employment and 11 percent of total wages earned, and it has been targeted as an area of long-term growth in the state’s new State Strategic Plan.

Besides the ribbon-cutting ceremony, guests were invited to tour the Hanlon Financial Systems Lab, a gift of Hanlon, who is CEO and chief investment officer of Hanlon Investment

Continued on Page 25
Alumni Enjoy Elegant Evening at the Waldorf

Stevens on the Street members and guests—250 strong—gathered in Manhattan at the Waldorf=Astoria on the evening of April 17 to renew ties with the university and celebrate the launch of the new Stevens Financial Systems Center and Hanlon Financial Systems Lab, both of which had officially opened on campus earlier in the day to great fanfare.

Over hors d’oeuvres, light entrees and cocktails, Stevens President Nariman Farvardin spoke to the affinity group comprised of financial services industry members, noting with pride that he believes “the Financial Systems Center will soon become the place Wall Street will go when it encounters complex financial problems and challenges it doesn’t know how to solve by itself.”

Dr. Farvardin also invited alumni to become more involved in the Stevens of the future through campus visits, ideas, contributions and other activities.

Three alumni with long and successful careers in finance—Sean Hanlon ’80, CEO of Hanlon Investment Management and primary benefactor of the Hanlon Financial Systems Lab; Carmine Lizza ’85, CIO and global head of technology for the investment firm Lazard; and Chris Ferreri ’77, managing director at ICAP, the world’s largest interdealer broker—then spoke to the crowd, noting the importance of keeping in touch with Stevens, the university that had trained them so well to enter the financial services industry.

The trio finished by taking questions from the audience.

“It’s been one heck of a day,” concluded Hanlon, sending attendees out into an unseasonably warm evening with complimentary gift bags of FSC mugs and a request to give generously to Stevens and help build upon his own gift of the Financial Systems Lab.
Management and a member of the Stevens Board of Trustees. Hanlon, Stevens officials and Hoboken Mayor Dawn Zimmer attended the ceremony.

Earlier that day, an academic colloquium, which drew a full house to DeBaun Auditorium, was held. Opened by Stevens Provost Dr. George Korfiatis and moderated by Dr. Khaldoun Khashanah, Financial Engineering program director at Stevens, the colloquium featured three finance experts who spoke on the necessity of applying a systems approach to the study of global finance, as markets move at higher speeds and grow ever more interconnected.

Lou Crandall, chief economist at Wrightson ICAP, summarized the current problems facing the financial industry and outlined lessons from the turbulence of the last five years. He said preceding the economic crisis, we didn’t think about what problems would have a ripple effect through the system, which left us vulnerable to being blindsided.

“Putting financial research in a systems perspective is an appropriate and fruitful way of extending the kind of analysis we currently do and understanding systemic risk,” Crandall said. “This will be very important for the economics profession going forward. We can certainly benefit from insights from other disciplines.”

Dr. Robert Engle—a finance professor at New York University’s Stern School of Business and the winner of the 2003 Nobel Prize in Economics—discussed how underestimation of risk and excessive incentives for taking risks contributed to the recent global financial crisis. He said a broader, cross-disciplinary viewpoint could be instrumental in preventing future crises by revealing better notions and products for measuring systemic risk.

“I think the kind of research that might come out of the FSC can make progress in improving how the system works to prevent the future disruption of the global economy.”

Dr. Robert Engle
Winner of the 2003 Nobel Prize in Economics
can make progress in improving how the system works to prevent the future disruption of the global economy,” Engle said.

Dr. Andrei Kirilenko, chief economist for the U.S. Commodity Futures Trading Commission, discussed the necessity of data validation to how we analyze and work with the markets, to prevent small decisions from leading to large losses. He said the discipline of systems engineering, which teaches engineering and technological solutions, is excellent at doing this.

“There is great synergy between what Stevens has to offer and how the financial markets work today,” Kirilenko said.

During the day’s luncheon, keynote speaker Richard Breuckner, chief of staff of BNY Mellon, discussed the impact of government over-regulation on finance and Stevens’ leadership in the area of financial analysis.

Hanlon’s family attended the luncheon, where Stevens President Dr. Nariman Farvardin presented Sean Hanlon with a President’s Pin and flowers to Sean’s wife, Cathy.

Later that evening, Stevens on the Street—a group which brings together finance sector alumni—hosted a cocktail reception at the Waldorf=Astoria in Manhattan. Dr. Farvardin welcomed hundreds of alumni from every decade since 1950. (See accompanying story on Page 24.)

ICAP and RealTick are strategic partners of the FSC. Additional support, data and software will be provided by Bloomberg, Thomson Reuters, Jefferies, Gain Capital, Tripe-Wire, Decide-FS, RedSeal and Fortify.

To learn more about Stevens’ Financial Systems Center, visit www.stevens.edu/fsc.
Creativity on Display

Stevens Innovation Expo highlights more than 90 student design projects

By Stevens Office of News and Media Relations and Beth Kissinger, Editor

Some of the country’s most prestigious researchers and entrepreneurs—and Stevens’ best young talent—gathered to celebrate the institute’s creativity at the Stevens Innovation Expo on April 25.

This year, the all-day affair included not only the main event—the student Senior Design exposition—but also an academic colloquium, Elevator Pitch and Project Plan competitions for students and a faculty poster session.

The day began with an academic colloquium featuring presentations by Hazel Szeto, professor of pharmacology at Weill Cornell Medical College; Stevens professors Peter Tolas and Ronald Besser; and keynote speaker Stephanie Newby, founder and managing director of Golden Seeds Angel Investor Network, a company dedicated to empowering women entrepreneurs and their investors.

For the Elevator Pitch competition, students presented their business ideas to a panel of five judges who represented potential investors. The Project Plan competition invited students to persuade the judging panel—this time representing potential clients—to select their projects over the competition.

In the Elevator Pitch competition, the Spinomedics team beat out 10 other competitors. Team members Kerri Killen, Samantha Music and Justyna Zielinska designed a battery-powered mechanism that measures spinal range of motion in a less invasive, less expensive manner than a traditional X-ray.

In the Project Plan competition, the Genovation team of Lindsay Daly, Alina Duran, Larry Giannechini, Sarah Parker and Michael Walker defeated nine other competitors with its hybrid operating room and ceiling canopy.

The day’s highlight, of course, was the annual Senior Project exposition, with more than 90 student projects displayed inside Canavan Arena, in tents on Schaefer Lawn and inside Walker Gym, where, for the first time, students from Stevens’ College of Arts and Letters participated in the event.

Team members Janine Ambubuyog, Robert Stilo, Robert Quinn and Alexander Lon—nicknamed The Fantastic Four—designed and built a 700-lb. concrete canoe, which competed in the ASCE 2012 Concrete Canoe conference competition in April. At the contest, the team won for Best Presentation and also captured the Best Spirited Award.

Lon said that their canoe, made of special strength concrete and recycled materials, was the only canoe in the contest that was a segmented design, with each panel fabricated individually. They also used nanotechnology to boost the vessel’s strength.

“We built the canoe in a way no one has done before,” Lon said.

The team behind the UAV Search and Rescue—Lauren Gutierrez, Kaleb Bastart, Mike Poploski and Brian Tagalog—built a prototype of an unmanned aerial vehicle to be used to locate victims who may be trapped after a catastrophic event. The vehicle consists of three helium-filled Mylar balloons, three motors, a CMOS camera and a PC-based user interface. And its test flights—in side the Burchard Building and Canavan Arena during the Innovation Expo—were successful.

The engineering team of Kendra Appleheimer, Magdalena Majcher, Jessica Schneider and Nicholas Walulik designed a therapeutic toy for teenagers with autism, working with the Lakeview School, a school for children with disabilities in Edison, N.J. The toy is an electronic box that includes a joy stick, buttons, lights and photos of different destinations. Students move the cursor through a series of mazes to reach a location, and the toy lights up when the goal is reached.

Lakeview teachers had longed for an educational toy that was more appropriate for older children. Majcher, a volunteer at the school, was glad to deliver. “It’s rewarding to help kids—kids who really do need the help,” she said. “It’s meant a lot to me.”
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
Thinking outside the box

Stephens couple starts packing company aimed at small-space living

By Lisa Torbic
Associate Editor

As undergraduates, Stephanie LeBlanc ’06 and Cliff Godfrey ’07 both knew there had to be a better way to end every school year. Both had to leave campus housing every May, only to return three months later with books, clothes and personal items. Every spring, in between cramming for exams, LeBlanc would spend her time packing her stuff into plastic containers and loading the containers into a car before heading home to Brooklyn, N.Y., for the summer. Godfrey would do the same time-consuming routine before returning to his South Orange, N.J., home. Everybody on campus was doing this annual routine, and these two students thought there had to be a better way.

Last year, the two of them—who will be married next year—decided to look into creating a business out of their earlier frustration. And soon after, “Bin There, Store That,” a packing and storage solution company, was born. Think of those large, portable storage containers in suburban driveways, but for the college or small apartment crowd.

“BTST” rents sturdy, re-usable plastic bins to students, residents and companies in the northern New Jersey and New York City area. Bins come in several sizes, are delivered to your door, and require no assembly. Residents can pack and stack bins at their leisure. BTST picks up the bins, stores them, and then returns with the bins when the customer requests. According to the company website, customers save time and money by not searching for or buying cardboard boxes, which then must be broken down and recycled or simply thrown away.

Prices vary depending on number of bins, size of storage unit and length of storage, but generally start at $50 per month.

“We figured there had to be a better way to pack and move your stuff,” said LeBlanc, who belonged to the Stevens Technical Enrichment Program (STEP) and Co-op while an undergraduate. “We live in such a transient community and everybody needs more space for their stuff.”

The company, based in Hoboken, promotes itself as “green” because every bin is reused. After each rental job, the bins are cleaned and sanitized for the next time. The two met on campus at a Halloween party at the Beta house when she was a junior and he was a sophomore, and are the parents of two daughters, Emerie, 2, and Alivia, four months.

The couple returned to the Stevens campus recently with some bin samples and a “Summer Price Special” offer for students—BTST will charge a special rate for Stevens students for a summer rental and storage. The company will return to campus with the bins when the students return for the fall semester. The students—and their parents—don’t have to cart containers and boxes out to the car, store them at home and return the property to Hoboken at the end of the summer. The two said their Hoboken-area storage solution is ideal for students, who might not like lugging heavy boxes home every year. It’s no-muss, no fuss, they said.

When the idea for the company really took hold, LeBlanc and Godfrey researched a business model and found that while some companies on the West Coast have a similar style, they were not servicing the small apartment segment so common in the New York City area, and especially on college campuses. The two think BTST stands on its own because of the heavily populated area they service. They thought they might have a viable business when, soon after advertising began, they started getting calls from New Yorkers. “We have a lot of clients in Brooklyn and Manhattan,” Godfrey said. Besides advertising online, the two also are getting clients through old-fashioned word of mouth.

Godfrey, who graduated with a degree in business technology, applied some of his education when creating the company. “I looked at the logistics, what was cost-effective in terms of clients,” he said. LeBlanc, who graduated with a degree in electrical engineering, said she also applies her Stevens background for the new company.

“They’re analytical, how to solve a problem and how to streamline a process,” so those skills are a natural fit in the business world, she said.

Godfrey said he doesn’t think the recent changes in the economy will affect this business.

“Everyone still has to move and I think we can be resilient to the hurdles in the economy,” he said.

Both continue to work full-time: she handles online ads for a company in Manhattan, and he is a project manager with a housing authority in a New Jersey municipality. What’s next for the budding entrepreneurs?

“I wouldn’t mind testing the waters, maybe even giving an elevator pitch to other colleges in New Jersey, like NJIT or Rutgers-Newark,” Godfrey said.

It’s obvious that their Stevens pride still runs deep.

“The bins are red. Not a Stevens red, but it’s still close,” LeBlanc joked.
App-ealing to your creative side

Stevens among NJ schools to compete to see who makes the best mobile app

By Stevens Office of News and Media Relations

Stevens and two other New Jersey universities will sponsor a competition among their students, faculty and alumni to develop a market-ready mobile app.

The “New Jersey Apps Challenge” will be held through Dec. 31, 2012. The winning developer will receive dinner with the CEO of foursquare, a social media platform firm.

At the launch announcement of the competition this past spring at Stevens, Stevens President Nariman Farvardin welcomed U.S. Sen. Frank R. Lautenberg (D-NJ) and FCC Chairman Julius Genachowski to the Babbio Center. Days after the announcement, Lautenberg introduced a piece of legislation that will provide university researchers with funding to develop potentially innovative and marketable ideas and promote training to students in matters such as copyrighting, commercialization and product development.

Besides Stevens, alumni, faculty and students from Rutgers University and New Jersey Institute of Technology will also compete to build-from-scratch a mobile app. Then-Rutgers President Richard McCormick and NJIT Vice President of Research and Development Donald Sebastian ’74, M.Eng. ’75, Ph.D. ’77, joined Farvardin, Lautenberg and Genachowski at the spring event.

“The Challenge” will work as follows: a panel of judges will evaluate entries, with the overall winner meeting with Dennis Crowley, CEO of foursquare, to pitch the winning idea. Individual winners will be selected from each university to meet with the university presidents.

“New Jersey’s students and entrepreneurs are on the cutting edge, and the apps challenge will showcase this next generation of New Jersey innovators,” said Lautenberg. “New Jersey has long been the birthplace of new ideas that have transformed our economy and our world and, by bringing the brightest minds in business and academia together, we can help ensure that New Jersey continues to build on its rich tradition of innovation.”

“New Jersey has all the key ingredients to become a great engine of job-creating innovation: talent, world-class research universities, infrastructure, and access to capital,” said Genachowski. “I’m glad that New Jersey leaders, like those here today, are working to encourage collaboration and entrepreneurship in the apps economy and advance a low-cost but potentially high-yield way for young people to build their business skills and practice being an entrepreneur.”

Farvardin also announced that the university would be partnering with Hoboken Mayor Dawn Zimmer, entrepreneurs and investors to develop a “technology startup hub” in Hoboken and surrounding communities. “We envision the technology hub as a kind of nexus – offering a complete ecosystem to support growing startups, provide mentorship and guidance on how to compete in the technology market, assist with operating costs and create sustainable job growth in the region,” said Farvardin.

The event showcased the economic potential of mobile apps, a rapidly growing sector of the U.S. economy. Dr. Michael Mandel, chief economic strategist at the Washington, D.C.-based think tank Progressive Policy Institute, and author of “Where the Jobs Are: The App Economy,” noted that nearly half a million jobs have been created in mobile app development.

According to a recent study by Dr. Mandel, New Jersey ranks fifth in the nation in app economy jobs (based on share of overall employment), trailing only traditional technology stalwarts like California and Washington.
Rick Kuehn ’01 has had many defining moments in his life. For more than six years, he served on active duty with the Air Force and had a host of duties while deployed: a C-17 instructor pilot; chief of tactics in Bishkek, Kyrgyzstan; and chief of squadron current operations. The day after his active duty ended, he was commissioned as a major into the Air Force Reserves. He’s also served as a disaster responder with the American Red Cross of Greater New York, currently instructing their disaster training classes.

But one recent memory stands out: sitting on the floor, in a modest home in the village of Kipingi, located in southwestern Kenya, peeling a potato-like vegetable for dinner while a sudden but fierce thunder and hail storm erupted outside. He recalls the residents of the home laughing at the sight of this man sitting cross-legged, holding a knife in one hand and cutting into the vegetable. There were not enough chairs to accommodate Kuehn and his companion, so the two Americans opted to sit on the floor while the residents sat comfortably in chairs. The gesture showed the Kenyan people that these visitors to their home and country had respect for them, that these guests weren’t out to pity them, but simply wanted to help.

Kuehn, who grew up in Hackettstown, N.J., is a volunteer with Engineers Without Borders Northern New Jersey (EWB-NNJ) chapter, a volunteer organization whose mission is to “implement sustainable development projects in communities around the world with the purpose to improve the standard of living and to empower communities.” The national group was started in 2000 when a civil engineering professor at the University of Colorado at Boulder met a Belize Ministry of Agriculture representative by chance. Today, more than 12,000 students, faculty and professionals belong to EWB-USA, the parent organization.

The NNJ chapter’s latest labor of love is the Kipingi Community Water Project, where the group designed and constructed a well to provide clean drinking water for people in the Kipingi village and nearby areas, which suffer from a shortage of potable water. Previously, the community dug shallow wells that evaporate during the dry seasons or members used contaminated and muddy water from seasonal rivers and springs, which results in a prevalence of dehydration, diarrhea and diseases like cholera and typhoid.

The new well, completed earlier this year, reaches 100 me-
Rick Kuehn ‘01, center in green shirt, helps people from the village of Kipingi, in Kenya, learn how to operate a water well.

ters (about 328 feet) into the earth and will supply water to those in the village, two nearby schools and other surrounding areas. Kuehn estimates that more than 1,700 people will be able to use this well, which is vital during the two dry seasons of October-November and January-March.

Kuehn spent four weeks this past January and February in Kipingi, ensuring that the well was constructed and operational and that the locals could maintain it if problems arise. And, he said, as these things go, of course there were problems.

“The first two weeks, there was a lot of drilling, a lot of meeting people. During the first installation of the pump, there was a problem,” he said, and the pump was off by five degrees. But the goof was a blessing, in a way, because dozens of villagers came by to help fix the mistake, thereby allowing them to become fully engaged in the project. “Mistakes are OK if you learn from them,” Kuehn said. He left the villagers with a working well and the knowledge of how to maintain and service it if another problem comes up.

While at Stevens, Kuehn was on the varsity fencing team, belonged to Phi Sigma Kappa fraternity, and was a member of the Air Force ROTC program. After earning his degree in computer engineering at Stevens, Kuehn served in the Air Force for almost six and a half years. As a C-17 pilot, he led a crew of five, and was responsible for up to 50 tons of cargo and more than 100 passengers. But amid the hustle and bustle of a busy military life—one year he spent 285 days away from home—he felt he was missing something, the use of his engineering skills.

“It was purely for selfish reasons that I began working with EWB, I wanted to develop the engineering skills that I had let slip,” he said. “I really hadn’t been engaged with engineering except through reading about it. I wanted to do something with my life. And I wanted to tell the story, to engage people in a real view of the world.”

Due to his military career, he’s traveled into hundreds of places all over the world, including Iraq, Afghanistan, Kuwait, Quatar, India and Myanmar, among others. While with the Reserves, he’s been deployed to Incirlik, Turkey, and Homestead, Fla. Currently, he is an operations officer in a contingency response unit, the 512th Airlift Control Flight. He describes his unit as a “911 Responder,” meaning that if there is a need for an operational airport anywhere in the world, the team has 24 hours to assemble, 12 hours to be packed and on the plane, and 40 minutes after landing to have the airfield operational. One recent deployment was in response to the 2010 earthquake in Haiti. He’s earned five Air Medals, each signifying at least 20 combat missions.

He stumbled across EWB in October 2009, about two years after leaving active duty with the Air Force. While in Bishkek, his team had the lead responsibility for determining where relief flights could land after the 2005 Pakistan earthquake. He saw up-close the need for relief efforts from this assignment and others like it, and began to think about one day volunteering to help. He discovered more about EWB and the Red Cross, and found EWB’s work and mission “unique and very cool.” Working with the group in Kenya would allow Kuehn the opportunity to “have a real experience. This was not going to be like going on a safari, although that’s cool, too.” It was also going to bring up some self-questioning, “After being out of school for so long, I had to ask myself, ‘What do I bring to the table?’ ”

Years later, he’s more than pleased with his entire experience. “This has allowed me the chance to give back to engineering by
doing projects, by building something,” he said. “It turns out that I do bring something to the table,” he said, while laughing slightly.

Kuehn enjoys the work so much that, in April 2012, he was appointed president of EWB-NNJ, a one-year position. He succeeded Chloe Weck Maietta, who graduated from Stevens in 2007. Greg Maietta, Chloe’s husband and also a Stevens grad from 2007, was also appointed treasurer during that April meeting.

With his EWB-NNJ duties, Kuehn keeps a busy calendar, but he also has to pay the bills. For the past year and a half, he’s been a vice president of SDA Consultants, a New York City-area company that designs telecommunications networks, security systems and audio visual systems. It was started by Sid Sardar ’01, president; Ken Adam ’03 serves as the company’s Director of Engineering. In July, Kuehn begins his studies at Marines Corps University Command and Staff College (CSC) Quantico, Va., a highly-selective 11-month course designed to develop his war fighting leadership skills.

But Kuehn doesn’t see his work with EWB-NNJ ending anytime soon. The group has about 50 members, 30 of whom are active, and Kuehn doesn’t want to lose their activism. They’re still deciding what project to do next, but the chapter is committed to monitoring the Kipingi Community Water Project for the next two years, which probably means another trip to Kenya. And in today’s technology-driven world, Kuehn and others can web conference from anywhere to stay connected to the group and its projects. “It’s a wild world where I can be in a field in Kenya and work just as effectively as I can at my desk in Manhattan,” he said.

Even with such a full plate, Kuehn is humble and quickly points out how his Stevens education has helped him. “Today, I more than appreciate the education I received at Stevens. It was intense and it was broad-based, and I feel like I really got it all in terms of variety. Stevens taught me to ask the right questions, it taught me an engineering mind-set. And that’s helped me in the Air Force and in business. It applies everywhere,” Kuehn said.

If you would like to volunteer with the EWB-NNJ or would like more information about or to help with the Kipingi Water Community Project, contact Kuehn at 917-512-5589 or rick@rickkuehn.com. Also, visit http://ewbnnj.org.
Old Guard Chairman
Emil Neu ’55, left, shares a moment with
Dr. Michael Bruno,
Hon. M.Eng. ’01, dean of the Schaefer School
of Engineering and
Science, at the Spring
Old Guard Luncheon
in April. Dr. Bruno was
the guest speaker at
the luncheon.

Gathering for good food and even better conversation at this Spring’s Old Guard Luncheon were, from left, Richard Smolen ’58, John Albano ’56 and Mike Bonner ’58.

Ralph Golzio, 102, the oldest living
Stevens graduate, poses with Dr.
Nariman Farvardin,
Stevens president.
Dr. Farvardin gave
Golzio ’32 a special
lapel pin for his con-
tributions to Stevens.
This year marks the
80th anniversary of
Mr. Golzio’s com-
 mencement from
Stevens.
The Fishing Club’s April 21 trip out of Highlands, N.J., was a family affair. Thomas Buxbaum, grandson of Fishing Club President Dick Magee ’63, third from left, displays his impressive catch. Young Thomas caught the day’s largest fish and was high hook, with six stripers. Also attending were Patrick Stefanacci, with his dad Emil ’85, at left, and Dick Magee ’63, right.

Emil ’85 and Thomas Buxbaum (grandpa Dick Magee ’63). High hook with six stripers (three keepers) and the largest fish was Thomas. Obviously, grandpa was proud. Two more trips were scheduled for this spring.

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

The Stevens Alumni Association Fishing Club stripe trip on April 21 was a great success. Ten alumni, family and friends limited out, with 20 keeper bass and about 10 shorts. Joining the trip for the first time were Patrick Stefanacci (dad Emil ’85) and Thomas Buxbaum (grandpa Dick Magee ’63). High hook with six stripers (three keepers) and the largest fish was Thomas. Obviously, grandpa was proud. Two more trips were scheduled for this spring.

If you would like to join a trip in 2012, email Dick Magee ’63 at rsmagee@rcn.com.
The Lehigh Valley Club traveled to the America on Wheels auto museum in Allentown, Pa., on April 21. We were a small group on a beautiful April day, which made the experience all the better.

We were lucky to be led on a tour by our own Jim Hansel ’59, M.S. ’60, Sc.D. ’64, one of the museum’s founding board members. Jim’s passion for automotive engineering and close work with the museum took our club gathering to a whole new level. Being a Lehigh Valley, Pa., resident, he knew firsthand most of the history of local automotive engineering with Mack Trucks, as well as that of the Motor City, Detroit. His insight into automobiles, interchangeable parts and their use over the last century, including overseas in World Wars I and II, was simply awesome.

The second floor of the museum even had a “Cars That Were Stars” exhibit, which displayed cars used in movies and music, from “Chitty Chitty Bang Bang” to Van Halen to “Austin Powers” to The Muppets. If you couldn’t make it, I would strongly recommend a visit to this museum for anyone ages 7 to 77. Not nearby? It’s worth the trip!

Evelyn Burbano ’98, took her son, Julian, to the 2012 RoboGames to meet the Stevens team members. She is a co-leader of the Stevens Northern California Alumni Club.

The Stevens team gathers at the 2012 RoboGames, a robot competition held in San Mateo, Calif., in April. Although their entry was disqualified due to a battery that popped out, team member Adith Subramanian ’14, back row at left, said that they are learning things each year and hope to improve on this year’s performance in 2013.
Graduate Log

Neelan Choksi, M.S. ’96, is president and chief operating officer of TaskTop Technologies in Vancouver, British Columbia, Canada. Matthew J. Feldman, M.S. ’90, is co-founder, president and CEO of Versaly Entertainment in Bellevue, Wash., and lives in Issaquah, Wash. Srinivas T.R. Rao, M.S. ’75, Ph.D. ’79, is an adviser and entrepreneur in residence at Phoenix Venture Partners in San Mateo, Calif. Jorge M. Lage, M.S. ’01, works as a senior account executive with Carousel Industries Inc. of North America and lives in Yorktown, N.Y., with his wife, Isabel. They have three children. He can be reached by e-mail at jmlage@aol.com. Robert F. Sikorski, M.S. ’04, works in IT Strategy & Planning with Verizon in Basking Ridge, N.J. He lives in Long Valley, N.J., and can be reached at Robert.Sikorski3@verizon.net. Ada Sofia Pietropaolo, M.S. ’05, is a senior hospital applications analyst with the University of Medicine & Dentistry of New Jersey in Newark, N.J. She lives in Bayonne, N.J., with her husband, Michael, and daughter, Ava. Joseph A. De Vita, M.S. ’06, is a project manager with Sordoni Construction Company in Chester, N.J. He and his wife, Erica, live in Hawthorne, N.J. He can be reached at jdevita@sordoni.com. Xiaolu Ge, M.S. ’11, works as a sales and service specialist with Bank of America in the Metro New York, Gateway Market.


At the Presidential Reception for President Farvardin in Key Biscayne, Fla., were Silvia Canton de la Teja and husband Pete de la Teja, M.S. ’75 (photo above) and Carlos Toledo, M.Eng. ’11, and guest (below).
OBITUARIES

Joseph Brozina, M.S. ’54
Joseph Brozina, M.S. ’54, of Glen Ridge, N.J., a Professional Engineer and World War II veteran, died on March 31, 2012. He was 86.

Mr. Brozina spent his engineering career with M.W. Kellogg, Du Pont and Davey-McKee and taught at the Naval Missile School in Norfolk, Va.

He served in the U.S. Naval Reserve and in the Navy’s V-12 program while an undergraduate at Cornell University, where he earned a bachelor’s degree in mechanical engineering.

Surviving are his daughter, Deborah, of New York City; a son, Mark, of Wayne, Pa.; and a granddaughter. His wife, Lea, predeceased him in 2010.

Vincent J. Addonizio, M.S. ’55

The Alumni Office has learned that Vincent J. Addonizio, M.S. ’55, a World War II Army veteran who earned the Bronze Star, died on Dec. 9, 2011.

Mr. Addonizio worked for 39 years in engineering management at Western Electric, Bell Labs, AT&T and Lucent Technologies. During World War II, he served in the Pacific and in Europe. Mr. Addonizio earned a bachelor’s degree in engineering from Oregon State University.

Surviving are his wife, Anita; a daughter, Gloria; a sister, Gloria; and two grandsons.

John R. Redmond, M.S. ’60

John R. Redmond of Harding Township, N.J., senior partner of a New York Stock Exchange specialist firm, died on March 28, 2012. He was 81.

Mr. Redmond was senior partner of Fowler, Rosenau & Company, before his retirement in 1995. He became a member of NYSE in 1967 when he joined the brokerage firm Carlisle DeCoppet & Company. Previously, he worked with the Willbur B. Driver Company. He served in the Navy from 1953 to 1958, retiring as a lieutenant.

Mr. Redmond served on the boards of Newark Academy and Montclair Community Hospital and sang with the Notre Dame of Mt. Carmel Church choir, Cedar Knolls, N.J. He earned a bachelor’s degree from Villanova University, where he was honored among its Distinguished Alumni in 1988.

Surviving are his wife, Norma; six children; three siblings; three step-children; 17 grandchildren; six step-grandchildren; and two great-grandchildren.

Judith Hurley Stanley Coleman, Hon. D.Eng. ’86

The Alumni Office has learned that Judith Hurley Stanley Coleman of Middletown, N.J., former chairwoman of the New Jersey Highway Authority from 1982 to 1988, and was only the second woman to do so since the NJHA’s founding in 1952. Mrs. Coleman served as a member of the Stevens Board of Trustees in the 1980s.

She was a director of the Rumson-Fair Haven Bank and Trust Co. She was also a longtime trustee of the Visiting Nurse Association of Central Jersey, joining its board in 1964 and serving as chair since 1977. Her numerous and diverse civic activities included serving as a member of the New Jersey State Council on the Arts and president of Save Sandy Hook.

Mrs. Coleman earned a bachelor’s degree in history from Smith College in 1956.

Surviving are her husband, former New Jersey Superior Court Judge James M. Coleman, Jr.; four daughters; six grandchildren; nine step-children; and 17 step-grandchildren. Her husband, Robert C. Stanley, Jr. ’43, predeceased her.

FACULTY/STAFF

George J. Yevick, Hon. M.Eng. ’58

Stevens Professor George J. Yevick, Hon. M.Eng. ’58, of Princeton, N.J., a popular physics professor to generations of Stevens students and recipient of 40 patents, died on Oct. 6, 2011. He was 89.

Dr. Yevick joined Stevens as a physics professor in 1947 and taught until his retirement in 1989; he was later named professor emeritus. His students knew him as “Jumping George.” “His love and enthusiasm for science was boundless,” his family said.

He also excelled in the laboratory at Stevens, where he designed, constructed and experimented with a thermonuclear energy device funded by the National Science Foundation, according to the newspaper Town Topics of Princeton, N.J. Yevick’s research on the many-body problem led to the Percus-Yevick equation in the theory of liquids, co-authored with Jerome Percus of the Courant Institute, Town Topics reported.

Yevick earned 40 patents for his work, including an optical reader and a data storage device invented with Dr. Adnan Wally. Their invention made the front page of The New York Times in 1975, Town Topics reported.

Dr. Yevick was born in Berwick, Pa., one of eight siblings, and borrowed money from a local mine owner and his scoutmaster to help cover his tuition at Massachusetts Institute of Technology, according to Town Topics. He earned his bachelor’s degree in physics in 1943 and did war research on wave guides at MIT’s Radiation Laboratory during World War II. He later earned his D.Sc. from MIT in 1947, under Professor Vicky Weisskopf.

A former resident of Leonia, N.J., Dr. Yevick was also an artist who filled his home and patio with original mosaics and other artistic creations, his family said. “His passionate love of life was contagious,” they said.

Surviving are his wife, Miriam Lipschutz-Yevick, a retired associate professor of mathematics at Rutgers University; a son, David; and three grandchildren.

(Editor’s Note: Undergraduate alumni subscribers can read a tribute to Dr. Yevick in the ’78 class log.)
Vital Statistics

Marriages
—Jacqueline C. McCarthy ’04 to Christopher P. Santoro ’05 on April 27, 2012.
—William A. Muronka ’06 to Heather M. Rose on May 19, 2012.

New Arrivals
—To Peter R. Rogina ’84 and Kirsten, a son, Stephen “Teo” Rogina, on July 7, 2011.
—To Sapna and Joseph A. Llano ’00, a son, Joseph Ajay, on Dec. 17, 2011.
—To Jonathan Dubinski ’04 and Brooke A. Johnson Dubinski ’05, a daughter, Sabrina Lucia, on April 13, 2011.

Obituaries
A.E. Wilde, Jr. ’34 3/27/12
R.S. Arnold ’35 4/4/12
T. Pagano ’35 2/13/12
R.J. Day ’39 9/21/11
T. Weber ’39 3/25/12
J.E. Buhrer, ex ’40 2/29/12
M.W. Decker ’40 Unknown
W.K. Hesse ’40 Unknown
F.W. Giaccone ’41 3/2012
S. Gollin ’42 2/24/12
C. Waugaman ’42 5/5/11
A.H. Nelsen ’43 2/22/12
W.B. Spooner, III ’43 4/27/12
R.D. Sullivan ’43 1/12/12
A. Davis ’44 Unknown
J.V. Hazlett, Jr. ’45 1/20/12
H.B. Child ’46 4/8/12
J.J. Rowan ’46 Unknown
E. Schumann ’46 1/17/12
R.J. Suhr ’46 8/16/02
N. Constant ’47 11/25/09
E.H. Chamberlin ’48 3/18/12
F.H. Hauser, Jr. ’48 3/8/12
F.A. Ross, Jr. ’48 3/22/11
M.V. Dilorio ’49 10/5/95
A.B. Molten ’50 1/20/12
J. Teufel, Jr. ’50 10/10/11
W.J. Thorpe ’50 2/20/12
T.E. Armstrong ’51 7/30/11
C. Barbieri ’51 3/13/12
J.H. Gilbert ’51 9/10/11
H.E. Holzschuh ’51 12/8/11
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
J.M. Barritt, Jr. ’52 1/10/12
M.J. Travers ’52 11/17/11
R.J. Harper ’53 2/2/12
E.H. Hadden ’54 3/22/11
R.L. Mittl ’54 4/3/12
R.J. Murphy ’54 12/9/11
A.S. Hill ’55 8/28/10
A.W. Leithner ’55 6/9/12
D.J. Max ’56 5/25/12
G.W. Constantin ’57 1/2/12
R.A. Hampson ’57 1/15/12
A.H. Schleich ’57 8/5/09
M.A. Geisel ’57 9/18/11
J.B. Roede ’59 11/21/10
W.S. Winch ’59 7/26/11
C.W. Contino ’60 11/16/11
W.J. Brennan ’61 5/9/12
J.L. Hodges ’61 10/20/11
L.W. Jacobi ’61 2/8/12
W.C. Martin ’61 Unknown
W.A. Nakano ’61 3/3/12
A.J. DeLauro ’63 2/25/12
J. Hoyt ’63 10/10/11
L.V.S. Robeson, Jr. ’63 4/20/11
M.M. Bollar ’67 7/9/11
K.J. Gwozdz ’67 11/4/11
D.R. Daher ’70 8/30/11
S.J. Kody ’73 8/7/11
R.B. Odell, Jr. ’73 1/6/12
K.L. Ammann ’76 2/7/12
M.D. Madden ’76 11/22/10
A. P. Lappin ’77 5/21/11
D. Ulversoy ’77 5/10/12

Graduate School
R.W. Culbertson, M.Eng. ’49
W.J. Bischoff, M.S. ’52
M. Davis, M.S. ’52 10/15/11
J. Brozina, M.S. ’54 3/31/12
V.J. Addonizio, M.S. ’55 12/9/11
R.E. Kleppinger, M.S. ’55 8/31/11
H.A. Helm, M.S. ’66,Ph.D. ’63 1/7/10
P.P. Petron, M.S. ’60 5/7/12
J.R. Redmond, M.S. ’60 3/28/12
R.W. Rodden, M.S. ’61 10/10/08
J. Monchak, M.S. ’63 5/3/12
D.H. Yedwab, M.S. ’75 2/21/12
P.F. Caruso, M.S. ’02 5/19/12
F.M. Hill, M.S. ’03 4/4/12

Faculty/Staff
Paul Miller 3/28/12
G.J. Yevick, Hon. M.Eng., ’58 10/6/11

Editor’s Note: The Stevens Indicator reports the passing of alumni and other members of the Stevens community as the staff becomes aware of them.
ENROLL IN THE
LEGACY SOCIETY

“I’m delighted to have put in place a legacy gift for Stevens from my sister and me that will celebrate our father’s connection to his alma mater. Our gift will establish The Harry W. Gilson 1906 Endowed Scholarship, which will provide perpetual support for deserving students with financial need.”

– Joan Gilson

When Edwin A. Stevens founded and endowed Stevens Institute of Technology in 1870, he created a lasting memorial to his ideals. His legacy — perpetual exploration of the frontiers of engineering, science, and management — has inspired generations of the institution’s friends and alumni to follow his lead. As a result, bequest provisions and other planned gift arrangements have played an important role throughout the history of Stevens and continue to provide the resources essential to its future.

Launched in 1994, the Legacy Society honors the many benefactors who have made enduring gifts by including Stevens in their financial or estate plans. Stevens was founded with a significant bequest from Edwin A. Stevens, and it is therefore all the more fitting to recognize and celebrate the original foresight and support of the Stevens family through membership in the Legacy Society.

Through gift planning, you help assure the University will accumulate and deploy the financial resources that enable us to operate and grow as a premier institution, training and educating the next generations of technologists and problem-solvers who will address the world’s complex challenges.

TO JOIN THE LEGACY SOCIETY and inform Stevens of your existing gift provision, or to get answers to your estate and gift planning questions, please contact:

Michael Governor
Director of Planned Giving
201.216.8967
michael.governor@stevens.edu

Visit us online: www.stevens.edu/dev/legacysociety

CRITERIA FOR MEMBERSHIP

When you establish a Charitable Gift Annuity or a Charitable Remainder Trust with Stevens, or notify us in writing that you have established a trust, bequest or other planned gift for the University, you immediately become eligible for membership in the Legacy Society. Your planned gift may be for any amount, and your gift may either be unrestricted or designated for a specific purpose or program.

RECOGNITION

To acknowledge your thoughtfulness and generosity, you receive an inscribed certificate, a Legacy Society keepsake, special mention in Stevens publications and invitations to members-only events.

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MICRO offers a full range of low cost, high quality tubing solutions for the medical device market. Using our own tube mill for raw material, lead times for drawn and seamless tubing range from four to six weeks.

Our patented rolled tube technology, combined with automated work cells, allow us to drastically reduce tubing costs on high volume, single-use disposable instruments.

With over 40 years of technical expertise in tube fabrication, MICRO excels in R&D support, product development, prototyping, and design capabilities.

Utilizing our modern Class 8 cleanroom for assembly, our medical devices, components and subassemblies are recognized the world over for their superlative design and innovation.

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