A HIGHER CALLING
ALUMNI REBUILD WORLD TRADE CENTER
The Stevens Alumni Association and Stevens Institute of Technology have a long and proud history of recognizing excellence for outstanding service to the Institute and for notable professional achievement.

Stevens and the SAA have established six new awards 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 Stevens Awards Committee is now seeking nominees for these prestigious awards. Please take a moment to learn more about the awards and to nominate worthy candidates.

Do you know an award winner?

**NEW AWARD CATEGORIES INCLUDE**

- **Distinguished Alumni Award**
  This award recognizes outstanding alumni/ae for their success in fields including engineering, science and technology, business and finance, arts and humanities, academia and government; or for extraordinary community or humanitarian service.

- **Young Alumni Achievement Award**
  This award recognizes an undergraduate alumnus/a from the last 15 years who has demonstrated outstanding professional achievement.

- **Lifetime Service Award**
  This award recognizes sustained, dedicated service to Stevens.

- **Friend of Stevens Award**
  This award recognizes a non-alumnus/a who has demonstrated significant commitment and extraordinary support of Stevens.

- **Outstanding Contribution Award**
  This award recognizes an alumnus/a for one or more significant, recognizable contributions to Stevens.

- **International Achievement Award**
  This award recognizes an alumnus/a who has demonstrated significant international achievement and impact.

**Nominations are due by October 15th!**

To learn more or make a nomination, call the Alumni Office at 201.216.5163 or visit: [STEVENS.EDU/AWARDS](http://STEVENS.EDU/AWARDS)

Recipients will be recognized at the Awards Gala on April 6, 2013.
Dear Readers,

Welcome to the new Stevens Indicator! Our Summer 2012 issue unveils a new design for the magazine; we hope that you like it. We wanted The Indicator to have a fresher, more contemporary look. But we pledge to keep the same features that alumni have long enjoyed—from alumni profiles to campus news to the venerable Class Logs!

I want to thank Stevens graphic designer Jason Rodriguez for all of his wonderful work in creating this redesign. I also want to recognize our terrific Publications Committee who helped finalize the redesign: Lillian Chu Zawislak ’04 (chair); Dick Magee ’63; and Vicky Velasco ’04; along with Anita Lang, Stevens Alumni Association executive director; and Associate Editor Lisa Torbic. Our alumni volunteers spent many hours on this project, and their great insight, dedication and support are invaluable.

Please let us know what you think of the new Stevens Indicator. We really need your feedback for your alumni magazine. You can send me an email at Beth.Kissinger@stevens.edu or call me at 201-216-5161.

Thanks!

Beth Kissinger
Editor
The Stevens Indicator

Cover girl revealed

Editor’s Note: The Stevens Indicator received a phone call from Bob Bison ’64, who called to proudly inform us that the student featured on the cover of the Winter 2011-12 issue was his granddaughter, Katie Hall. Katie will be a sophomore this fall and is a member of the women’s volleyball team.

Congrats on Spring issue

The Spring 2012 issue of The Indicator is outstanding, bright and colorful! I read it cover to ’44 class news (and maybe a little more). The pictures are appropriate and the stories informative. I’d like to see a future story on the Stevens Honor System. Two of my old friends, Ed Egan ’40 and Bob Klein ’42, are highlighted near my class news, great! You did a good job! Thanks.

Herb Appleton ’44

Keep advancing alumni pride

Before any more time slips by, I want to thank you for the fine edit and layout of my “Stevens Traditions” article in the Spring 2011 Indicator. It was every bit as good as I imagined it to be when that issue arrived at my home! And, each issue of the Indicator seems to get better and better. As an alumnus, I was delighted to read the special Presidential Inauguration issue (Fall 2011), as well as the 40th anniversary commemoration of women at Stevens in the Winter 2011-2012 issue. You and your staff have been doing exceptional work editing and producing each issue of the Indicator. I look forward to reading every issue as it arrives at my door. Thank you for all that you do to advance alumni pride at Stevens. So, keep up the good work, and thank you for making this old man smile.

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Director of Stevens’ Sports Information & Events

On the cover
Jason Tirri ’00, left, and Tom O’Connor ’80 are rebuilding the World Trade Center site reconstruction with help from Jason Tirri ’00; the Class of ’62 celebrates during Alumni Weekend; and Internet pioneer Dave Farber ’56 establishes a chair for the Computer Science Department.

From left: One World Trade Center on July 9, 2012. Tom O’Connor ’80 is leading the World Trade Center site reconstruction with help from Jason Tirri ’00; the Class of ’62 celebrates during Alumni Weekend; and Internet pioneer Dave Farber ’56 establishes a chair for the Computer Science Department.

Photo: Jeffrey Vock
Dear Fellow Alumni and Friends,

A short while ago, we had our biggest and best Alumni Weekend ever. It was truly an amazing weekend and fun was had by all who attended. From our expanded dinner dance to our cocktail parties, beer and wine seminars and more, the quality of the weekend was truly remarkable. All the staff and volunteers really outdid themselves, and I could not be prouder of the event we put on. For those of you who attended, I know you had as good a time as I did, and for those who could not attend, we look forward to seeing you at Alumni Weekend next year, May 31, June 1 and June 2, 2013, and also at Homecoming on Oct. 13.

As you will notice, our Indicator has a new, fresh look. It took quite a bit of time and a lot of hours to get this update completed, and we hope you will all appreciate it.

Stevens has been receiving amazing recognition lately, and our alumni have been at the forefront of so many important things in our world, so we are using a lot of this issue to celebrate these accomplishments.

You will read about Tom O’Connor ’80, M.Eng. ’82, and his colleague Jason Tirri ’00, who are working on the reconstruction of the World Trade Center. Tom, of the Port Authority of New York & New Jersey, is leading the reconstruction and has made sure all of it has not only become an engineering marvel, but also has been delivered on time and on budget. He did this for the 1993 reconstruction, and has done this for all of the post-2001 construction, including the beautiful National September 11 Memorial, which marks its first anniversary this fall.

We have profiles on other alumni who are saving lives. David ’75 and Brad ’78 Schreck, co-founders of VectraCor, have received FDA approval for a stand-alone ECG machine which can provide early warning of a heart attack—and literally save lives. We also profile Dr. Suzanne D’Addio ’07, who has received a 2012 Endeavour Research Fellowship to conduct post-doctoral research on the treatment of tuberculosis.

Stevens has recently received a NASA grant to study severe weather, and some of our students have made news by winning top prize at the FAA Design Competition for Universities.

The steady rise of Stevens is continuing, and the great press and recognition we are receiving is exciting. In these tough economic times, being named among the country’s top schools for Return On Investment truly shows that the education we received really pays off.

The President’s Initiative for Excellence has really taken off, and I’m proud to see how many of you have embraced it and contributed to Stevens. I hope many more of you do, as President Farvardin wants to raise our standing in percentage of alumni giving. It’s important that all of us give, even as little as $10, to show the world that we are proud of where we went to school and are willing to stand up and say so. Alumni giving percentage is the world’s benchmark as to how proudly we reflect on our university experience.

Stevens’ recently completed 10-year strategic plan sets amazing goals for our school, and we truly hope that more alumni become involved to make the plan a success—not only with your financial support but also in your outreach to ensure that Stevens’ reach and influence are felt across the globe and in every industry.

Enjoy this issue of the Indicator, and I look forward to the continued success of our alma mater.

Mark I. LaRosa ’93
President, Stevens Alumni Association
larosam@alumni.stevens.edu

For more information on the rankings described in the Presidents’ Corner columns, please see: http://www.stevens.edu/sit/about/stevens-received-major-accolades-three-national-media-rankings.
Dear Alumni and Friends,

With the perspective of now being in my second year as President and the accomplishments we have made together during this time, I feel tremendously optimistic about what lies ahead for this great institution. I am both proud and appreciative of the participation and commitment of so many members of our community in accomplishing one of the most critical assignments we will ever undertake: the development of our 10-year Strategic Plan, The Future. Ours to Create. Faculty, students, trustees, administration, and many alumni have contributed to this plan in substantial and meaningful ways, from serving on the strategic planning committee, to attending Town Hall meetings and providing input, to reviewing drafts and suggesting improvements. This document is a superior product because of the tremendous involvement of so many members of our community.

The Plan charts a course for Stevens for the next decade that is both distinctive to this institution—building upon our unique strengths and our legacy—and urgently needed for the benefit of our global society. STEVENS 2022 will play an unprecedented role in forging solutions to some of our world’s most challenging problems—in healthcare and medicine, defense and security, sustainable energy, and financial systems. These areas, and others we may target in the future, are critical challenges that Stevens is uniquely poised to address because of our technology-centric orientation, our agility, and our solution-oriented focus. These characteristics and our focus on critical and complex problems will position Stevens not only to improve our world, but also to achieve greater national recognition.

I am pleased to report that, over the last several months, Stevens has received major accolades in three national media rankings: Bloomberg Businessweek, Insurance & Technology and Wall Street & Technology. Stevens ranked 23rd in the nation for Return On Investment for students in Bloomberg Businessweek. The publication reported that a Stevens education provides a 30-year net ROI of $862,500, and our 30-year net ROI for graduates of $1.17 million ranks 16th in the nation. The ROI ranking reflects what incoming students can reasonably expect from their investment when obtaining a college degree from a certain school. In Insurance & Technology, Stevens was listed among the top 11 schools for insurance and technology talent. Stevens was a part of this elite list that industry experts considered the best sources for building the next-generation insurance IT workforce. Stevens was also awarded honorable mention in Wall Street & Technology’s list of the 11 schools that capital market executives list as their favorite in hiring computer programming and engineering graduates.

Another tremendous accomplishment in 2011-12 has been the impressive success of the President’s Initiative for Excellence. The first year of this three-year, $30 million initiative, which focused on scholarship support, faculty development, infrastructure, and a public lecture series, was exceptionally successful. With generous contributions from alumni and friends, more than $13.8 million was raised during FY12, representing a 189% improvement over the previous year!

We also saw a tremendous increase in participation in our annual Alumni Weekend, which brought more than 720 alumni, families and friends back to Castle Point in June. This figure represents an all-time high and a 50% increase over last year’s event!

As these remarkable achievements illustrate, the entire Stevens community, with our alumni participation, is on an upward trajectory as we launch our Strategic Plan. I want to offer my heartfelt thanks and my full commitment to working with you to position Stevens to achieve its full potential in the coming years. I look forward to sharing updates with you this semester, and I invite you to contact my office with questions and suggestions.

Sincerely,

Nariman Farvardin
President, Stevens Institute of Technology
PresidentFarvardin@stevens.edu
201-216-5213
Stevens Institute of Technology continued to garner outstanding national rankings this spring, as two publications named it among the top schools in the country for engineering, computer programming and IT talent.

Wall Street & Technology named Stevens among the nation’s Top Technology Schools for computer programming and engineering graduates, while Insurance & Technology recognized the university for being among “the Top 11 Schools for Insurance Technology Talent.” These top rankings follow another outstanding Stevens ranking this spring, when Bloomberg Businessweek named Stevens 23rd in the country in its graduates’ Return On Investment (ROI), based on data reported by alumni from more than 850 nationwide colleges and universities. Stevens moved up in the ROI rankings, from 31st last year. Stevens’ 30-year net ROI is $862,500.

The Wall Street & Technology ranking, which appeared in the magazine’s June 5, 2012, issue, came from surveyed capital markets executives who “revealed their favorite schools for hiring computer programming and engineering graduates,” according to the business technology publication. Stevens was one of 11 schools on the list, including top-ranked Carnegie Mellon University and Massachusetts Institute of Technology, and was named an honorable mention along with the University of Pennsylvania and Brown University.

In the Insurance & Technology ranking, the magazine included Stevens among 11 schools in the nation that multiple insurance carriers rate as outstanding schools to tap for highly qualified IT talent. Insurance industry experts ranked Stevens among “the best sources for building the next-gen insurance IT workforce,” according to the magazine’s June 21, 2012, issue. The article included a description of Stevens’ programs and cited some notable highlights, including the university’s new strategic plan as well as the launch of two significant programs this spring: the Hanlon Financial Systems Lab, a state-of-the-art financial teaching and research facility that opened in April on campus, and the new master of science in business & analytics program.

Other schools named to Insurance & Technology’s Top 11 list were Clemson University, the University of Florida, the University of Wisconsin and Rensselaer Polytechnic Institute.

To read the three rankings stories in their original publications, visit http://www.stevens.edu/sit/about/stevens-received-major-accolades-three-national-media-rankings. ❖ —Beth Kissinger
Stevens receives NASA grant to study hurricanes and extreme weather in NYC

Two Stevens researchers in the Davidson Laboratory/Center for Maritime Systems (CMS), Laboratory director Dr. Alan Blumberg and researcher Dr. Philip Orton, have received a $226,000 National Aeronautics and Space Administration (NASA) grant to collaborate with NASA for an assessment of the risks of extreme weather events such as tropical storms and hurricanes to New York City — and, by extension, other low-elevation coastal cities.

The most recent Category 2-strength hurricane in the New York City area occurred in 1821. Given the probability of climate events, the city is likely “due” for another hurricane given that extreme weather events have increased in frequency in recent decades.

Blumberg said he was pleased to receive the grant.

“This will help bring together climate change scientists and engineers to work in a collaborative environment to understand the impacts of the climate change and sea level rise,” he said.

Stevens also hosted a major conference in late June on “Impacts of Extreme Climate Events on Urban Coasts.” Representatives from the urban coastal cities of Boston, New York, Philadelphia, and Norfolk, Va., joined scientists and engineers working on climate change issues to understand how best to deal with climate impacts that are likely to come in the future.

Large coastal cities such as New York City are especially vulnerable to large storms because they are in low-lying areas. The effects of winds, heavy flooding rains, and storm surges are factors that must be considered into any analysis, Blumberg explained.

Those cities also handle a great deal of transport commerce, operations that would be significantly affected by flood events, added Dr. Michael Bruno, dean of Stevens’ Charles V. Schaefer, Jr. School of Engineering & Science.

“Coastal cities are not only home to millions of people, but they represent the maritime trade centers through which the vast majority of the goods we buy and use are transported,” Bruno said. “This research helps us to quantify and convey in concrete terms the hazards of extreme weather and climate events, so that we can develop effective solutions to protect those areas.”

The Stevens researchers will take a novel approach toward calculating flood damage in the New York City area, modeling the combined effects of different storm surge sizes, rainfall rates and volumes, river flow conditions, atmospheric pressure conditions, and other variables. They will also draw on statistical hurricane models derived from historical Atlantic storm data, using the data to computer-model hundreds of “synthetic storms” of the types, sizes, and frequencies expected to have occurred during the past tens of thousands of years in the Manhattan area.

The work is part of a larger initiative to quantify flood risks to urban coastal populations and how these will change with sea level rise — then plan possible preventative actions. Toward that end, CMS researchers are currently collecting data and doing computer modeling to test proposed measures such as the redesign of landscapes and waterways that could protect the metro region from extreme flooding during hurricanes and hurricane-like events.

—Paul Karr

Tropical Storm Irene – formerly Hurricane Irene – makes landfall near New York City in August 2011. Photo: National Oceanic and Atmospheric Administration
Stevens design team is tops in ‘green’ airport innovation

A four-member Stevens engineering and design team took home first-place honors in the Federal Aviation Administration's (FAA) sixth annual Design Competition for Universities in June, joining The Ohio State University, Binghamton University-SUNY, and Embry-Riddle Aeronautical University as first-place winners among several hundred university entries nationwide.

Team members won a $2,500 prize for their winning entry and received their first-prize award at the Airport Consultants Council/FAA/TSA Summer Series Workshop in Washington, D.C., in mid-July. The Stevens undergraduate team took top honors in the competition’s “environmental interactions” category.

“The fact that our team placed first among 207 submissions from graduate and undergraduate students nationwide is a testament to the caliber of students we attract to our program,” said Eirik Hole, a faculty member with Stevens’ School of Systems and Enterprises who served as the team’s adviser. “It’s very satisfying to see that the students are able to integrate the breadth of methods and tools they’ve learned at Stevens and take a systems approach to create an innovative design proposal to a real-world problem.”

The contest involves creation of design solutions in one of four technical areas related to airport operations and management. The Stevens team, composed of Class of 2012 members Bradford Antes, James Clague, Steven Koch and Daniel Nuzzetti from the Engineering Management Program, submitted a winning proposal to significantly reduce toxic emissions at airports — emissions that degrade local air and water quality and may affect the health of residents and wildlife living near airports. They proposed to do so with a “Green Gates” design and protocol.

“Green Gates” is a cost-effective, lower-emissions approach to supply the aircrafts with electrical power and conditioned air while they are being serviced at the gate. As an alternative to running aircraft auxiliary power units (APUs) or tying aircraft to power grids, the Stevens team’s entry recommended installation of five central natural gas-powered turbine generators to a typical airport terminal as power sources (one is intended to remain offline as a backup generator) to power mobile preconditioned air units (PCAs) and ground power units (GPUs), one each per gate, to supply aircraft at the gates. (Stevens used Newark Liberty International Airport’s Terminal B as the example for its calculations and presentations.)

The team also made specific recommendations about the timing of power delivery, pushback, taxiing, engine use and other flight operation events such as the closing of aircraft “gasper vents” above passenger seats.

“Based on evaluations using industry standard calculations,” notes the Stevens entry, “the system is expected to reduce Newark Airport’s carbon emissions by 63% and... NOx emissions by 94% annually, while saving over $2 million in energy and project costs each year” when compared with that airport’s current use of APUs.

The Stevens entry does caution that the introduction of natural gas-fueled generators to gate areas would pose additional safety risks that would require careful training of airport personnel and continual maintenance of both the equipment and the “apron” area between a terminal and parked aircraft.

The competition’s rules required teams to contact airport operators and industry experts for advice and assessments during the course of creating their designs. The Stevens team worked with the Port Authority of New York & New Jersey, both at Newark Airport’s Terminal B and the PA’s Office of Environmental & Energy Programs in New York. Stevens faculty and staff also contributed expertise and advice, as did a major corporate manufacturer of aircraft-charging technology.

A panel of FAA, industry and academic experts selected the four winning proposals. —Paul Karr
Dr. Suzanne D’Addio ’07, a researcher from Princeton University, has been awarded a 2012 Endeavour Research Fellowship to conduct postdoctoral research in Australia. She is being hosted at the University of Queensland from now until Dec. 20, 2012, by Professor Matthew Trau, an expert in the field of nanoscale biosensors for the detection of biomarkers.

D’Addio’s research focus is on particle engineering, specifically with applications toward targeted delivery of nanoparticles to the lungs for the treatment of tuberculosis (TB). The new drug delivery system she has worked on helps promote co-localization of multiple anti-TB drugs with infected cells in the body and aims to deliver nanoparticles to the lungs using aerosol carriers.

TB is a disease caused by bacteria that are spread from person to person through the air. TB usually affects the lungs, but it can affect the brain, kidneys or spine. If not treated, it can lead to death.

“My first introduction to the special properties of nanoparticles and their manipulation came during my Senior Design work at Stevens, and I continued to build on that foundation through my dissertation work,” D’Addio said.

In Australia, D’Addio joined a team that aims to develop nanomachines, which are capable of accurate and sensitive detection of DNA sequences. These techniques are crucial in the improvement of health care programs, especially in treating diseases like TB, in which early detection dramatically reduces the length and cost of treatment.

“I am very excited for this next opportunity to continue to learn about and develop new technologies with the aim of improving health care,” D’Addio said.

She hopes to gain more experience in the biological aspects of nanoparticle drug delivery.

According to the Centers for Disease Control and Prevention (CDC), in 2010, 8.8 million people worldwide became sick with TB, with 11,182 cases reported in the United States alone. The CDC website says that one-third of the world’s population is infected with TB.

After receiving her B.E. at Stevens, D’Addio earned an M.A. in chemical engineering and a Ph.D. in chemical and materials engineering, both from Princeton.

—Lisa Torbic
A CHALLENGE CAN BE ONE OF LIFE’S GREAT MOTIVATORS

Dr. Lawrence T. Babbio ’66, the Chairman of the Board of Trustees, issued a landmark challenge in Spring 2012 to help increase alumni participation. Chairman Babbio will match up to $1 million of alumni contributions to foster increased support to the University.

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 this year and double the impact of your gift.

For more information about the Chairman’s Challenge and your eligibility, please visit: stevens.edu/dev/challenge
The President’s Initiative for Excellence, Stevens President Nariman Farvardin’s signature $30 million fundraising effort to build faculty, student scholarship support, physical infrastructure, and public lecture programming, reported a successful first year on June 30, 2012, the close of the 2011-2012 fiscal year. Stevens’ Office of Development announced that it raised more than $13.8 million toward the Initiative from alumni and friends during the effort’s inaugural year — nearly triple the previous year’s giving, and substantially more than the university’s stated $8 million fundraising goal for the period. That total included five gifts of $1 million or more.

“We are extremely pleased and very thankful for the alumni support that we have received for The President’s Initiative for Excellence,” said Ed Eichhorn ‘69, Stevens Vice President for Development. “Leadership gifts like these provide very positive and immediate impact on our community, and create a strong motivation for all of us to come together to support this important effort for Stevens.”

Of the more than 4,000 total contributions received in FY 2012 toward The President's Initiative, approximately $4 million was specifically given to fund scholarships — the University’s current greatest area of need, Eichhorn noted — while nearly $2 million was given to faculty development and approximately $1 million toward infrastructure and other capital projects.

Notably, giving during the Initiative’s kickoff year fell into a number of categories, accurately reflecting the diversity of President Farvardin’s four top funding priorities.

Gifts to more than 225 funds and purposes university-wide ranged from a $2 million-plus pledge from David Farber ’56 to fund a new faculty chair in computer science (see page 30) to a substantial gift for athletics infrastructure and improvements from Vice President of Facilities and Community Relations Hank Dobbelaar. The gifts also funded a number of newly created scholarships that will enable Stevens to attract and retain increasing numbers of the highest-caliber students, both nationally and globally, and included a $1 million commitment from Stevens Board of Trustees Chairman Larry Babbio ’66 that encourages and rewards greater giving participation from targeted groups of alumni.

In addition, $50,000 was raised to fund the President’s Lecture Series, which will begin presenting public talks on the Stevens campus during the 2012-2013 academic year. Many smaller gifts toward specific programs and purposes were received, as well, to diverse recipients such as the Stevens Dramatic Society and important projects including a “green energy” review of campus operations.

Larry Babbio’s contribution was notable for its creativity, taking the form of a “Chairman’s Challenge” during which Babbio will match certain contributions to the Initiative through June 2014 one-to-one with his own funds — doubling the impact of those gifts instantly. Eligible contributions must come from alumni falling into one of several categories: graduate school alumni; alumni who have never contributed to Stevens; undergraduate alumni who have not contributed to Stevens since July 1, 2010; and alumni who graduated during the past 10 years, also known as G.O.L.D. alumni. (Minimum gifts eligible for matching are $50 for G.O.L.D. alumni, and $100 for all others.)

Newly established scholarships during the first year of The President’s Initiative to assist student financial need include the A. Joseph Schneider Term Scholarship Fund, the Janet and Richard Magee ’63 Endowed Scholarship, the John G. and Beverly A. Puente Endowed Scholarship, the Karen and Frederick Unfried ’65 Endowed and Term Scholarship Funds, the American Bureau of Shipping Term Scholarship Fund and the Lloyd’s Register Educational Trust Term Scholarship Fund.
Tom O’Connor knows he’s making history, from 105 floors above Manhattan to deep into the earth, on this hallowed ground that once held the Twin Towers.

On a perfect July morning, O’Connor ’80, M.Eng. ’82, and colleague Jason Tirri ’00 offered a tour of their job of a lifetime — the reconstruction of the World Trade Center site.

O’Connor, a 27-year veteran of the Port Authority of New York and New Jersey, is Assistant Director of the PA’s World Trade Center Construction Department. Tirri works as a program manager with the Louis Berger Group, a major contractor that provides program management services.

O’Connor is the man on the ground responsible for the site’s five major projects, the 105-floor One World Trade Center its crowning jewel and the National 9/11 Memorial Plaza and Museum its soul.

It’s an enormous job, with up to 3,500 workers from 60 unions on site daily and the world watching. But O’Connor, a married father of three from Rockaway Beach in Queens, N.Y., who’s funny, talkative, thoughtful, and Tirri, who lives with his wife and toddler daughter in Hoboken and is quieter and more serious, have endured challenging callings before.

Looking down from One WTC’s 64th floor toward the future transportation hub, O’Connor recalls the 18-hour days he worked to reopen the PATH after the 9/11 terrorist attack. Reminders are everywhere. O’Connor worked at Ground Zero starting on Sept. 13, 2001, and has been the PA’s lead on reconstruction ever since. He rescued people after the ’93 bombing and also led that reconstruction. Many of his colleagues who worked alongside him during the ’93 reconstruction died on 9/11.

During the 9/11 recovery, O’Connor arrived at Ground Zero by 4 a.m. and worked until 10 p.m. — seven days a week.

“I spent everything on that, I gave it my all,” he says.

Around Christmas 2001, O’Connor took a break from Ground Zero. Soon, he returned.

“I don’t know why I came back,” O’Connor says, pausing.

“Yes I do. I came back — I’m an American. I’m a patriot.”

He also knew that the chance to work on such a challenging job happens once in a lifetime.

“Read the books. The Hoover Dam, the Brooklyn Bridge — the World Trade Center is right up there,” he says.

This July 9, 2012, tour included several floors of One WTC, the ground-level construction near the Memorial Plaza and the Museum. The museum is underground and will display artifacts and the very few remains of the original Trade Center.
“Being part of such an historic project with so much global significance has truly been an honor.” —Jason Tirri ’00

Tirri has spent three years working at the site for Berger and also worked on the 9/11 clean-up from 2001 to 2005 with Tishman Construction, which built the Twin Towers.

“Being part of such an historic project with so much global significance has truly been an honor,” he says.

Tirri credits O’Connor for the Memorial Plaza opening in time for the 10th anniversary of 9/11.

“Tom was the driving force in getting the Memorial Plaza open on Sept. 11,” he says. “He delivered on that.”

People flow through the Memorial Plaza, an 8-acre park with scattered oak trees that will become a small forest. Two giant reflecting pools rest on the footprints of where the Twin Towers stood. Water flows constantly as people pray among the 2,981 names of those who died here on 9/11 and on Feb. 26, 1993, all inscribed in bronze.

“That’s why we’re here,” O’Connor says of the Memorial. “People fought for that.”

O’Connor can point toward many accomplishments. The Memorial is open. They’re seeing real progress on One WTC and expect to complete construction by 2013. The major projects right now are the transportation hub, which will serve more than 100,000 commuters daily, and the Vehicle Security Center, the police and security screening area for vehicles. O’Connor is also leading the new expansion of Greenwich Street and Fulton Street through the WTC site.

Erecting One WTC’s antenna is full of challenges, O’Connor says; his team is still planning exactly how they will do it. The 408-ft. antenna will be brought by barge from Canada and will allow the tower to reach 1,776 feet, making it the world’s third tallest building. To erect the antenna, O’Connor’s team may build platforms off of the building to set the cranes on.

O’Connor and Tirri lead the way toward One WTC’s concrete building core, constructed to help the tower withstand an airplane’s impact. Lessons learned on 9/11 are included in this design, including wider stairwells and landings at the core, increased sprinkler systems that are buried behind concrete and pressurized stairs to combat smoky conditions. A separate stairwell has been built solely for emergency responders.

“We have good survivability,” O’Connor says.

The Museum is the tour’s last stop. Upon entering, two “tridents”—two huge steel structures from the original Trade Center—are visible. The entrance also includes the “Survivor’s Staircase,” the staircase leading to Vesey Street that was a pathway to safety for so many on 9/11. This day, it is shrouded in a protective covering, as are all of the artifacts, among them a fire truck, a smashed taxi and the last steel beam removed from Ground Zero, carrying messages from rescue and recovery workers. Here also is the St. Peter’s Cross, twisted beams in the shape of a cross that workers found in the debris. O’Connor helped recover this and other WTC artifacts.
Here are highlights of the World Trade Center reconstruction project, a 16-acre site which will include:

❖ Five new office towers including One World Trade Center, which will rise 1,776 feet and is now the tallest building in New York City. Upon completion, One WTC will house approximately 3.5 million-square-feet of space, including offices, an observation deck, parking and retail.

❖ The National September 11 Memorial & Museum. The Memorial opened on Sept. 11, 2011.

❖ World Trade Center Transportation Hub, which will include 13 subway lines and the PATH train and accommodate more than 100,000 daily commuters

❖ A performing arts center

❖ The state-of-the-art Vehicle Security Center, with security screening for all vehicles entering the Trade Center

❖ New expansion of Greenwich and Fulton streets through the site

Source: Port Authority of New York & New Jersey
The museum’s completion date is unclear during a July 2012 visit, as funding issues are unresolved. This quiet space will be a place of reflection and remembrance. Corridors will display nearly 3,000 images of the victims as loved ones share their oral histories.

O’Connor and Tirri have their own 9/11 stories. O’Connor had a meeting that day in the North Tower. But the babysitter was on vacation and his wife needed a day in the office at the World Financial Center. So he stayed home.

Walking his youngest son to preschool, he saw the Towers burning. His wife left a message on their answering machine, telling him that something was happening at the Trade Center, then her voice cut off. He worried like crazy until she made it home around 5 p.m., covered in gray dust.

Tirri was working at Tishman in Midtown when he learned of the attacks. He and his co-workers scrambled to find the plans for the Trade Center, to get a sense of which floors were affected. As they searched, the first Tower fell.

These days, O’Connor, after years of personal sacrifices to work the Trade Center site, is usually home by about 5 p.m. His Blackberry is always with him.

O’Connor announces with a big smile that his daughter Rebecca will attend Stevens in the fall to study biomedical engineering. Both he and Tirri praised their Stevens education.

“If it wasn’t for Stevens, I wouldn’t be here,” O’Connor says.

When asked why they love their job, Tirri mentions the dynamic nature of construction and development work.

“The fact that we do it in New York City, in one of the most complex and intense atmospheres, only adds to the excitement,” he says.

O’Connor makes it a point to “walk the job” every day and has engineering in his blood, like his mechanical engineer father. But his perspective has changed.

“After two terrorist attacks at the World Trade Center, I love the end of the work day, just so I can go home to my wife and kids,” he says.
Through June 30, 2012, alumni and friends contributed a total of $13.8 million in gifts and pledges to Stevens. Of the total amount raised, $4.1 million was in the form of student scholarships, $1.9 million in endowed chairs and professorships, $1 million in support of infrastructure, and $50,000 to kick off the President’s Distinguished Lecture Series. In addition, nearly $2 million was contributed toward unrestricted funds, used largely for student scholarships. On behalf of all the students, faculty, and the campus community who benefit from your contributions, thank you. With your active participation and support, we will build on this success to complete the President’s Initiative for Excellence and plan for a bold and ambitious capital campaign to achieve the very ambitious goals articulated in our 10-year Strategic Plan, The Future. Ours to Create.

Please visit us online:
www.stevens.edu/dev/president
Brad Schreck is the president and CEO of VectraCor, a medical device company for cardiovascular solutions based in Totowa, N.J. David, a physician for more than 30 years, serves as the company’s Chief Medical Officer and comes into the office a few days a week. David also serves as chairman of the Department of Emergency Medicine at Summit Medical Group in Berkeley Heights, N.J.

VectraCor has created the VectraplexECG System with VectraplexAMI, the only stand-alone cardiac monitor/ECG (electrocardiogram) machine with a Cardiac Electrical Biomarker (CEB) that allows for real-time detection of ECG changes that may indicate an acute myocardial infarction (AMI), another word for a heart attack, and can derive a 15-lead ECG with only 5 electrodes placed on a patient. In November 2011, the device received FDA approval, a process that took about two years from start to finish, and in December 2011 received CE mark approval for the detection of AMI and the derivation of the 22-lead ECG. The CE mark means its compliance with European Union legislation and, therefore, can be sold within the EU.

As an emergency medicine specialist, David said that he’s seen more than his fair share of cardiac patients. According to the Centers for Disease Control and Prevention (CDC), cardiovascular disease is the No. 1 killer in the world. David explained that typically, when a patient comes into an ER with chest pains, 10 electrodes are attached to the body to acquire the measured 12-lead ECG reading. The 10 electrodes are placed on key areas on the chest, arms and legs. Blood is drawn to measure serum cardiac markers to detect the development of an AMI, and results can take up to an hour. The blood is drawn every three to six hours during a 24-hour period to check for an increase in the serum cardiac markers.

The process is tough on the patient, David said. “Patients don’t want to be attached to the electrodes and they don’t want their blood drawn every few hours,” he said. “It’s scary, and they just want to get out of there. If they can get faster treatment, then we can possibly save the heart and the heart muscle.”

The VectraplexECG machine uses five electrodes, strategically placed on a subset of where they are currently placed on the chest, arms and legs. Fewer elec-
trodes mean a lesser chance of placing the electrodes incorrectly on the body, both Schrecks said. The VectraplexECG machine provides for real-time, continuous non-invasive detection of ECG changes suggestive of an AMI, derives 15-22 ECG leads, plus heart rate and rhythm monitoring, and data can be emailed to a physician for interpretation.

Using the VectraplexECG “makes placing the electrodes on a patient much easier, more cost-effective and potentially reduces placement error, thus saving more lives,” David continued.

Brad has built a career in the biomedical product development industry for the past 30 years, releasing more than 150 medical products and both brothers have patents for many devices not associated with this technology. Before deciding to start his own company, he wanted to know how viable a business like this could be. So, he talked to David to make sure the idea for the product was a good one.

“(As a company), we asked ourselves, ‘Do we need 12-lead vectors or is there a minimal set number that will do the job just as effectively?’” David said. When David first started researching and testing their technology theory, the feedback was positive and soon they discovered that the five electrodes can deliver as good an ECG reading as the more traditional 10 electrodes, he said. That was more than three years ago and they knew they hit on a winning idea, one that would make a doctor’s job easier and one that could potentially save lives.

The FDA-approval process was grueling, Brad said, with a lot of back and forth between the company and the government agency, but he understands that it was a necessary part of the device getting to market. And with the 510(k) approval (the official stamp of approval from the FDA for medical devices), the company has now begun the marketing activities to steadily increase its client base, with some hospitals and individual physicians purchasing the VectraplexECG System for their use.

But the two really see this device as the stepping stone to future products in the medical world. When Brad and David recently sat down with The Stevens Indicator, they were preparing to submit 510(k) paperwork to the FDA in August 2012 for the Vectraplex Mobile System (Holter), an ambulatory cardiac monitor that incorporates an ECG amplifier and a cell module using Verizon Wireless service.

The Vectraplex Mobile System, which can fit in one’s hand, can be worn near the hip, similar to a cell phone. A patient can be anywhere on the Verizon Wireless network and the Holter will automatically send an email over the network to a physician, alerting the doctor if the patient is having ECG changes suggestive of an AMI. The physician can also review the derived 15-22 lead ECG results. The Holter allows the patient the freedom to be at home, at a ballgame or even in the hospital while wearing the device, but allowing the physician to view the medical data in an instant, Brad said. The two think the technology can also be used in devices to monitor stress test systems, pacemakers and portable ultrasound machines.

“I see this being used in any acute care or ambulatory situation such as ERs, hospital settings, operating rooms, rehab centers, nursing homes, urgent care centers, physician offices and home care settings,” Brad said, adding that VectraCor has two patents issued worldwide for this technology.

Both brothers are proud of their Stevens education and say it certainly aided them in their careers.

“For me, the Stevens experience cannot be duplicated. The opportunities I received because of my Stevens background could not be overlooked. I got to work in my own lab (while a student) and I was exposed to so many mentors in my field. The exposure to UPTAM (Undergraduate Projects in Technology and Medicine) alone was priceless,” David said, who, besides being a Delt, was a member of Gear & Triangle.

Brad was equally proud of his experiences at Castle Point, which included playing basketball and participating in the UPTAM research program.

“Stevens taught me how to get organized and that’s helped me throughout my career,” he said.

Even their company’s name conveys their work’s passion: Vectra is derived from vector, which means a direction something follows, and Cor is a play on two words—the word corporation and also cor, the Latin word for heart.

“I guess we’ll have to come up with a new company name if we get approval for the other products,” David joked.
Alumni Weekend is a record-breaker

LARGEST TURNOUT IN THE REUNION WEEKEND’S 92-YEAR HISTORY

BY BETH KISSINGER, EDITOR

Alumni Weekend 2012 was, simply, a smashing success, with more than 700 people returning to campus for the best-attended reunion weekend in the event’s 92-year history.

From six classmates from 1942 who celebrated their 70th reunion, to the strong showing from the 2000s, all enjoyed new events—and many familiar favorites—this past June. While much was new, the heart of the weekend—friendship—remained unchanged.

John Lupi and his ’62 classmates rekindled friendships during a three-hour cruise along a choppy Hudson River—one of several 50th reunion gatherings over the weekend.

Some bonds are forever, like with Lupi and classmate Hans Kurzik. Linde Co. sent Lupi on assignment to Alabama in the mid-’60s, but his pregnant wife, Brenda, stayed behind in Tonawanda, N.Y. He could only come home every other weekend, so he depended on Hans, his friend and co-worker, to look after Brenda and take her to the doctor. Lupi was there when it counted—two days after he came home for a visit, John, Jr., was born.

This June, reunion classes ending in “2” or “7” returned to Stevens, with the golden anniversary Class of ’62 claiming the largest class turnout and every decade being represented.

Nariman Farvardin attended his first official Alumni Weekend as Stevens’ president and delivered a well-received “State of Stevens” address. (See accompanying story on p.22.) And the Stevens Alumni Association presented awards for outstanding service to the SAA and Stevens. George Johnston ’72 received the Stevens Alumni Award, and the following alumni received the Harold R. Fee ’20 Alumni Achievement Award: Gerald Messina ’87, Florence Vieu ’92, David Tanzi ’97, Elizabeth “Biz” Metzger ’02 and David Velasco ’07.

New to Alumni Weekend this year were a Friday night cocktail party under a big tent on Palmer Lawn; an outdoor alumni barbecue; tours of Stevens’ new Financial Systems Center; and a revamped Alumni Dinner Dance at a new location: the Hyatt Regency in Jersey City.

The Stevens Technical Enrichment Program (STEP) and Cooperative Education also held reunions. Inside Jacobus Lounge, some 30 STEP alumni laughed at old photo albums and savored long conversations while their kids played with Legos and fuse ball and colored pictures. STEP welcomed alumni from the ’80s to the 2000s, from as far as Texas, as excitement builds for its 45th reunion next fall.

Rachel Jenkins ’80 came back last year for the annual STEP Thanksgiving Dinner and talent show, and returns as often as she can. She’s a veteran of both STEP and the Bridge program—a pre-freshman summer program.

“During Bridge, you do a lot of growing up together,” she said. “These are things that build those bonds.”

Checking out his old dorm, Hayden Hall, Paul Porzio ’77, marking his 35th reunion, found himself transported back to Stevens Tech, mid-1970s.

“When you’re alone on campus, you can’t help but have some bad memories come back—romances that aren’t anymore, memories that you’d rather not find but can’t escape,” he says. “An empty dorm room is where you’ll find it.”

But then Porzio remembered that it was in that same dorm room—while looking toward New York City—where he first heard Bruce Springsteen’s “Jungleland.”

“It was a cathartic experience,” he says. “It brought me to tears.”

Porzio was a DJ with WCPR during his Stevens days and now hosts the syndicated “Eclectic Hours,” on Radio Fairfax, a public access radio station in Fairfax, Va. During Alumni Weekend, he recorded his show—“music for baby boomers and enlightened Gen Xers”—live from WCPR’s Jacobus Hall studios.
1 Phil Kimball ’62 traveled from New Hampshire to Stevens for his 50th reunion. 2 Members of the Class of ’62 hold their banner during a get-together in the Babbio Center atrium prior to the Alumni Dinner Dance. 3 Dozens of alumni returned to Alumni Weekend to celebrate another Cooperative Education reunion. From left, Cat Rooney, M.S. ’91, director of Co-op and Intern Projects, shares some laughs with Tina Harwani ’02, Barbara Carames ’03 and Tuyet-Hanh Nguyen Schnell ’91. 4 Dozens of alumni turned out for the beer seminar, led by Dave Manhas ’88. The beer seminar is always a popular event at Alumni Weekend.
Nariman Farvardin presented his first “State of Stevens” address in June.

STATE OF STEVENS ADDRESS RECEIVES HIGH MARKS
BY LISA TORBIC, ASSOCIATE EDITOR

Stevens President Nariman Farvardin began his first “State of Stevens” address, given during Alumni Weekend, by telling alumni, family and friends what he was told by the university’s presidential search committee in 2010.

The search process was on for a new president and Farvardin was told by the committee that they were looking for a “rainmaker,” an informal term used to describe someone who is known for achieving results in business. Farvardin said he didn’t want to disappoint anyone.

“In October, during my inauguration ceremony, there was torrential rain. In April, during the admitted students welcome event, we experienced horrendous rain. And just recently, during Commencement, we had a lot of rain. And who could forget Hurricane Irene last August and the rain that brought? Last night (during the first night of Alumni Weekend), we had some rain as well. So I’ve decided I don’t want to be a rainmaker anymore,” he said, as the crowd in DeBaun Auditorium chuckled at the memories of all the water in New Jersey of late.

In his address, which ran for more than an hour, Farvardin described many of the school’s positive developments in the past year, including the opening of the Hanlon Financial Systems Lab, the launch of the New Jersey Apps Challenge, Stevens’ entry in the Solar Decathlon competition and the rise of Stevens in Bloomberg Businessweek’s college return-on-investment ranking. He also discussed the recent celebration of 40 years of undergraduate women on campus.

“Not only are we doing well, but we are on an upward trajectory,” he said. He spoke about how alumni must remain engaged with their alma mater and work to support her whenever possible.

But he also brought alumni up to speed on the Consent Judgment Final Report, which is part of the 2010 settlement agreement between Stevens and the New Jersey Attorney General. The Final Report, issued earlier this year by Special Counsel James R. Zazzali, shows that Stevens is in full compliance with the terms of the Consent Judgment. Farvardin said the university is dedicated to “putting the past behind us and moving forward. The focus has to be on the future,” he said.

Alumni at the address seemed to appreciate Farvardin’s comments.

Dorothy Fugardi, who sat with her husband, Joseph ’52, described Farvardin’s words as “encouraging” for the future. She said she also liked the idea of a presidential address to alumni.

“It was a great speech and it was really inspiring,” said Leo Collins ’59.

One alumna liked Farvardin’s outline of his future plans for the school, which include more of a focus on students and scholarships.

“I felt it was a recipe for success. I liked his vision and his frankness about the consent judgment, quite honestly, was refreshing,” said Erin McKenna ’97, who came from Boston to celebrate her 15th reunion.
Five alumni received the Harold R. Fee '20 Alumni Achievement Award at the dinner dance during Alumni Weekend. In front row from left, Nariman Farvardin stands with Florence Viau '92; SAA President Mark LaRosa '93; David Tanzi '97, and Gerald Messina '87. In back from left, are Elizabeth "Biz" Metzger '02 and David Velasco '07.

The Class of '77 could claim some of the farthest travelers: Lucia Estrada De Rossi and husband, Alfredo De Rossi '77, who came from Colombia. The couple, who met during graduate school at Stevens, stayed in a dorm room and woke at dawn to watch the sun rise, absorbing as many memories as they could.

Among the Class of '62, and other reunion classes, the Stevens education was remembered as very tough—and a key to a good life. Juris Kaugerts '62 emigrated from Latvia in 1949 and would go on to also earn a Ph.D. in physics from Stevens in 1972 and work as a physicist with Princeton University and Brookhaven National Laboratory.

"It was a lot of studying," he said. "It was a good education."

Like some other '62ers, Doris and Bob Boey '62 will also celebrate their 50th wedding anniversary this year.

"He's just as charming as he was then," she says. "We couldn't help but fall in love.""We couldn't help but fall in love."

"I say that one of us has been very patient," he says with a smile. "I think that we are very fortunate that we share common interests."

He grew up in Hong Kong, she was a New Yorker, and their mothers were childhood friends. Bob and Doris met at her family's restaurant, when they were on break from college and he needed that summer job as a waiter because he needed to eat, he says with a laugh.

Stevens gave him a real sense of security as a foreign student, he said—and a great education. Boey went on to own his own company and industrial park in DeKalb, Ill., and the skills and discipline he learned at Stevens set a foundation for his success, he said.

"Stevens has been a marvelous contribution to my life," he said.
1 Children compete in the Lollipop Run.  

2 Hoveida and Nariman Farvardin prepare to enjoy themselves on the Class of ’62 boat ride, celebrating 50 years since commencement.  

3 These two winners from the Lollipop Run are eager to dig into their prize — a lollipop.  

4 About 30 Stevens Technical Enrichment Program (STEP) alumni and guests returned for a reunion during Alumni Weekend. Here, Marvin Mondesir ’05 checks out a STEP photo album. In September 2013, STEP will mark its 45th anniversary with a special celebration on campus.  

5 Beautiful weather, good food and the company of family and friends, what could be better on Alumni Weekend?
LONGTIME VOLUNTEER
GEORGE JOHNSTON RECEIVES ALUMNI AWARD
BY LISA TORBIC, ASSOCIATE EDITOR

When George Johnston ’72 received the Stevens Alumni Award during Alumni Weekend, he told the hundreds at the dinner dance how he came to be a student at Stevens in 1968.

Johnston’s dad worked two jobs repairing and selling Dodge automobiles to make ends meet for the family. The additional expense of college tuition, room and board (about $2,000 per semester —very big bucks in those days) would have been a significant burden for the family. But thanks to Stevens administrators, an alternative approach emerged. An excellent student, Johnston received several scholarships including one sponsored by General Motors, all necessary for him to complete his college education.

“The help from Stevens made such a difference to my family, which I still very much appreciate even to this day,” he said.

For his decades of outstanding service to Stevens and the Alumni Association, for his work on many Stevens fundraising committees, for writing the Class of ’72 logs, serving as the Class of ’72 secretary, being a former member of the Board of Trustees, and for his many other acts of volunteerism, Johnston was awarded the Stevens Alumni Award during Alumni Weekend in June.

Johnston is Vice President and Chief Patent Counsel at Hoffmann-La Roche, a premier global pharmaceutical firm, a company that he has been with since 1977. Throughout the years, he even has encouraged his employer to donate lab equipment to Stevens that has exceeded hundreds of thousands of dollars in value.

The reason why he continues to give back to Stevens is in part because of that kind of help from Stevens - that life-changing difference he received so early on, he said. As he took the microphone to begin his acceptance speech at this year’s Alumni Dinner Dance, he promised his words would be brief. “As an old Irish saying goes, ‘Stand up, speak up, then shut up,’” he mentioned with a twinkle in his eye.

In fact, many of Johnston’s friends said the brevity of his speech was reflective of how Johnston chooses to live his life: a behind-the-scenes guy who quietly does great things all for the greater good.

“George really is the ideal choice for the Alumni Award,” said his classmate and long-time friend Enrique Blanco. Blanco pointed out that although he and Johnston are both from the Class of ’72, he did not know Johnston as a student and only got acquainted when both began volunteering after graduation. “It was through our work at Stevens that we got to know each other and our friendship grew,” Blanco said.

“I’m so proud for him. He’s done an awful lot of good for Stevens and his classmates. It’s nice that such a generous man gets recognized,” said Bob Benoit ’72, who last came to a Stevens event years ago, but returned for his 40th reunion and to see his friend be honored.

In his speech, Johnston expressed his gratitude to Stevens, the Alumni Association, and the Awards Committee for honoring him. But he quickly pointed out that any recognition for him must also reflect the devotion and understanding of his wife, Maryann, who is not an alumna of Stevens, but has given so much of herself to the school through her support of him during their 39 years of marriage. In appreciation, the Alumni Association presented her with long-stem, red roses as one of their two daughters, Amy, a clinical oncologist, looked on.

Johnston told the dinner attendees about some of his volunteer work which benefitted Stevens, including his telethon work —or as he called it, “dialing for dollars.” He said he’s often asked why he gives so much of his time and resources to Stevens, and the answer for him is really simple.

“Why do I do it? I give back to get back,” he said. “It’s a great feeling to know you are actually helping deserving Stevens students through active volunteering efforts.”

And after the speech, a fellow Stevens alumnus approached Johnston, recalling that this man and his father bought Dodges from Johnston’s dad and fondly remembered him as a fair, honest, and caring man —not what one normally says about mechanics or car salesmen.
Mike Manzella '09 checks to see which members of his class have arrived for Alumni Weekend '12 at special check-in stations in Pierce. Marty Valerio '68 pours a glass of wine for attendees of the wine tasting seminar, led by Bruce Boylan '63. Class of '62 attendees and their guests prepare for their cruise along the Hudson River the first night of Alumni Weekend. Nariman Farvardin, center, shares a moment with some members of the Class of 1952 as they celebrate their 60th reunion this past Alumni Weekend. Attending a special luncheon for the Class of '42 were, front row from left, Steve Crandall, Joe Ayton and Herman Sachs; back row from left, Bob Klein and Warren Wells.
No slowing down Class of ’42 members

BY BETH KISSINGER, EDITOR

When speaking with Bob Klein ’42 from his home in Naples, Fla., it’s obvious — the man keeps moving. And that, he says, may be the reason he’s reached a spectacular milestone of 70 years since his graduation from Stevens.

So after his morning tennis game, he was on his way to a “Going Green” committee meeting to make sure his fellow retirement community residents do their part, from recycling to using LED lights, to protect the planet.

“I think it’s playing tennis every day,” he says (both singles and doubles, plus tournaments). The reason for his longevity may also be the variety of activities—from music to meaningful volunteer work and friendships—that fill his days.

Klein, 91, is one of 14 surviving classmates of the Class of ’42 who marked their 70th reunion during Alumni Weekend this past June. Remarkably, five other classmates attended at least one part of the weekend with Klein, whom they have called “the glue” that keeps their class together.

Klein is the longtime class secretary of the Class of ’42 whose engaging class logs help keep classmates in touch. He’s helped to organize the class’s “mini reunions” in Florida as well as reunions at Stevens that have strengthened their bonds of friendship over the decades.

For Alumni Weekend 2012, Klein returned to Stevens along with the following classmates: Joe Ayton, Steve Crandall, Pat Rochford, Herman Sachs and Warren Wells.

The Class of ’42 is an incredible bunch, from Rochford, who still works as a school crossing guard in Dumont, N.J., to Wells, who is active with his family members and in his retirement community, to Crandall, an emeritus professor of mechanical engineering at MIT who still goes to the office.

Klein, a manufacturing executive who retired as director and secretary of Morris Cablevision, finds 70 years since graduation somewhat hard to fathom.

Classmate Steve Crandall also finds it hard to believe that seven decades have passed since their undergraduate days.

“But the campus sure has changed since those days,” he says. “I used to walk from the Hoboken Terminal to the ‘A’ Building every day and it was a scary walk.” Crandall, who lives in Massachusetts, drove with his daughter Jane Kontrimas and grandson Stephen to attend the reunion.

As for Klein, this father of two and great-grandfather is once more on the move. He plans to again compete this September in national tennis tournaments in North Carolina and Massachusetts for those aged 90 or more; he beat the #3 nationally ranked player last year in North Carolina. And just days after Alumni Weekend ended, he was planning to play in a tournament in New Jersey. In his retirement community, where he lives with his wife, Barbara, he formed a committee, Residents in Caring, that makes sure residents watch out for one another, that no one is left to eat alone.

Klein sings in his church choir. A bass clarinet player for 40 years, he just finished his 22nd season with the Naples Concert Band.

Besides his active schedule, Klein also says that eating healthy—plus good genes have helped him make it into his 90s. So has some good luck.

He sees his time at Stevens so many years ago as good fortune.

“I really feel that what Stevens sets out to do is teach you to think, to handle any situation that crosses your desk,” he says. “I feel that’s what has happened to me, from investing to fixing my wife’s broken shoe.”
A world of information is at our fingertips—but we feel less informed than ever. But there’s a way to break through and make the most of this “fire hose” of data, according to two alumni authors.

Authors and business development and marketing experts Paul Magnone ’88, M.S. ’93, and Christopher Frank ’89, M.S. ’93, shared their insights to help everyone—from CEOs to students—sift through the information barrage and make sound business decisions at a lecture during Alumni Weekend. Longtime Stevens friends, Magnone and Frank named the lecture “Drinking from the Fire Hose,” after their book, Drinking from the Fire Hose: Making Smarter Decisions Without Drowning in Information (Portfolio Penguin), which they co-wrote and published last year.

Their well-attended lecture inside the Babbio Center’s Altorfer Auditorium featured lively lessons from their book, as this seasoned pair has spoken at Microsoft, Columbia University, MTV and at Stevens’ Heath Lecture series, among many other places. Their book pulls together what they’ve learned on the job, with Frank serving as vice president of business-to-business communications research at American Express, and Magnone as director of global business development and alliances at Openet, a telecommunications software and consulting firm.

The information barrage is a universal challenge, they said.

“Ninety percent of all the data in the world was created in the last two years,” Magnone said. “We’re going to try to tell you how to embrace it.”

One first and essential question to ask when examining data: Is it true?

Sprinkling in fun quotes and videos, they did a number of interactive exercises with their audience, including a survey that the audience completed, via texting, in real time. The question, “What’s the biggest skill gap around making smarter decisions?” had four different choices: discovery of information, interpretation of information, delivery of information and decision making about the information. Interpretation and decision making easily grabbed the top votes.

Frank and Magnone offered several tools that they use every day to make smarter decisions when faced with a deluge of data. Frank urged everyone to question what they want to accomplish with the data they have.

“The first question that I ask my team: Do you want to inform or compel?” Frank said. “The most powerful tool that you can add to the tool kit is asking questions”—a skill that he said Stevens taught him well.

Another tool: Power can come from the ability to interrogate issues. Always ask your clients or colleagues: What surprised you? This question, they said, can open an honest dialogue.

They also urged their audience to never ignore “the middle” or clients or constituents who are neutral. Often, companies and organizations tend to worry about the people who are satisfied, Frank said.

“We tend to focus on the things we know,” Magnone said. “We’re in our comfort zone.”

Finally, they encouraged their audience to understand their own ability to influence decisions.

John Fitzpatrick ’84 was so enthusiastic about Frank’s and Magnone’s talk that he was sharing their ideas during the lecture on Twitter.

“It’s common sense ideas that we need to re-remember,” he said. “I was pleased with the presentation. They have this down.”
Every great University needs a solid foundation of volunteer support.

Over the years, Stevens has been fortunate to have a loyal corps of alumni willing to give of their time, talent and resources to advance their alma mater. We’re asking for your help to reunite and reconnect with other alumni who are passionate about their alma mater.

Help us strengthen Stevens’ community today. Visit www.stevens.edu/volunteer to get the tools you need to make a difference.

Thank you in advance for your support.

EDWARD EICHHORN ’69
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Only one man, however, answers worldwide to the moniker “Grandfather of the Internet.” And he, too, graduated from Stevens.

Now David Farber ’56, M.S. ’61, is giving back in dramatic fashion through a donation of a new faculty chair in Stevens’ Computer Science Department, a gift which ensures that future Stevens students will create computing breakthroughs.

Farber, now living in the Philadelphia area, grew up in northern New Jersey and chose Stevens for its engineering programs. “My father and I used to go into [New York] City often to buy electronics parts and build AM radios and other things,” he recalls of his youth. “That’s really where my interest in technology began.”

At Stevens, he studied electrical engineering and mathematics, taking a fateful summer internship in Washington, D.C., before senior year began. “I was working with the fellow who built the first transistorized analog computer,” says Farber. “It was a phenomenal opportunity.”

After graduating in 1956, Farber was recruited to join Bell Labs, where his projects over the next decade included helping to design the world’s first electronic switching system for telephone switchboards and work as an author of SNOBOL, an early computer programming language still in use. Farber went on to work for the RAND Corporation, Scientific Data Systems, and Xerox Data Systems before joining the University of California at Irvine as a faculty member in 1970.

That stint was the beginning of a decades-long journey through academia that would take him to the University of Delaware, the University of Pennsylvania, and Carnegie Mellon University.

Around 1971 at UC Irvine, Farber and several colleagues hit on the idea of the distributed computer system (DCS): multiple microcomputers running software and sharing data and software with one another remotely, using pioneering “token ring” technology — an early forerunner of present-day cloud computing. At Delaware, then a major center of U.S. computing research, he and a team created CSNet and NSFNet, two networks that connected computer science and other university science departments nationwide for the first time.

The idea took off, and NSFNet’s infrastructure would soon form both the methodology for, and original physical backbone of, what we now know as the Internet.
More recently, Farber has turned from technical design to teaching, research, and advisement. At Penn, he held the Alfred Fitler Moore Professor of Telecommunications while also holding joint appointments with the prestigious Wharton School of Business and the Annenberg School for Communication and directing the university's research in high-speed networking. As current Distinguished Career Professor of Computer Science and Public Policy at Carnegie Mellon's School of Computer Science, he also holds appointments in public policy and engineering.

He also advises U.S. Presidents, the National Research Council, the National Science Foundation, and the Federal Communications Commission (FCC) on issues like security, bandwidth, and privacy.

And he has made a considerable impact at Stevens, where he received an honorary doctorate in 1999 and serves as a member emeritus of the Board of Trustees. Farber and his wife created the David & GG Farber Societal Impact Award in 2003, a prize annually conferred upon a Stevens graduating senior. In June 2012, Farber doubled the amount of funding available for the award with a second $50,000 contribution.

This September, Stevens announced a much larger gift from Farber: a $2 million-plus commitment to establish and fund a faculty chair for Stevens' growing Department of Computer Science, a chair named for Farber and his wife, who died in 2010. Farber will give $100,000 annually to create and fund the chair, and eventually convert his gift to an endowment that perpetuates the chair indefinitely.

“Two things are important to the Institute and the School of Engineering and Science for several reasons,” said Michael Bruno, dean of the Charles V. Schaefer, Jr. School of Engineering & Science. “It will provide the funding to recruit and support a world leader to enhance and expand the leading-edge research and education in our Department of Computer Science. It also affirms the confidence of Dr. Farber—one of the global leaders in the field—that Stevens can and will be a key player in working at the intersection of computer science and society.”

The gift is part of The President’s Initiative for Excellence, Stevens President Nariman Farvardin’s $30 million fundraising initiative to enhance scholarship support, faculty development and infrastructure improvement, and develop a public lecture series at Stevens.

“I had been thinking about this gift for a while,” explains Farber, who will assist in the selection of the chair. “After President Farvardin began here at Stevens, it seemed like the opportune time to do it.

“Now Stevens’ CS department can become a leader both in computer science education and in the examination of the societal impacts of what we do.”

“I was working with the fellow who built the first transistorized analog computer.” —David Farber ’56
Commencement as president of Stevens and soon after the ceremony began, he offered some words to all attendees.

“Graduates, we are here in this magnificent gathering only for one reason: to celebrate your success,” Farvardin said. “Today is truly your day. For all that you have achieved, we congratulate you and wish you the best as you commence the next phase of your journey in life.”

The Commencement speaker, Greg Gianforte ’83, M.S. ’83, began his speech by noting that his father, Frank Gianforte ’58, was in the audience, as Frank and about 15 members of the Stevens Old Guard—those who graduated at least 50 years or more ago from Stevens—marched in the procession in full cap and gown.

“I’d like to thank my dad, who was my most influential teacher,” Gianforte said, amid cheers. Greg Gianforte received an honorary doctor of engineering during the ceremony.

But a few moments after Gianforte began his speech, he was interrupted by lightning and thunder, and the ceremony had to be put on hold while the attendees sought shelter. Gianforte is the founder of RightNow Technologies, a cloud-based customer service and support solutions firm which he sold to Oracle for $1.5 billion, and also a serial entrepreneur in the computer networking and software industries. After an approximately 90 minute
delay, the ceremony picked up where it left off, with graduates from the Schaefer School of Engineering and Science and their guests filling every seat available inside Canavan Arena. To accommodate safely for the number of people attending, graduates and their guests from the College of Arts and Letters, the School of Systems and Enterprises and the Howe School of Technology Management waited slightly longer for a separate ceremony to restart in DeBaun Auditorium.

Gianforte delivered his speech at both venues. At Canavan, he continued outlining his three key advantages that Stevens provided him when he began his career—a strong work ethic, a real-world focus and a code of honor. “There really are no short cuts in life,” he cautioned the group. “Nothing could have prepared me better than Stevens’ broad-based, problem-solving curriculum,” he said. Gianforte also shared four lessons for leading a satisfied life. He encouraged the graduates to seek challenging work, to choose a career that requires them to use their skills, to understand and connect to the noble purpose of the work that they do, and to pick a career with the highest possible noble purpose. “Not all careers are created equal,” he said.

Gianforte warned the graduates that while their time in the classroom may be over, their time learning about things and themselves has not ended. “You may have thought that the lessons were over now that you have graduated, but they are really just starting,” he said.

An address by 2012 valedictorian Robert Williams followed Gianforte’s speech, which was similar in nature to Gianforte’s comments. (See a profile on Williams on page 36). Williams encouraged his classmates to decide what is truly important in life as soon as possible.

“There is one priority that I think works for all of us —our relationships,” Williams said. “The impact that we make on other people’s lives lasts for the long-term.”

Soon after Williams’ speech, the graduates filed on stage to receive their diplomas from the deans of each school. Cheers could be heard as names were called.

At the Senior Awards Dinner, held the night before commencement, the Class of 2012 was presented with their class banner. Tom Moschello, at left, the Stevens Alumni Association vice president, and Mark LaRosa, right, SAA president, shoulder members of the Class of 2012. They are, front row from left, Nick Barresi and Katie Moschel. Back row from left, D.J. Chapman, Larry Giannechini and Chris Sensor. Undergraduates from the Class of 2012 cheer and clap on graduation day. After all the hard work, she did it. Some of the newest members of the Class of 2012. Undergraduate commencement speaker Greg Gianforte ‘83, left, smiles for a picture with his father, Frank Gianforte ‘58, right, before the ceremony. Frank marched in the ceremony as a member of the Old Guard. During the ceremony, these two students let their emotions show on their faces. These new members of the Class of 2012 can’t contain their happiness after the ceremony. Greg Gianforte gives the Undergraduate Commencement Speech. During a rain delay, members of the Class of 2012 met with family and friends in Canavan Arena. These students smile for the cameras.
Speaker offers graduates the keys to success

BY BETH KISSINGER, EDITOR

After a stormy start to Commencement Day 2012, Stevens’ Graduate School ceremony featured three separate, more intimate gatherings indoors to celebrate the university’s 1,185 master’s degree and 47 Ph.D. graduates.

The late afternoon ceremonies that followed the rain-soaked undergraduate commencement were moved inside to three locations due to predicted rain showers. All Ph.D. candidates, Schaefer School of Engineering graduates and graduates of the Howe School’s Information Systems program celebrated inside Canavan Arena; the remaining Howe School graduates gathered in DeBaun Auditorium; and graduates of the School of Systems and Enterprises marked the occasion in the Burchard Building.

Inside Canavan Arena, family and friends filled virtually every seat and bleacher, creating a bustling atmosphere of multiple generations of families, young children bearing flowers and babies in strollers, all gathered to cheer on the graduates.

Dr. Jeong Kim, president of Bell Labs, received an honorary doctor of engineering degree and served as keynote speaker. This highly successful engineering entrepreneur—who leads one of the world’s foremost centers of research in communications technologies—spoke humbly about success, learning from others and following your gut.

Working hard is absolutely necessary

Salutatorian overcomes hurdles to graduation

BY LISA TORBIC, ASSOCIATE EDITOR

For Alejandra Guerra, who graduated this past May as the Class of 2012 salutatorian, being second in her class doesn’t mean second-best. For her, the honor showcases just how far she has come, both geographically and academically.

Barely a thousandth of a point separated Guerra’s near perfect GPA from that of valedictorian Rob Williams (see story on page 36). It was a down-to-the-wire moment between the two students in those final weeks before commencement.

“My parents were really surprised and extremely proud when they found out the possibility that I could be valedictorian because I’ve had to overcome a lot of different challenges,” Guerra said.

Indeed she has. Guerra came to the United States at age 11 from Colombia speaking only a few words of English. The family decided to leave the Spanish-speaking country for better opportunities for Alejandra and her older sister, and first settled in Levittown, N.Y. In her new school, not many other kids spoke Spanish, so in addition to adjusting to a new country, new school and new home, she was forced right from the beginning to...
but not the key to success, Kim told the graduates. More important is identifying what you really like to do and focusing on that. He advised asking: “What is my dream job?”

Honestly recognizing your strengths and weaknesses is also essential, Kim said. To the crowd’s delight, he revealed that his weakness is giving speeches. This much accomplished man acknowledged having many shortcomings, but these never stopped him from achieving accomplishments, he said. Seeking help from others when you need it, he said, is key.

“In real life, success is a team effort,” Kim said.

Stevens President Nariman Farvardin also offered some heartfelt advice to the graduates. He urged them to “think big, think bold, think about your responsibility to make the world a better place.” But he also told them to treasure the little things.

“Most of us miss out on the big prizes,” he said, so relish the little ones, from hot soup to a cold beer to an open parking space.

He also warned them that the road to success is paved with failures.

“Don’t let disappointment deter your determination to succeed,” he said. “Don’t let failure go to your heart or success to your head.”

He implored them to adhere to the highest ethical standards in all that they do.

“If you have high integrity, nothing else matters,” he said.

And he asked them to keep in touch with Stevens, whether they return to watch the sun rise over campus or to share their stories of success.

Georgiana Moraru is one of many graduates with inspiring success stories to tell. Two years ago, this international student from Romania spoke limited English but knew that she wanted to study in the New York City area. This day, she earned a master’s degree in computer science and is working as a software engineer with Moody’s.

“Two years ago, I had big dreams,” she says, and those dreams are coming true.

Nearby, Abraham Tejada’s family surrounded him, snapping photo after photo as they celebrated his success. This day, he received his master’s degree in information systems and has a bright future, as a senior IT Project manager with Verizon Wireless. The ceremony was made extra special by the presence of his mother, who traveled from the Dominican Republic.

Tejada praised his Stevens experience.

“The professors were good, the classes were good,” he said. “It was great.”

Jim Walsh ’69, M.S. ’71, managing principal of Walsh Advisors, LLC, and a member of the Stevens Board of Trustees, served as keynote speaker for the Howe School ceremony, and Nan Mattai, senior vice president, Engineering & Technology, with Rockwell Collins, was keynote speaker at the School of Systems and Enterprises ceremony.

learn English quickly to speak with her new friends, she said. A few years later, the family moved to East Rutherford, N.J., a small town about 10 miles from Stevens, where they still live.

Her father works as a parking attendant in New York City and her mother is a stay-at-home mom. She is the first person in her family to attend college, let alone graduate.

“(My parents) said they just expected me to do well and that’s it. They said even finishing second is a huge accomplishment,” Guerra said. “They are so proud of me.”

Growing up, math was just one of those things that always came easy to her and in which she excelled, she said. She was looking at several colleges when Stevens went the extra mile and showed her what makes this university so special.

The admissions team had a bilingual employee call her family and carefully explain in Spanish the complexities of the financial aid paperwork. “Stevens was the only university to do that,” she said. “It was so helpful to have someone explain how the financial aid package worked.”

Guerra, who graduated with her bachelor’s and master’s degrees in civil engineering, begins her career as a structural engineer at Burns & Roe, a power and energy company, in Oradell, NJ. She will be responsible for designing the structure of power plants.

“It’s going to be interesting,” she said. “I’m most looking forward to learning new things on the job. I’m entering a very challenging field, given the strict rules for power plants set by the government, so I think I’m going to get very good experience.”

She called graduation a “bittersweet moment” and really wants her classmates to remember their undergraduate years at Stevens.

For her, “The Senior Design project was my best Stevens experience,” she said. “I really learned a lot of different things.”

What does she like about Stevens?

“I like that I got to work independently a lot of times. My freshman year was a hard one—everything was a new experience. But it got easier.”
Valedictorian follows a different path

Volunteering is more than mere words for this graduate

A
fter four years at Stevens, Rob
Williams, the valedictorian of the
Class of 2012, said he knows what’s really
important in life.

“When I was younger, I wanted to get the
big career, move up the ladder, make lots of
money and get lots of power,” he said. “But
at Stevens, I realized that there are so many
better things to focus on. I saw the impor-
tance of getting your priorities straight early
on so you don’t waste your life on something
that isn’t fulfilling in the long term.”

Williams, who grew up in Woodbury
Heights, N.J., a small town in the southwes-
tern part of the state, has been practicing
what he preaches. While maintaining a near-
perfect GPA —3.98 —he continuously gave
back to the Stevens community and the
community of Hoboken through his volun-
teeering efforts. He belonged to the Stevens
Christian Fellowship and the Hoboken Grace
Community Church, a diverse, contempo-
rary church that seeks to serve the City of
Hoboken. Through HGCC, Williams worked
as a mentor with their TRUE Mentors pro-
gram, a one-on-one program designed to
match adults who can serve as role models
for children ages 7-17. Mentors pledge to
meet a minimum of eight hours monthly to
help make a difference in a mentee’s life.

BY LISA TORBIC, ASSOCIATE EDITOR
In his valedictorian speech at commencement to classmates, family, administrators and friends, he spoke of life’s priorities.

“I can’t tell you what your priorities are. That’s up to you,” he said to a packed audience in Canavan Arena. “Ask yourself: ‘Do your current priorities make sense for the long run?’”

“I can tell you that materialism doesn’t matter. It’s a selfish gain. Experiences are better than things,” he said.

Williams’ inspiring words are part of his fabric. A month after graduation, he’s scheduled to teach computer science classes in Cambodia for more than three weeks. The volunteer mission is part of UBELONG, a social venture organization founded in 2009 that aims to promote lifelong civic engagement. Williams said he found the organization on the Internet.

Williams has long been interested in experiences, but he didn’t let his activism get in the way of his studies. Always a good student with computers and technology, he graduated with a B.S. and M.S. in computer science. “I knew in high school that computers were the clear path for me,” he said.

Giving back is something else that he knows. He began his involvement with the Stevens Christian Fellowship in the fall of his sophomore year. “I went to a dinner (they sponsored) and I really liked the message they told, that you have to have priorities in life,” he said.

After his Cambodian trip ends, he begins work as a software engineer for Netsoft USA, a technology and design firm in Manhattan. Throughout his four years at Stevens, he’s worked for some pretty big companies: software development intern at Skarven Enterprises, a Boeing company; a technology analyst with Goldman Sachs in New York, and an internship at Amazon.com in Seattle, Wash. One of his lifelong dreams was to work and live in Seattle, Wash., New York City and Chicago. Through his summer work experiences, he said he’s already crossed two of those cities off his “bucket list.”

While he liked the experiences of being in different places, he quickly discovered that being a small fish in a big pond was not for him. “Each opportunity was great, but they forced me to ask myself, ‘What is my purpose?’ And the answer was, ‘I want to impact people,’” he said.

Which is why he is planning to stay a Hoboken resident. After meeting with the staff of The Stevens Indicator, he was going to visit a Hoboken realtor to look for an apartment in town so he can have an easier commute to his new job, but also to continue his efforts with TRUE Mentors, which he calls “cool, fun and real-live teaching.”

And his five-year plan? Don’t be surprised to learn about another trip with a service organization, Williams said. He plans on practicing what he preached on commencement day for years to come. ♦

“At Stevens, I realized that there are so many better things to focus on. I saw the importance of getting your priorities straight early on so you don’t waste your life on something that isn’t fulfilling in the long term.” —Rob Williams ’12
Top Ducks

High honors in esteemed program for Stevens athletics

BY ROBERT KULISH, STEVENS’ DIRECTOR OF SPORTS INFORMATION AND EVENTS

As Stevens Athletics begins a new sports season, it ended the 2011-2012 school year on a high note, being named among the top 40 Division III programs in the country in a prestigious ranking program.

Stevens ranked 40th in the Division III Learfield Sports Directors’ Cup, which honors schools that maintain a broad-based athletics program and achieve success in many sports and in National Collegiate Athletic Association (NCAA) postseason competition. This marks the fourth year in a row that Stevens has finished in the top 40, with more than 400 Division III colleges and universities nationally. Middlebury College won the #1 ranking for Division III schools, while Stanford University was top in the Division I rankings and Grand Canyon University was #1 for Division II.

After Stevens enjoyed solid fall and winter sports seasons, the men’s lacrosse and men’s tennis teams dominated the spring 2012 season, with both advancing in the NCAA Tournament.

Men’s lacrosse enjoyed one of its best years ever, scoring a record 17 wins and finishing the season at 17-3. The Ducks won the Empire 8 regular season and postseason titles and advanced to the regional semifinals of the NCAA’s with a remarkable overtime victory over Springfield College. Junior attack Rich Dupras of Hillsborough, N.J., earned conference Player of the Year honors and was the program’s first-ever, first-team United States Intercollegiate Lacrosse Association (USILA) All-American. Five other Ducks earned All-America accolades, with seniors Alex Hofrichter of Cincinnati, Ohio, and Michael Steinhauser of Boonton Township, N.J., earning USILA Scholar All-America distinction. Over the last two seasons, Stevens men’s lacrosse has put together an outstanding overall record of 33-6.

Men’s tennis was equally impressive this past spring, winning a third-straight Empire 8 Conference title and advancing to the second round of the NCAA Tournament. The Ducks were 12-8 overall in one of the toughest schedules in the Northeast and were undefeated in Empire 8 play, at 7-0. Six players earned All-Empire 8 nods, and junior Chris Rosensteel of East Windsor, N.J., was the conference’s Player of the Year for a second consecutive season. In addition, men’s tennis coach Steve Gachko

 Stevens lacrosse had one of its best seasons ever, posting a 17-3 record and advancing to the NCAA regional semifinals, with stand-outs like Michael Steinhauser ’12.
of Hoboken, N.J., was named the Empire 8 Coach of the Year. Stevens men’s tennis has reached the NCAA’s four times in the last five years.

Meanwhile, women’s softball saw a role model in sophomore shortstop Danielle DeFeo of Andover, N.J. The mechanical engineering major, with a 3.9 grade point average, was named to the CoSIDA Academic All-District First-Team this past spring in recognition of her ability both on the field and in the classroom. Her .458 batting average was among the Top 50 in the NCAA in 2012.

Indeed, many of Stevens’ student athletes were equally impressive in the classroom, as three Ducks earned Capital One Academic All-America honors last year and five other students were named Academic All-District. Of the 26 varsity sports at Stevens, 25 teams had a cumulative grade point average of 3.0 or better, and more than 70 student athletes have been named to the President’s List for five consecutive semesters. The President’s List honors students with at least a 3.75 grade point average in the fall semester or a cumulative grade point average of 3.75 or higher. All Ducks teams have a combined grade point average of 3.2.

▲ Stevens’ Chris Rosensteel was the Empire 8 conference’s Player of the Year for a second consecutive season this past spring and led the men’s tennis team to its third straight conference title.

▲ Softball shortstop Danielle DeFeo is a mechanical engineering major, with a 3.9 grade point average and a .458 batting average last spring.
The Stevens Alumni Association Fishing Club had a successful spring, with two striped trips and one fluke trip. Unfortunately, the striped run ended early this year, and our striped catch was below previous years, as the blue fish arrived earlier than usual and competed for the bait.

In May, the club was joined by several members of the Stevens campus police. The trip had four keeper striped (one large striped wrapped itself around the anchor line and was lost) and over 30 blue fish. The June trip resulted in five keeper striped, over 30 blue fish and more than 50 sea bass. Dick Magee ’63 won the pool on both trips with the largest striped.

In July, six Stevens alumni participated in Emil Stefanacci ’85’s annual Avaya fluke trip. This was a great family-oriented trip, with many children and grandchildren. Rich Kluge ’85 won the pool with the largest fluke. More trips are planned for the fall, so send an email to rsmagee@rcn.com if you wish to be notified of future trips.

The West Coast Florida Club held their annual “Lunch on the Lanai” in April at the home of Clare and Don Landmann ’51. Enjoying good weather and even better food were, front row on the ground from left, David Rose ’64, George Hawkins ’56 and Richard Unger ’64. On the first step were Don and Clare Landmann. On the second step were Trudy Rizzi, Buzz Stengel ’61, Joyce Stengel, Diana and John Palladino ’63, Barbara and Robert Thierfelder ’63. Back row were Carole and John Abom ’65, Duane Hartline ’66, Brenda and Joe Nye and Lou Rizzi ’54.
Stevens Metropolitan Club  
**BY DONALD E. DAUME ’67**

The Metropolitan Club conducted its annual business luncheon meeting in June at Marinero Grill in West New York, N.J. Members decided to meet through the summer and to hold dues and the luncheon price at the same level as the past 10 years or so. Annual elections were held, resulting in the same officers as last year, namely: John Stevens ’72, president; Joe Schneider ’46, treasurer; Don Daume ’67, secretary; and Ed Wittke ’45, representative. Our members also decided to donate to the Anita Lang Term Scholarship; our club has donated to Stevens scholarships for the last quarter century.

Since our last article, we have met at Puerto Spain in Hoboken, Grasshopper Also in Carlstadt, and at Stevens with the Old Guard. Our club is tiny, but the friendships are big.

You are invited to enjoy luncheon with us, usually on the fourth Thursday each month. Do call our Alumni Office to make your reservation. Come join us to keep strong your bond to Stevens and to fellow alumni.

1 The Stevens Metropolitan Club, the oldest club at Stevens to continuously meet, held its June meeting, where they donated a check for the Anita Lang Scholarship. At the luncheon meeting are, from left, SMC treasurer Joe Schneider ‘46; Anita Lang, executive director of the Stevens Alumni Association; SMC president John Stevens ’72; and two former SMC presidents, Don Daume ’67 and Marty Valerio ’68. 2 Members of the Stevens Old Guard —those who graduated 50 years or more ago —donned graduation robes again and marched in the commencement procession this past May. In the front row wearing red is Stevens President Nariman Farvardin. 3 Some members of the Class of 1962 marched during commencement, to celebrate their 50 years since graduation. They are, from left, Vicente Citarella, Dennis Blahut and Ray Kent.
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For more information, call the Stevens Alumni Office at (201) 216-5163, or e-mail alumni@stevens.edu.
This is the 1974 women’s fencing team photo, the first year for the team at Stevens. While some things are noticeably different from then to now, one thing has remained the same: Linda Vollkommer-Lynch, Hon. M.Eng. ’04, second row at left, has remained the women’s fencing coach for the past 38 seasons.

The 2011-12 women’s fencing team, as shown in Babbio atrium. The team claimed the National Intercollegiate Women’s Fencing Association (NIWFA) Division III Championship in early March.
“We established the Marty P. Valerio ’68 and Holly Valerio Endowed Scholarship with an outright contribution to Stevens in 2005. With updated gift planning, we’ve each made additional provisions to add to the fund in the future to greatly increase the size of the endowment, which will ensure that many more scholarships are awarded to deserving students in the years ahead.”

– Marty ’68 and Holly Valerio

MARTY VALERIO ’68, who teaches in Stevens’ Construction Management Department, is a tireless advocate for the University. His support for his alma mater takes many forms, including the scholarship he and his wife Holly have generously endowed. Each year, funds from this scholarship are awarded to a deserving student with a financial need. Stevens is deeply indebted to the Valerios for their remarkable support.

Beneficiary designations of life insurance policies, retirement plan assets, and brokerage or financial accounts are among the easiest and most tax-effective types of gifts to plan for Stevens. Such designations can typically be arranged in just minutes. Simply contact the Stevens Office of Development and we will provide the necessary information required. We will also celebrate your commitment through immediate membership in the Legacy Society, which confers special benefits upon you. In addition – just as Holly and Marty Valerio have done – you may direct your planned gift to support a favored purpose or program if desired.

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Assets remain entirely in your own control during your lifetime; you may modify your bequest anytime should your circumstances change; and you may potentially realize significant estate tax savings.

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Make a gift using an asset that you and your family no longer require; you receive an immediate income tax deduction for the cash surrender value of the policy; and you gain the satisfaction of having made a significant gift to Stevens without adversely affecting cash flow.

BENEFITS OF CHARITABLE DESIGNATION OF RETIREMENT PLAN ASSETS
Avoid both income and estate taxes normally levied on income remaining in your retirement account; donate the most highly taxed asset in your estate to Stevens, while retaining more favorably taxed property for your heirs; continue to make withdrawals from the plan during your lifetime; and you may change the beneficiary if your circumstances change.

LET US HELP YOU PLAN YOUR OWN UNIQUE GIFT.

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Please visit us online:
www.stevens.edu/dev/plannedgiving
Innovative Tube Fabrication

- Flaring and Flanging
- Expansions and Reductions
- Piercing and Slotting
- Custom Shaped Ends
- Precision Sharpening
- Electro-Polishing
- Laser Welding, Cutting, Marking
- Custom Assemblies

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.