

SETON HALL

A student with a beard and safety goggles is focused on using a pipette to transfer a green liquid into a small vial. He is wearing a red lab coat. The background shows laboratory equipment, including metal stands and glassware, slightly out of focus.

Winter/Spring 2008

A home for the mind, the heart and the spirit

Scientific Breakthrough

New technology center will train the next generation of scientists

STUDENTS WORK TO RESTORE THE RAHWAY RIVER | THE REAL COST OF CHINA'S ECONOMIC MIRACLE



SETON HALL

Winter/Spring 2008

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On the cover: John Boczany, a graduate student, stands behind a nuclear magnetic resonance spectrometer. Photo by Ian Bradshaw

Facing page: Photo by Ian Bradshaw



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The Investment of a Lifetime



Stewardship is one of the most important foundation stones for building success at home, in business, in the Church and at Seton Hall.

So many of us, on and off campus, willingly serve as custodians — certainly of the physical environment and, even more importantly, of the quality of academic programs. But we are also custodians of the ideals of Seton Hall: transforming students for life — for living — through a rigorous and ethically solid educational experience.

This is our great, enduring responsibility, and always a daunting challenge.

It has been the case since Bishop Bayley dared to dream his remarkably prescient and — in his day — unlikely dream. Many said at the time that it was impossible to build a college out of “nothing” in the middle of “nowhere.” But he had the faith, and he found the means.

As successors to and stewards of that Catholic legacy, we have taken up the responsibility to move the institution forward, to preserve the integrity of

Photo by Leo Sorel

the founding vision and to fulfill the mission of academic excellence and ethical development that we have inherited.

Among my first concerns for many families today is the cost of a university education. Widely reported in the press of late is an “education gap” caused by an “endowment gap” between the wealthiest schools and those with smaller endowments. State schools have felt the pinch, too, in recent years, and they have been forced to raise tuition and fees. Seton Hall is not immune to these pressures.

For us it costs approximately \$600,000 per day to provide salaries and scholarships, as well as for the ordinary but necessary things such as light in the classrooms, heat in the residence halls and campus security.

Sure, tuition is steep, but even after every tuition bill is paid in full, we still need another \$50 million or so per year to operate Seton Hall. As I often say, the *cost* of Seton Hall is not the *price* the student pays.

Students and parents know that so many of the indicators of a good life, including career options and higher salaries, are enhanced by having an excellent education.

The Board of Regents had the foresight several years ago to put our Sesquicentennial Strategic Plan in place and to give their blessing to the \$150 million *Ever Forward* campaign as a major component of that plan.

We are reaping the benefit of that wisdom, as well as the hard work of many who have put Seton Hall on the strongest financial foundation in her history.

We have also raised scholarship endowments for the schools and colleges, thanks to benefactors who made this a priority in the amount and purpose of their gifts.

In turn, all of these advances attract more and



better applicants, give current students maximum learning resources, allow us to hire excellent faculty and build the new and better facilities to house programs and activities for all.

Stewardship requires constancy in intent and action. In my 13th year as president, I am more aware than ever that, while special trust falls on me, real stewardship depends on all of us, on and off campus.

We all have ownership of the ideals, as well as the concrete reality, of Seton Hall. I can think of few investments more worthy of our time, talent and treasure as this unique institution.

Today’s students and parents can now know that the significant resources they put in higher education at this University is money wisely invested. They know that so many of the indicators of a good life, including career options and higher salaries, are enhanced by having an excellent college education. They have kept the dream alive through the years, and we who teach and form those students and manage the resources of this University must constantly rededicate ourselves to providing a return on that investment.

The enduring promise and challenge of Seton Hall is the generous investment of oneself (indeed, of many individuals) in this community of teachers and learners. Stewardship works, if we work at it — together.

You've Got Mail! Now What?

Over the past 10 years, e-mail has become indispensable. Trillions of electronic messages are sent every week, and U.S. office workers spend at least 25 percent of their day on e-mail. Since employers usually don't give out user manuals for e-mail, the Stillman School of Business invited the authors of *Send: The Essential Guide to E-mail for Office and Home* to talk to students in January.



Rather than giving a set of do's and don'ts, Will Schwalbe, senior vice president and editor in chief of Hyperion Books, and David Shipley, Op-Ed page editor of *The New York Times*, try to get people to take half a second to think before they send. *Seton Hall* magazine interviewed Schwalbe recently for his advice on the subject.

What are some of the worst e-mail blunders you uncovered?

The admissions director at the University of California at Berkeley's law school sent an e-mail to 7,000 applicants, congratulating all of them on being admitted. [Fully 6,500 people on the distribution list had actually been rejected.] In China, the head of a huge division of a multinational corporation resigned over a dispute that began as an e-mail exchange in which he took his secretary to task for not locking his office door.

What are some ways that people think about e-mail that can get them into trouble?

They think e-mail isn't important. Because it's so easy to ask for things on e-mail, people ask for things they don't really need, they ask for too much, and they ask them from people that they really shouldn't be asking.

How can people be persuasive when asking for something legitimate via e-mail? Have a good subject line.

Are younger generations better with e-mail because they are more tech-savvy? The new generation is writing all the time, e-mailing and texting their friends. So they are often more adept at e-mail. But they need to understand more about what is expected of them in terms of tone in the workplace. Just because someone is friendly with you in the hallway doesn't necessarily mean that you can send an e-mail that's in a similar tone as the hallway conversation.

When should people not use e-mail to communicate?

When is the telephone better? When it's getting complicated, when it's getting emotional, pick up the phone. Don't muse about things with legal consequences on e-mail. Every now and then, just for the heck of it, take things off e-mail. Just because you've been e-mailing back and forth with someone doesn't mean they won't appreciate a phone call.

| CATHERINE MEMORY

BY THE NUMBERS

The switch to recycled paper for *Seton Hall* magazine

0

Percent of recycled content in paper previously used

30

Percent of recycled content in paper now used

24

Pounds of sulfur dioxide (SO₂) not emitted into the air per year

5

Number of cars that would have to be removed from the roads for one year to equal the amount of greenhouse gases saved

2

Average number of U.S. homes that could be supplied with energy for one year with the energy saved by the switch

23,647

Pounds of solid waste, generated during pulp and paper manufacturing, not produced per year

279

Trees saved per year



These environmental impact estimates, which are based on 126,000 pounds of paper per year, were made using the Environmental Defense Paper Calculator.

Remembering Ed Hendrickson (1927-2007)

Edward Hendrickson, a beloved member of the University community, passed away in October. Below, a few former students and colleagues share their memories of the man who served as director of the Bishop Dougherty University Center in 1968-72 and dean of admissions at the law school in 1972-2000.

“After I became the varsity baseball coach, Ed helped to welcome recruits and ‘settle in’ the incoming freshmen. He was responsible for recruiting two of our greatest baseball players from his hometown in Pennsylvania: Greg Jemison and Eli Ben. Both went on to play professional baseball.

Ed was part of our family. One summer we were driving to Daytona, Fla., for vacation and Ed told us to visit him at the Governor's Inn in Myrtle Beach, S.C., on the way down. We did and ended up spending the entire week. When I went to pay the bill, there was none! That was Ed Hendrickson. He was one of the greatest Christian gentlemen I have ever met.” — Michael Sheppard '58, coach emeritus, Seton Hall University varsity baseball team

“Although my LSAT scores were not stellar, there was a fire within me to become a lawyer. My pleas to obtain a meeting with the deans of admissions of several law schools fell upon deaf ears.

Everyone's door was shut except Dean Hendrickson's. He granted me an appointment and the opportunity of a lifetime. I vividly recall going to his office ready to plead my case as though it were a U.S. Supreme Court issue. He intently listened to my story and gave me the time to make my case.

I will never forget how I was able to fulfill my dream of becoming a lawyer because Dean Hendrickson and Seton Hall Law School had a heart and an open door.” — Clay Constantinou, J.D. '81, founding dean of the Whitehead School and former United States ambassador to Luxembourg



“Though he wasn't an athlete himself, Ed had a strong love of sports. He served on the Drazen Petrovic scholarship committee with me for five years. Petrovic was a Croatian basketball player for the N.J. Nets, who died in a tragic car accident in Germany. Ed helped form a committee that gave a four-year scholarship from the Nets to a deserving Croatian student. In his tireless effort to help promising students, he got to know the Croatian people and culture and became known to the community as an honorary Croatian.” — Jim Lampariello, '75, managing partner, Positive Impact Partners



Clockwise, from top left: Ed Hendrickson; with comedian Joe Piscopo; and surrounded by hometown friends and his mentee, Joseph Bakes '72.

| ELIZABETH BAKES

SHU in the news



“It’s hard for any parent to drop their child off at school. They have a lot of anxiety, and for all the right reasons.”

-Linda Walter, director of disability support services, on the *Today* show

“At this point, I think he wouldn’t go away easily, whatever the court says.”

-S. Azmat Hassan, senior faculty associate and former Pakistani ambassador, in the *Los Angeles Times* on Pakistani President Pervez Musharraf

“Housing is local. There are some areas of this country where we’ve been in recession for many months, many years.”

-Scott Rothbort, professor of finance, on *FOX Business Channel*

“So far, there is no indication that this disease is going to affect human beings.”

-Yanzhong Huang, director of the Center for Global Health Studies, in the *Washington Post* regarding the swine disease in China

“I’ve won the lottery.”

-Cody Willard, adjunct professor of business and *FOX Business Channel* Happy Hour host, in *Newsweek* about his new TV gig

“Voters are assessing a candidate’s character based on their ability to judge people and their judgment in general.”

-Joseph Marbach, acting dean of the College of Arts and Sciences, on *ABCNews.com* regarding Fred Thompson’s political campaign

“Fantasy sports give us control, they let us pick the players we like and keep rooting for them.”

-Marc Edelman, adjunct professor of sport management, in the *Financial Times*



- **Annick Routhier-Labadie '07** is the first person from Seton Hall to be named a Rhodes Scholar. A Canadian native, she is one of Canada’s 11 Rhodes winners. The women’s varsity basketball player completed her undergraduate coursework in physics in three years while maintaining a 4.0 grade point average.
- The Institute of Museum and Library Services awarded **Janet Marstine, Ph.D.**, acting director of Seton Hall’s graduate program in museum professions, one of its 10 national 21st Century Museum Professionals grants to establish the Institute of Museum Ethics. The \$209,487 grant helps museum professionals create more transparent, accountable and socially responsible institutions.

In Brief

- Every 2007 graduate of the **School of Graduate Medical Education’s** master of science in physician assistant program passed the Physician Assistants National Certifying Exam. The computerized test assesses basic medical and surgical knowledge and is required for certification.
- New Jersey Policy Research Organization Foundation awarded **Xiaoqing Eleanor Xu, Ph.D.**, professor of finance at the Stillman School of Business, the Bright Idea Award in Finance for a research paper cowritten with Jiong Liu, vice president of consumer-risk management at Citibank.
- **Parviz Ansari, Ph.D.**, associate dean for academic administration and outreach for the College of Arts and Sciences, was named a 2008 Leadership New Jersey Fellow. The program’s goal is to expand and improve the pool of civic leaders in the state.

- Since its inception more than two years ago, **WSOU-FM’s** “Operation Metal” has collected more than 10,000 CDs (of all musical genres) to send to troops in Iraq and Afghanistan as part of musical care packages.
- In November, the **Stillman School of Business Center for Entrepreneurial Studies** hosted “Entrepreneurial Leadership: From Start-Up Venture to Public Company.” The event featured members of the center’s advisory board and three New Jersey entrepreneurs: Robert Carr of Heartland Payment Systems, Michael Kempner of MWW Group, and Stephen Waldis ’89 of Synchronoss Technologies, Inc.
- In January, the Stillman School of Business Center for Securities Trading and Analysis hosted the third annual **Jim and Judy O’Brien Financial Markets and Economic Colloquium**. The event featured live student-led market reports and results from the latest Seton Hall Sports Poll conducted by The Sharkey Institute. Industry experts focused on fixed income and equity markets and made their economic predictions for 2008.
- **Patricia A. Remshifski, M.A.**, director of clinical education and assistant professor of speech-language pathology, was reappointed to the higher education committee and healthcare committee of the New Jersey Speech-Language-Hearing Association. Her colleagues **Deborah Welling, Au.D.**, associate professor, and **Theresa A. Cardillo, M.A.**, director of clinical education and assistant professor, are co-chairing the association’s continuing education committee.
- **Thomas R. Rondinella, M.F.A.**, associate professor of communication, produced the short film “A Relaxing Day,” based on a one-act play by Pulitzer Prize-nominated playwright Theresa Rebeck. The film was screened at the 2007 Woods Hole Film Festival and won best-produced short film at New Jersey Movie Maker’s Memfest Film Festival.

THE DISCOVERY ZONE with Lee Miller, J.D. A straight line to the great minds at Seton Hall

What’s the one thing I should remember when I want to influence others?

Effective influencing is not rooted, as many believe, in the ability to convince others to change their views or adopt different values. The power to influence comes from recognizing what others already believe and care about — what I refer to as their U Perspective — and using that information to motivate them to help you achieve your goals.

The U Perspective concept allows you to get what you want by working within another person’s belief system, not by challenging it. That requires you to determine how the person you are seeking to influence perceives a situation and what is important to him or her. Once you ascertain that, you can develop and present options in ways that influence people’s behavior.

How can being a better listener help me become more adept at persuading people?

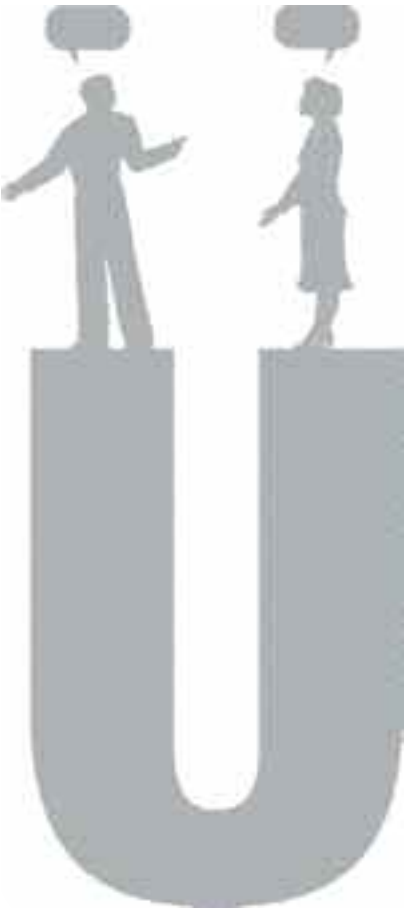
To discover what will motivate someone to want to help you, you need to become a better listener. People will always tell you what they care about, if only you listen.

If you want to encourage someone to share information, put them at ease. Ask open ended questions to get people to tell you what they are really thinking. Listen more than you speak.

Being genuinely concerned, however, is what makes a person an effective listener. People can tell when you are sincere. If you are truly interested in what they have to say they will know it and will be open about their needs and concerns.

Lee E. Miller, J.D., an adjunct professor of management at the Stillman School of Business, is the managing director of *NegotiationPlus.com* and author of *UP: Influence, Power and the U Perspective — The Art of Getting What You Want* and *A Woman’s Guide to Successful Negotiating*.

What do you want to know? Send us your questions about anything from acupuncture to Zionism; we’ll search for the answer. Contact us by writing to “The Discovery Zone,” *Seton Hall* magazine, 457 Centre Street, South Orange, N.J. 07079, or by sending an email to SHUwriter@shu.edu with “The Discovery Zone” in the subject line.



The Heart of the Matter

WHAT STUDENTS LEARN GETS AN OVERHAUL

Freshmen arriving at Seton Hall this September will encounter sweeping change — in the form of a new core curriculum that may well transform their college experience.

The University's core — a set of classes required for all students — has not changed since the early 1980s, and for the last seven years, a large committee of faculty and administrators has worked diligently on a new approach, collecting input from students, faculty and outside experts. The group developed an integrated program that focuses on questions about our humanity and our place in the world at the same time as it builds skills and provides a common bonding experience for students. It's a complex undertaking. Here's the CliffsNotes version.



Back in Time

- 1860s:** Just four courses are required: classical languages (Greek or Latin), English, French and mathematics.
- 1930s:** Students choose either a liberal arts major or from a selection of pre-professional majors; language courses are required.
- 1950s:** There are seven required courses in religion and philosophy, three English courses, two social studies courses, and one voice and diction class.
- 1970s:** The common core for all students is dismantled; Schools and Colleges develop their own requirements for their majors.
- 1980s to 2007:** Students select classes from a menu of distribution requirements, meaning they take a number of courses from a variety of disciplines — such as social and natural sciences, ethics and philosophy — but what they take from these departments is up to them.

What Lies Beneath

The classes considered important have changed over the years to reflect cultural shifts.

Remarkably, the University's Depression-era educational philosophy echoes today's goals. The 1937-38 catalogue states that Seton Hall teaches "not only how to earn a decent living, but how to live decently." And that education is "not a storing of memory with facts, but a training of mind in habits and principles of right thinking."

Seton Hall's formula for the new core also represents a convergence of contemporary trends. Biology professor Marian Glenn, Ph.D., points to "a movement to look at all subjects in a cross-disciplinary manner and inquiry-based methods of teaching." She also notes a return in higher education to exploring the "big, philosophical, meaning-of-life issues" while valuing the "basic skills of writing, oral communication and information technology."

Under Construction

Back in 2001, the consensus among the faculty and the administration was that distribution requirements weren't doing enough to help Seton Hall students become "thinking, caring, communicative, ethically responsible leaders with a service orientation." There was also a desire to link the Catholic intellectual tradition with other traditions. So the core curriculum committee studied programs at other Catholic institutions and collected feedback at numerous town meetings.



The Results

- Freshman year** — All students take *Journey of Transformation*, *Core English I* and *II*, and *University Life*.
 - Sophomore year** — All students take *Christianity and Culture in Dialogue*.
- Schools and Colleges still have their own distribution requirements for their majors.
- Students will be expected to take a number of courses designed to develop "core proficiencies": reading and writing, oral communication, mathematical fluency, information fluency and critical thinking.

Signature Courses

The new core classes raise serious, existential questions: What is real? What is truth? Is there a meaning to suffering? What is love? What is freedom? How does faith relate to reason, science and non-belief?

Journey of Transformation

Students study transformative journeys portrayed in classic Greek, Catholic, Islamic and Hindu texts, as well as in modern novels, autobiographies, short stories and films. They reflect on their own journey of transformation — their college experience. Eighty percent of the course is the same for all freshmen; professors choose among a number of optional texts for the remaining 20 percent.

Christianity and Culture in Dialogue

Students study Christian texts paired with non-Christian texts, to examine the influence, critique and dialogue between different religious traditions and cultures. The relationship of faith to reason, science and non-belief is explored.

University Life

Started in 1990 as a college study-skills course, this one-credit class also familiarizes students with University resources.

Required Reading

For *Journey of Transformation*: Plato, The Gospels, the *Bhagavad Gita*, Augustine's *Confessions*, Dante's *Divine Comedy*, Vatican II's *Nostra Aetate*, Pope Benedict XVI's *Deus Caritas Est*.

For *Christianity and Culture in Dialogue*: Paul's *First Letter to the Corinthians*, Thomas Aquinas, Charles Darwin, Umberto Eco, G.K. Chesterton, C.S. Lewis, Sigmund Freud, Karl Marx.



Launching the Core

- Fall 2006:** Two hundred freshmen piloted *Journey of Transformation*.
- Fall 2007:** Three hundred and fifty freshmen enrolled in a second pilot. The 200 sophomores who had already taken *Journey of Transformation* piloted *Christianity and Culture in Dialogue*.
- Fall 2008:** All freshmen will be required to take the new core.
- Next:** Twelve new, tenure-track faculty will be hired to help teach the core. Students will be expected to take an increasing number of proficiency-infused courses. An additional signature course will be required junior year.
- Future Possibilities:** A senior capstone project and the use of e-portfolios for assessment may be added. These elements are still being discussed by the core curriculum committee and await formal approval.
- Adjustments:** Assessment of the core is ongoing, and future revisions are expected, so that the core can continue to respond to student and faculty needs in a meaningful way.

| CATHERINE MEMORY

Buzz

Both professors and students alike see the new core's benefits:

"It's giving the undergraduate degree its proper humanistic focus. In meeting older graduates — alumni in their 40s, 50s and 60s who are very successful businessmen — they tell me the courses that stood the test of the years, and the courses they got the most from, were philosophy courses."

— **Monsignor Richard M. Liddy '60, S.T.L., Ph.D.,** professor of Catholic thought and culture

"I thought it would be too complicated to buy at first. People said yes, it's complicated, yes, it's a lot of work, but we see the value."

— **Mary Balkun, Ph.D.,** professor of English

"The students in my core classes were in my orientation group over the summer, so we grew together and definitely have discussions that have continued outside the classroom. Last week we had the interesting yet awkward discussion of love, sex and the Church." — **Caitlin Kelly '11**

"My major is accounting, so at first I was disappointed because I thought [Journey of Transformation] had nothing to do with my major, but after I took the class, it made me feel I could actually learn for the sake of learning." — **Terence Tay '11**



What is love?
What is truth?

a river runs through it

ENVIRONMENTAL STUDIES STUDENTS JOIN FORCES WITH SOUTH ORANGE RESIDENTS TO RESTORE THE LOCAL RIVER TO A MORE NATURAL STATE.

When political-science professor Michael Taylor started planning the curriculum for Seton Hall’s environmental studies program in the fall of 2004, his goal was “to find a nearby ‘living laboratory,’ where we could run all sorts of projects.” He found the Rahway River.

Within a year, Taylor and his students began collaborating with a group of indefatigable locals who want to revamp the Rahway’s urbanized watershed. So far, about 75 students have contributed to the river’s reconstruction, taking on ecological, political and educational projects. All the while, they’ve cultivated amicable relationships with the Village of South Orange’s businesses and residents — leaving the lasting impression of a committed, ambitious student body in the eyes of its neighbors.

The east branch of the 24-mile river flows south between Seton Hall’s campus and the South Mountain Reservation before joining the west branch in Springfield. The river widens there and then continues south to Rahway — where about 26,500 people use it for drinking water — before it finally empties into the Atlantic Ocean.

Beginning in the early 1970s, the land surrounding the

river went under rapid development. The subsequent increase in impervious driveways, parking lots and roads meant that rainwater, instead of seeping into the ground, ran off into the river. And when summer storms hit, the river overflowed onto the surrounding property.

In 1974, the U.S. Army Corps of Engineers came in with a utilitarian fix: straighten the meandering river so that it would move downstream faster during a storm. They dredged the bottom to reduce silt deposits, installed drainage systems and put up steep cement retaining walls. “That took care of the flooding problem,” Taylor says, “but unfortunately changed the entire habitat surrounding the river.”

Local citizens soon complained about the ecological and aesthetic damage done by the Army Corps. Seton Hall ecology professor Marian Glenn, a longtime resident of Summit and a member of the Rahway River Association, says the river area — heavy on cement structures and metal drains, and short on flora — no longer had the scenic or recreational aspects of a natural park. Yet everyone agreed that the flooding had to be controlled. The community’s general feeling, she explains, was one of “Hey, we’d

like our river back — but not in our backyard.”

Then about eight years ago, a few concerned citizens of South Orange obtained federal and local funds to turn the river back to a more natural state. The Greenway River Project, now with its own committee within the village government, has weighty goals: relaxing the slope of the banks, replacing invasive species with native ones and building an off-road path for cyclists and pedestrians. Its proponents say the path will not only spur walking traffic for downtown businesses, but will also give commuters a safe route to get to the train station without having to park.

From the start, the Greenway Project’s organizers knew that Seton Hall students could be a valuable resource. In the summer



WHAT'S IN THE WATER?

Analyses done by students (shown here and on previous page with professors Taylor and Glenn) will help pinpoint areas for future clean-up efforts.

Photos by Michael Paras

of 2005, one of Taylor's students introduced him to a founder of the Greenway Project, Janine Bauer. "She and I sat down and sketched out three to four years' worth of student projects that could help the village with this huge project," Taylor recalls. "It was all part of our commitment to service-learning, where student research has a practical use for the community."

That fall, the six students in Taylor's *Introduction to Environmental Studies* course began the first of these initiatives: designing a river gateway in downtown South Orange that was both aestheti-

cally pleasing and ecologically smart. Their design included a raised brick-and-glass platform that would provide open space over a small part of the river. They also suggested replacing a paved seating area with grass, tree and bush land cover. "We met with business owners to ask how they'd be willing to modify their business to fit in with the river project," remembers Katie Clements '07, now a teacher in Brooklyn. "We talked to them about putting up more natural siding, moving where they parked their cars — little things that would make the area more attractive."

"They were definitely receptive to changing the unused plot of cement into something that could be an attractive gathering place."

The team also informally surveyed people found walking near the river to ask them for suggestions. "They were definitely receptive to changing the unused plot of cement into something that could be an attractive gathering place," says Paul Bryant '07, who worked closely with Clements on the project and is now a nonprofit management consultant in Manhattan. "They wanted something that would be a real town centerpiece."

At the end of the semester, the students presented a sketch of their gateway plan at an official meeting of the village's Greenway Project committee. "The students approached it with a lot of creativity," Bauer recalls. For instance, they recommended using eco-friendly materials, like "hycrete" — waterproof concrete with low-energy manufacturing — halogen park lights and faux wood benches made out of post-consumer plastic.

"We knew from the get-go that the work that we were doing wasn't just going to be thrown away," Bryant says. Indeed, Bauer says the committee "definitely used some of the elements that they suggested in designing that area of the river."

In subsequent semesters, Taylor's students — also at the request of the committee —

wrote an informational brochure about the history of the project and future plans. It was sent out to 5,500 village homes. This fall, they wrote another brochure specifically about how households can help reduce stormwater pollution.

Other Seton Hall professors have jumped on board, too. This past summer, thanks to a \$15,000 Environmental Protection Agency grant obtained by Taylor and biology department chair Carolyn Bentivegna, a handful of students performed water-quality analyses at 15 sites along the Rahway. These measurements of the water's nutrient levels, pH and salinity will be important benchmarks for comparison a few years from now, after the renovation work is done. "It will give us an idea of where we should target site clean-ups," Bentivegna explains. In the fall, Marian Glenn's ecology class continued the analyses.

In future semesters, the environmental-studies professors hope that Seton Hall students will teach students at South Orange Middle School — which sits next to one of the testing sites — how to measure water quality themselves. Taylor is also committed to completing any other research projects suggested by the Greenway committee. Though a cleaner and more popular waterfront is probably still a couple of years away, "it's actually amazing how much progress we're making so far," Bauer says. "And one reason is because we've found a great partner in Seton Hall." □

Virginia Hughes is a science writer and blogger based in New York City. She can be reached at virginia.hughes@gmail.com.



Driven to Succeed

JUNIOR AMBER DANG PURSUES A NURSING CAREER WITH A SINGLE-MINDED PURPOSE.

Some students spend their college years trying to find themselves. They dabble in various subjects, go to parties and postpone figuring out what they’re going to do with their lives until after graduation. Not so with Amber Dang, a junior in the College of Nursing. She knows exactly why she’s at Seton Hall, and works three jobs in the summer, “takes out a lot of loans” and lives frugally to fulfill a dream.

“I am a determined person because of the passion I have to become a nurse,” Dang says simply. As her history illustrates, such drive sometimes emerges out of adversity — along with the timely guidance of a key mentor or two.

When Dang was still in high school, she faced some difficult life choices, and her grades began to suffer as a result, but the mother of an ex-boyfriend reached out to help her. The woman was a neuropsychological nurse at the nearby Cooper University Hospital. Through her, Dang discovered a profession that was not, as she had previously thought, “a blue-collar job of taking orders from a doctor.” Rather, it was a white-collar career that required deep science skills, critical thinking and independent actions.

At about the same time, Dang began working with a girl with autism in her community. As Dang began to study alongside the girl’s occupational therapist, she learned the techniques and patience of the caring professions. Although the girl “couldn’t speak or even look

at me,” Dang learned two lessons from her: “Ultimately, she was teaching me to become a better nurse.” The girl’s hard-to-engage personality also stirred in Dang the discovery that “you have to find it deep in yourself not to give up.”

Dang persisted. Eventually, the progress she made reaching the one girl got around to other parents, and Dang began working with four other young people with autism. “It didn’t pay as much as working in a clothing store,” but the experience had great value nonetheless: “It helped me find myself in high school,” Dang says today.

Along with volunteer work at Cooper University Hospital — where she read to children in the hospital’s pediatric department as part of a “Reach Out and Read” program, this habit of caring for others got Dang out of her own problems and onto a pathway for a life’s work. Indeed, when she arrived at Seton Hall, she says, she “felt ahead of the game.” Her choice of Seton Hall, she says, was predicated on its broad curriculum. Dang was attracted to the school not only by the traditional clinical courses, but also by the opportunity to take classes in the humanities in addition to advanced nursing courses not typically offered to undergraduate students.

Two years of outstanding grades (a 3.85 GPA), however, didn’t prevent her from falling behind financially. The money issue reached a crisis point last summer when “she had trouble making ends meet,” recalls Marion Lapchak, an associate dean in the College of Nursing.

“She left no stone unturned in her quest to find the resources she needed. She’s tenacious.”

Yet even then, Dang displayed atypical determination, Lapchak says. “She left no stone unturned in her quest to find the resources she needed. She’s tenacious.”

Eventually, a combination of scholarships and other financial support allowed Dang to remain in school — an outcome that Dang credits Lapchak with helping to engineer. “She was there for me,” Dang says of her second mentor. For her part, Lapchak says, “I can’t tell you how impressed I am by her. We have a lot of outstanding students, so I’m not all that easily impressed.”

What strikes Lapchak most is Dang’s unusual combination of selflessness and push. “She’s a very generous young woman in helping her fellow students,” Lapchak says. Yet she’s also driven “to maximize her learning” with outside activities, such as her volunteer work advising and providing emotional support to clients at the Hospital of the University of Pennsylvania (HUP) — where she also has created several health-awareness programs for the visiting public.

HUP is where Dang hopes to go after graduation. Whether she gets there or not, Dang says that she’s grateful for what life has dealt her so far. “I know it sounds corny,” she says, “but no matter what you go through, it makes you what you are. It makes you stronger.”

Bob Gilbert is a writer based in Connecticut.

Photo by Michael Paras



One for the History Books

WHO WAS NAMED AS THE FIRST STATE HISTORIAN IN TEXAS?
FRANK DE LA TEJA '79

There's a popular bumper sticker in Texas that reads: "I wasn't born in Texas, but I got here as fast as I could."

Cuba-born, New Jersey-raised Jesús Francisco de la Teja didn't exactly race to Texas — he applied to the doctoral history program at the University of Texas only at the urging of his Seton Hall history professor, George Browne — but once he got there in 1981, he wasted no time establishing himself as a Texas history expert.

While pursuing his Ph.D. in Austin, de la Teja, also known as Frank, scored a coveted job as a research assistant to author James A. Michener, who was writing the historical novel, *Texas*, at the time. After earning his doctorate, de la Teja worked as an archivist at the Texas General Land Office, conducting research on Texas land history. Now chairman of the history department at Texas State University, San Marcos, de la Teja frequently lectures on the state's colorful past.

And in February 2007, Gov. Rick Perry named de la Teja, 51 years old, as the first-ever Texas state historian — a sure sign that this former Yankee has become one of the foremost authorities on the Lone Star State. De la Teja's mission: To help make Texas history more accessible and relevant to the state's increasingly diverse student population.

"Texas is very different than the conventional imagery and stereotypes of Texas," he says, noting that more than 90 percent of the population lives in cities — not the ranches or small towns that loom large in state iconography. "We have to teach the 20th century better, showing how Texas transformed itself into the Texas we live in today."

In many ways, de la Teja says, modern Texas isn't all that different from the towns he grew up in, places such as Hoboken, Garfield, Passaic and Clifton. "I was your typical immigrant kid," says de la Teja, whose family came to New Jersey from Cuba in 1963. "My friends were Italian, Hungarian, Polish; it was very diverse. My Jersey experience has informed the way I try to think about Texas history."

When he arrived at Seton Hall, de la Teja initially was interested in studying international relations — "I envisioned myself traveling the world," he recalls — and got his undergraduate degree in political science. He loved his history classes, though, and ended up staying at the University to earn his master's in history.

He made quite an impression on his professors. "Frank was one of our best students; we all saw his ability then," says professor Larry Greene. "He's had a great career there in Texas, and we are very proud

De la Teja got an invaluable education in Texas history when he served as James Michener's researcher when Michener was writing the historical novel, *Texas*.

of him." Similarly, de la Teja's professors had a big impact on his career, instilling in him a passion for teaching and rigorous research. "It was the history professors at Seton Hall who helped me define my life calling," he says.

In fact, de la Teja wasn't even planning to apply to the University of Texas; he did so at the urging of his professor, Browne, who thought it would be a good perch for the young historian to continue his work in Latin American history. De la Teja soon became immersed in the study of Latin American colonization, writing his dissertation on 18th-century society in the northern part of the territory then known as New Spain.

He also got an invaluable education in Texas history when he served as writer Michener's researcher. Michener, who was not an historian by training, was nonetheless a tireless researcher who loved the rich details of a region's past. De la Teja also remembers Michener, who died in 1997, as an incredibly humble man. "He wasn't a pretentious person, and that's one big lesson I learned from him," he says.

Indeed, de la Teja is unassuming when he talks about the honor of being the state's first official historian — a two-year gig that doesn't have a budget or support staff, but makes de la Teja a key resource for educators looking for advice and guidance on teaching the history of Texas. "It is a very big honor," he says. "It is much too big an honor for someone who knows all the prominent and much more accomplished historians in the state."

But those who supported de la Teja's appointment — a joint panel from the Texas State Historical Association (a nonprofit group) and the Texas Historical Commission (a state agency) recommended him for the position — say he's being too modest. "It was not a difficult series of discussions," says Larry McNeill, former president of the



Photo by Chandler Prude, for Texas State University

Texas State Historical Association. McNeill says the group wanted a high-energy person who could communicate with academics and community groups alike. He says: "There was a lot of agreement that Frank fit the bill."

De la Teja was such a good fit, in fact, that the panel was willing to overlook the fact that he's not a native son. Jokes McNeill: "I don't think Sam Houston is rolling over in his grave over the fact that our first state historian is someone who spent a significant amount of time in New Jersey."

Stephanie N. Mehta is a New York-based financial writer.



In a dramatic architectural overhaul worthy of the popular TV show *Extreme Makeover: Home Edition*, Seton Hall unveiled its gleaming new Science and Technology Center in the fall. The \$35 million state-of-the-art, environmentally friendly building brings under one roof all the science and tech departments — biology, chemistry and biochemistry, mathematics, computer science and physics — for the very first time.

Just as a surge in demand for science, pre-med and pre-dental students in the 1950s prompted the University to build the center's predecessor, McNulty Hall, in 1954, the urge to create a facility that would train scientists prepared for 21st-century research led to this extreme renovation. The 100,000 square-foot structure incorporates the latest equipment for students and faculty and makes use of "green" building concepts such as an innovative heat-recovery process that reduces wasted heat and energy by taking excess heat from equipment and transferring the exhaust air to areas where it is needed. The building also has installed ground-breaking "open labs" that foster increased cooperation and collaboration between research groups.

Extreme Makeover

Science Center Edition



Though the building itself makes an impressive addition to the campus, what goes on inside its walls is even more awe-inspiring. Here, we peel back the building's outer shell and look at Seton Hall's science programs' inner workings. We describe the high-tech equipment researchers use, highlight creative partnerships the University has forged with private industry, touch on specific research projects faculty and students are currently conducting, and profile just one of the many talented scientists who work at the University.

The Discoveries They Make

Faculty research and publication are fundamental to the life of any university. Though often regarded as secretive and austere, scientific research in Seton Hall's new Science and Technology Center is exposed — the result of open lab spaces and a plethora of windows that allow passersby to peer into the soul of science. These are just some of the important research projects taking place on campus:



4th Floor

Professors Yuri Kazakevich, Joseph Maloy and Nicholas Snow are developing new techniques for separating complex mixtures, identifying the mixtures' various components, and then quantifying trace components. They use gas and liquid chromatography and mass spectrometry to identify trace impurities in pharmaceuticals and analyze drugs in biological fluids.

This research is directly applicable to drug testing in sports and the development of purer, safer, and better pharmaceuticals.

Professors George Turner and Yufeng Wei are discovering new drugs through the use of specialized instrumental techniques to determine the structure and properties of complex biological molecules such as proteins.

The work that professors Rory Murphy, James Hanson and Wei do falls at the boundary between synthetic and biological chemistry. To better understand how drugs work in the body, they synthesize new organic and inorganic molecules and evaluate how the molecules interact or react with DNA.



3rd Floor

Professors Sulie Chang and Ghayasuddin Ahmad are researching neuroimmunology and investigating how morphine affects the immune system. Their research makes extensive use of our confocal microscopy facility and is funded by the National Institutes of Health.

Professor Alexander Fadeev is working on a project to design nanoporous silicas, a material with ultra-tiny pores, for time-controlled drug delivery. He is collaborating on this research with the consumer health-care division of GlaxoSmithKline Inc.

drugs. Marzabadi's work focuses on the preparation of carbohydrate molecules, while Sowa's centers on the use of catalysis to prepare molecules in a more efficient, environmentally friendly manner.

Professor Marian Glenn is studying microbes and the influence of pollution on ecological change.

Professors Cecilia Marzabadi and John Sowa are discovering molecules and new ways to make molecules that may someday be useful in the creation of future pharmaceutical

Microbiologists Angela Klaus, Anne Pumfery and Heping Zhou are studying the causes and effects of herpes and HIV.



2nd Floor

Cell biologists Allan Blake and Jane Ko are studying basic processes that regulate cell growth and inflammation, and how cells respond to their environment. This research helps in understanding how cells react to threats such as bacteria and viruses.

human reactions to stressful situations, including hostage rescues, combat and disasters. She hopes to learn how post-traumatic stress disorder develops and might be treated.

X-ray spectrometry. Semiconductors make nearly all modern electronic devices possible, while superconductors make energy transmission much more efficient and are used in high-energy magnets and for levitation.

Professor Roberta Moldow is studying endocrine responses in first responders hoping to better understand

Professors Mehmet Sahiner, Parviz Ansari and Costel Constantin are synthesizing and studying the physical properties of novel semiconductors and superconductors using laser and

Professor Carolyn Bentivegna is studying the genetic diversity in the New Jersey wetlands as an indicator of pollution.

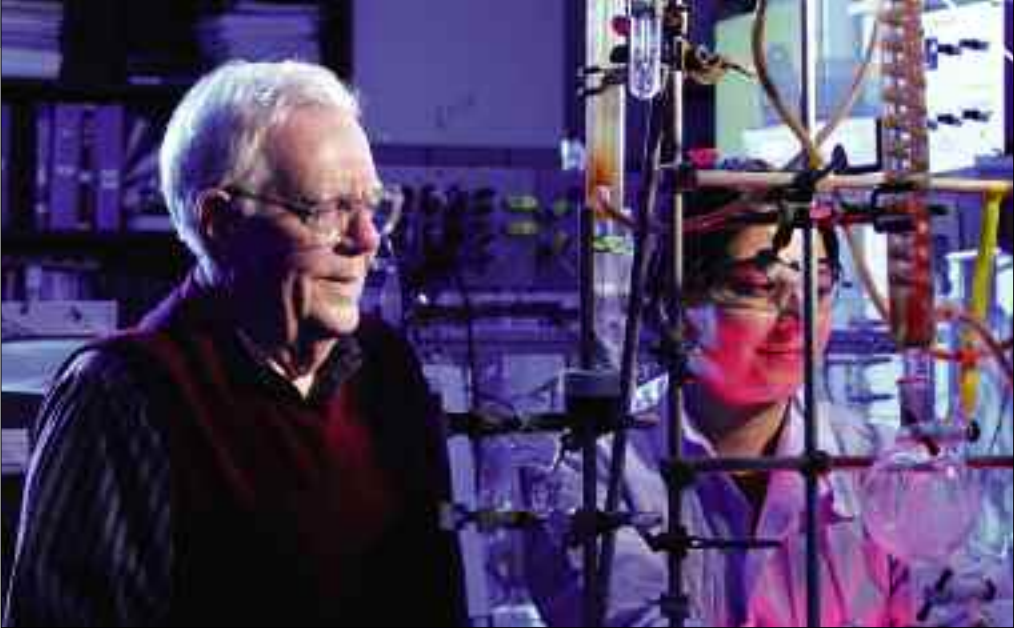


Joining Forces

In the 1990s, the makers of NutraSweet, then working to create a new synthetic sweetener — one that would be 8,000 times as powerful as sugar and 70 times as sweet as aspartame — faced a vexing problem; the company couldn't cost effectively make large quantities of a key compound needed to manufacture the sugar substitute.

Seton Hall's Center for Applied Catalysis (CAC), it turns out, found a solution. The center's scientists developed a catalytic chemical procedure, now called the "Seton Hall process" that made it possible to produce the compound efficiently and economically. Today, NutraSweet Co.'s newest sugar substitute, neotame, sweetens products worldwide and can be found in popular brands such as Tang and Ice Breakers.

Collaborations like this one between Seton Hall scientists and leading corporations are increasingly common. Driven by the University's extensive offerings in the sciences and its prime location in New Jersey, Seton Hall has ample opportunity to provide high-value research and labor to the area's pharmaceutical and bioengineering industries. With a client list that includes Clariant, Degussa, Engelhard, Flexsys, Cephalon, Dow, Schering-Plough, Grace Davison, Johnson



Matthey, Pressure Chemical Co., and Rohm & Haas, the CAC has contributed cutting-edge research to private industry for more than a decade. In addition, Seton Hall's new Center for Academic Industry Partnership (CAIP) will provide area companies with scientists already trained to work in pharmaceutical and industrial (rather than just academic) labs.

Created in 1997 under the guidance of Robert L. Augustine, chemistry professor emeritus and executive director, the CAC helps clients develop catalytic processes for commercially important reactions. Though little-known on

campus, the CAC is highly regarded internationally in scientific and industrial circles, and its research team is considered among the best in this country for the specialized work of studying the catalytic reactions that are used to synthesize organic compounds.

Nearly 20 patents list CAC scientists as inventors, and the University owns five of them outright. The patents cover a new class of catalyst specifically used to prepare specialty chemicals and pharmaceuticals. And though these catalysts are marketed under the CATAXA trade name, they are frequently

A View from the Inside

Yuri Kazakevich is an unassuming scientist. An accomplished theorist and well-known author on the science of chromatography, he is modest when it comes to his most recent book, *HPLC for Pharmaceutical Scientists*. "It feels good to come into a lab in whatever company and see your book there," the associate professor of analytical chemistry says. "On the

other hand, the perfectionist in me now sees what could be done better."

Yet, based on published reviews, this book is recognized as the major text on high performance liquid chromatography (HPLC).

Chromatography, the technique for separation and analysis of complex mixtures, is crucial to industries that develop, manufacture, or test

new over-the-counter and prescription drugs. "All pharmaceuticals are a mixture of several ingredients that degrade over a period of time under certain circumstances," he says. "These degraded products are dangerous. Chromatography allows us to analyze the degradation and find out how long a pill can be stored to be useful and non-poisonous." Drug composition is also important because when a person is prescribed a certain dose of an active drug, HPLC, Kazakevich's specialty, makes it possible to verify the correct dose.

Kazakevich's scientific beginnings are rooted in intense study at Moscow State University under the guidance of A.V. Kiselev, a leading absorption scientist, and his love for HPLC blossomed when he came to the United States in 1993 to conduct post-doctoral research at Virginia Tech in the laboratory of yet another renowned scientist, H.M. McNair.

It was here that Kazakevich and McNair decided to write an Internet textbook called *Basic Liquid Chromatography*. Because most analytical chemistry texts only briefly touch on

described as "Seton Hall catalysts."

The CAIP, which opened in 2007, expects to make its greatest contributions by ensuring that Seton Hall trains scientists who are ready to work in state and federally regulated industrial laboratories, even though this type of training is not generally offered in colleges. Funded by a \$500,000 seed grant from Sanofi-Aventis, the CAIP will infuse standard pharmaceutical and industrial labs practices into its undergraduate laboratory curriculum, create an exchange program so doctoral candidates in chemistry train in both industrial and academic environments, and offer short lab techniques courses to working pharmaceutical scientists for professional development and to demonstrate new techniques and methods.

Because scientific investigation is essential to advancing the quality of human life, the opportunities Seton Hall's scientists have to collaborate with the area's industries is truly a sweet deal — for everyone involved.

"All pharmaceuticals are a mixture of several ingredients that degrade over a period of time under certain circumstances."

chromatography, he says, "We knew there needed to be more decisive information on this science."

Since its launch more than 10 years ago, *Basic Liquid Chromatography* is, according to Google, the most accessed source of online information on HPLC. The book's popularity spawned thousands of requests for a printed version, and, so, *HPLC for Pharmaceutical Scientists* was born.

Though Kazakevich is a principal author of the new book, he says it would have not been possible without the help of other chromatographers, a group that includes Seton Hall alumni and past faculty. "Writing books and papers is hard work," he says, "but this is how I give back to the science. I enjoy my lab work and teaching my students, but this book provides students a true understanding of this complex science. They graduate knowing they have the tools to impact the industries they serve."

Shannon Rossman Allen is a freelance writer based in Fort Worth, Texas.

Beyond the Microscope

Seton Hall has invested heavily in cutting-edge instrumentation, recognizing that researchers need up-to-date tools to make scientific discoveries and engage future scientists in learning. The instruments listed below are critical to scientific investigation and are typically found in universities that

perform serious research. John Sowa, associate professor of chemistry and academic liaison for the center's construction, describes their mix of usefulness and state-of-the-art appeal by likening a number of them to "a tour bus that a rock star or presidential candidate would have."

INSTRUMENT	NO.	DESCRIPTION	USED BY	WOW FACTOR
500 and 200 MHz Nuclear Magnetic Resonance (NMR) Spectrometers	1/1	Laboratory-scale versions of the MRI systems found in hospitals, these instruments determine the complex structures of novel molecules.	Chemistry, Biology	★★★★
Mass Spectrometer	3	Mass spectrometers, which determine the structures of molecules, can identify the composition of "trace" evidence in forensic science and identify impurities in manufactured products, such as foods and pharmaceuticals.	Chemistry, Biology	★★★★
Gas and Liquid Chromatographs	12/30	Gas and liquid chromatographs separate complex mixtures. When used with the mass spectrometers, they can identify materials of interest: trace amounts of drugs and metabolites in urine, or preservatives and residual manufacturing solvents in pharmaceutical products, to name a few.	Chemistry, Biology	★★★
Olympus FluoView 1000 Confocal Microscopy System	1	This state-of-the-art system allows researchers to peer into the structure of a single cell at the nanoscale. Using precision-aimed lasers and fluorescent light, it gives detailed resolutions of material placed under a microscope and can show unique three-dimensional images.	Biology	★★★★
16-inch GPS Driven Meade LX200R Telescope	1	Slated to arrive on campus this spring, this instrument brings advanced optics within reach of Seton Hall's aspiring astronomers. The telescope features an advanced Ritchey-Chrétien optical system — found in the world's most important research telescopes —and a GPS device to make it easy to locate any object in the night sky.	Physics	★★★★★
Center for Computational Research	1	The center maintains an array of mainframe, cluster-based and workstation servers that complement experimental research with computational modeling and simulation. Current modeling projects include the simulation of advanced metal oxide thin films and surfaces for semiconductor-device electronics and sensor technology.	Chemistry, Physics	★★★★

Early Detection System

CATHERINE NOBLE COLUCCI TEACHES HER STUDENTS
HOW TO REACH CHILDREN WITH DEVELOPMENTAL DISABILITIES
IN TIME TO MAKE THE BIGGEST DIFFERENCE IN THEIR LIVES.

As Kimberly Lochner flashed details of a case study up on a wall screen, six other young women in a darkened classroom in Duffy Hall intently studied the text in silence. The students, all candidates for a master’s degree in occupational therapy (OT) in the School of Graduate Medical Education, had just been told the classic warning signals of autism in infants, and the case study bristled with red flags:

Jasmine is a two-year-old child who loves Baby Einstein videos. When her mom puts them on, she sits and watches the whole thing and doesn’t make a sound. Her mom says it is a great way to cook because she knows her daughter will be in front of the TV. The only thing Jasmine’s mom notices is that Jasmine waves her arms around when the video begins. Her mom stated that when the TV is on another children’s show, Jasmine will kick and scream until her mom puts on her video. According to her mom, Jasmine doesn’t like to be hugged or cuddled, and she prefers to throw objects instead of playing with them purposefully. Her mom has had Jasmine’s hearing tested, because she was not responding to her name and it appeared as if she couldn’t hear – but the hearing is fine.

EARLY ACTION: The earlier that occupational therapists like Catherine Noble Colucci screen for developmental challenges, the more effective their approach can be.

“Did you see any signs?” Lochner asked her fellow classmates.

The students saw a number of them. And they began discussing some of the classic indicators of autism, one of a range of neurobiological impairments and developmental challenges that occupational therapists increasingly are called upon to understand and work through with their clients. Autism, in particular, is on the rise — especially in New Jersey. For whatever reason — whether because of widespread testing or because the state is among the most densely populated in the country — New Jersey records the highest number of children with autism of any state. A recent survey found that one of

Photo by Michael Paras





HARD WORK: Graduate student Gina Delesantro says the field requires people who are “highly motivated” to bring about change.

The Children’s Center, a program of the Cerebral Palsy Association of Middlesex County in Edison, N.J. With 500 employees in 25 locations throughout the state, the association helps more than 1,000 infants, children and adults each year with a variety of disabilities. Clark’s group specializes in infants and toddlers with developmental disabilities and delays.

Clark says the team approach adopted by the center and Seton Hall began about six years ago when Colucci attended a workshop at the center. Colucci did this, Clark recalls, to “keep herself real, and grounded, with the hands-on therapies she teaches her students.”

“I was impressed with her,” Clark says of Colucci, particularly with her emphasis that

therapy has to “fit into the natural routines of the family.”

That naturalness begins with an “individual family services plan,” based entirely on the family’s concrete goals. One plan involved a mother “who wanted her son to walk down the aisle at his sister’s wedding,” Clark says. Six months later, the two-year-old boy did. “The more prepared we can have our graduates, the more skills they can bring to such highly individualized work,” she adds.

To that end, professor Colucci’s students arrive at the center on Friday mornings to learn about the children and talk with their families. With help from the center’s therapists, the idea is “to help the parent to develop a program in the home” that will prepare the child for the transition to preschool at age three. This family-centered approach means that the child may spend a few hours a week with a staff occupational therapist or Seton Hall student — engaging in activities to hone motor skills and lengthen attention spans. Yet mom and dad ultimately hold the key to reaching developmental milestones such as self-regulation, intimacy, two-way communication, complex communication, emotional ideas and emotional thinking.

Photo by Michael Paras

Her task is to try to understand Cory’s fixation on a particular toy truck, then to coax him to identify the toy with a name.

The process is painstaking, says master’s candidate Vanessa Heugle, who has spent several 45-minute training sessions working with a boy named Cory. Her task, as she sees it, is to try to understand Cory’s fixation on, say, a particular toy truck, then to coax him to identify the toy with a name. “I began to see progress in about a month,” she says. “It may be minimal progress to an outsider, but it was progress.”

Indeed, you have to be “highly motivated,” says Gina Delesantro, another master’s candidate. “It takes so much work to achieve even the slightest change.” Yet the goal of showing “that these children can function on their own as independently as possible” is well worth the effort, says fellow OT student Felissa Schnipper. Aaliyah Muir, another student, agrees, saying “the biggest impact comes in teaching the parent, in showing the parent that the child is capable of many things.”

This is the third year professor Colucci has taught the course on early detection and intervention. One of Seton Hall’s OT graduates, Tiffany Charles ’03/M.S. ’05, took the first such class in 2004. She now works full time with school-age children who have autism and consults for New Jersey’s early intervention program in her “spare time.” How good was her training? “I would have to say that out of all the graduate courses I took, this one was probably the most important

for preparing me for what I’m doing now,” Charles says.

“Being with the families and seeing it from the family perspective” was critical to Charles’ understanding of a syndrome that affects all aspects of a family unit. As an example, she recalls her work with a little boy named Billy, who was diagnosed at just one year and three months of age. Although Billy had initially started to acquire language, he had become completely nonverbal. In typical autistic behavior, he threw temper tantrums when frustrated and wouldn’t eat anything but Cheerios.

Today, Billy has moved on to preschool where he can express himself in two- or three-word sentences such as “I want milk,” eats textured foods like grilled cheese sandwiches and can interact with his peers in play for brief periods. Moreover, he’s showing a lot more affection and allows himself to be hugged by his parents. “It wasn’t a miracle,” Charles says of these results, “but he was able to go into daycare.”

Such are the small, but hard-won victories of working with children who have developmental disabilities. “We come into their home and show them how to make it work,” Charles says. Parents appreciate the results, says the Cerebral Palsy center’s Anne Clark. “I had one mom call me and tell me that Tiffany’s the best therapist she’s ever had.”

Bob Gilbert is a writer based in Connecticut.

EARLY SIGNPOSTS OF HEALTHY DEVELOPMENT

The Interdisciplinary Council for Developmental and Learning Disorders and the Centers for Disease Control have developed a framework for the early screening and prevention of developmental or emotional challenges.

They advise parents, healthcare providers and other caregivers to look for specific social and emotional development milestones that occur between a child and a caregiver when the child is developing in a healthy way.

The milestones include:

- The parent/caregiver is able to help the infant calm (first 3 months)
- The baby looks toward the parent when the parent is smiling and giving the baby interesting looks (first 3 months)
- The baby is usually happy and making interesting sounds when he or she sees the parent (3 to 5 months)

- The baby initiates interactions with sounds or smiles and then responds with more sounds or smiles after the parent responds (8 to 18 months)
- The toddler takes delight in showing the parent a toy or favorite picture in a book (8 to 18 months)
- The toddler engages in pretend play like feeding a doll or having a doll ride in a car (18 to 48 months)

Visit www.icdl.com for more information.



you win some, you lose some

During season three of *American Idol*, voters cut singer Jennifer Hudson from the program halfway through the competition. Yet, just a year later, she landed a coveted role in the movie *Dreamgirls* and went on to win an Oscar for her performance, moving quickly from unexpected loss to stunning, redemptive victory.

Not everyone plays out their disappointments and successes so publicly, but we all have to deal with those moments when things don't turn out the way we want. How do we cope with loss? How can we turn it to our advantage? *Seton Hall* magazine asked several of our coaches, who are in the business of winning and losing, how they view the L-word, and how they make defeat work for them and their teams. Here's what they had to say.

Manfred Schellscheidt, Head Coach, Men's Soccer

People often think a loss is a catastrophe. I see it differently. I look at mistakes as road signs that point you in the right direction. We all make mistakes. The question is: Do we learn from our mistakes? Do



we get better as we go along? A fear of failing can be devastating. We try to minimize that fear as much as we can and dwell on the good things a player brings to the team instead of the things he cannot do. The more we can get busy doing the things we are good at, the less we have to worry about the few mistakes we make.

As far as the team is concerned, we believe that in the end we didn't lose for the few

mistakes we made during the game. If we lose, we probably lost for all the things we never did. Because we don't pretend we are perfect, we can use every day to make ourselves a little better.



Rob Sheppard, Head Coach, Baseball

Losses are a learning experience. They're an opportunity to recognize your shortcomings. At the same time you get a better feel for who you are and what you're about.

We tell our players that sports are a microcosm of life. You are going to run into some ups and downs, failures and disappointments. It's how you react to those disappointments that determines success in life.

Whether it's an athlete responding to a loss, an individual dealing with a health crisis, or a businessperson dealing with a disappointment at work, it's all the same. You have to make yourself stronger and move forward. You can't just sit there and harp on the negative. You have to realize you're going to get better.

Attitude is everything. If you have a good attitude toward a loss or a personal disappointment, you will come through the experience as a much stronger person.

Ray Vander May, Head Coach, Softball

I think the key is to work harder. Usually, a loss is a result of mistakes; so you go back to work on correcting the things that went wrong.

Often losing can be a result of a few different factors; sometimes there are injuries, off-field or personal issues, and sometimes it just happens because your competition is better than you. You need to look at all the factors that contribute to what has happened and figure out why a loss is a loss. Our team does the same thing when we win. We don't win a game and think we're perfect and that there is no room to improve. The whole idea is that you can always improve and get better at what you do.



| ATHLETIC COMMUNICATIONS

Sound OFF

Do you think women have as much opportunity as men to advance in the sports business?

Yes **39%**

No **54%**

No answer **7%**

Do you think opportunities for women have increased in the sports business over the last 20 years?

Yes **92%**

No **5%**

No answer **3%**

Do you think women should have the same resources and opportunities to compete in inter-collegiate sports as men do?

Yes **86%**

No **11%**

No answer **3%**

Did you follow the recent confession of performance-enhancing drug use by Olympic track and field athlete Marion Jones?

Yes **60%**

No **39%**

No answer **1%**

Do you think Marion Jones should have been stripped of her Olympic medals after her admitted use of performance-enhancing drugs during the 2000 Olympics?

Yes **81%**

No **14%**

No answer **5%**

On the U.S. relay team, other runners were not guilty of using steroids, while Jones was. Should the other runners be stripped of their medals as well?

Yes **22%**

No **75%**

No answer **3%**

Six hundred twenty-six randomly selected adults from the general public were interviewed as part of the Seton Hall Sports Poll Conducted by The Sharkey Institute.

up next

SPRING SPORTS PREVIEWS

BASEBALL

Last year brought plenty of good news about Pirate baseball. The team ended the season 8.5 games better than the previous year, and in June, Major League Baseball’s amateur draft snapped up pitchers Dan McDonald and Dan Merklinger.

Coach Rob Sheppard expects to sustain the positive momentum this season, confident that the current team can get even better. “We have returning players with a lot of experience in the BIG EAST,” he says, “along with a freshmen class that will make an immediate impact.”

On the pitcher’s mound, Sheppard will look to left-handed junior Corey Young, right-handed juniors Greg Miller and Keith Cantwell, and right-handed sophomore Sean Black, to improve on their impressive performances of 2007. These four players collectively won 13 games, tossing 228 innings, and striking out 198 batters in the process. Cantwell led the

team with a 2.95 ERA and two complete games.

Offensively, the Pirates will turn to Miller, senior corner infielder Mark Pappas, and junior catcher Chris Affinito to lead the team. Miller, who pulls double-duty as an everyday right fielder and pitcher, led the team with 50 games

played and four triples, while placing second on the team with a .312 batting average. Pappas led the team with a .314 batting average and tied for second, with Miller, in doubles with nine. Affinito, who is coming off a strong summer and fall, will be the top catcher for the team.



SOFTBALL

Seton Hall’s softball team returns for the 2007-08 season with many of last year’s players and added depth in the pitching staff.

Senior Jenna Best and junior Kealan Waldron are back after leading the team in most offensive categories a year ago. Best, a member of BIG EAST championship teams in 2004 and 2005, last year hit .262 with three home runs and 18 RBI. Waldron tied a school record with a 12-game hitting streak en route to batting .273 with 11 doubles and 17 RBI.

Junior Kim Schweitzer carried the bulk of the pitching duty load last season, throwing 202.1 innings, picking up 13 wins, and posting a 4.01 ERA. “I’ve seen a big improvement with Kim this past fall,” head coach Ray Vander May said. “This year she is showing so much maturity and has more confidence. Kim competed for us very strongly all year, but I think she will benefit from having a full crop of pitchers to help her out.”

Pitchers Katie Stilwell and Ashley Forsyth, who will be used primarily out of the bullpen, have been added to the team, as well as Brittany Schillizzi, who is slated to begin the season at shortstop. Nalin Bennett and Michelle Reed earned two starting spots in the outfield after a strong fall season.

“Brittany Schillizzi could be one of the strongest infielders we’ve had at Seton Hall,” Vander May said. “Michelle and Nalin add speed that we did not have last year, and we’ve solidified our pitching with Ashley and Katie.”



TRACK AND FIELD

With eight BIG EAST champions, four men’s IC4A champions, and eight NCAA regional qualifiers on the team, the 2007-08 season promises to be a renaissance year for track and field at Seton Hall.

Senior Greg Gomes is a two-time defending 500-meter BIG EAST indoor champion. Also returning is junior Rob Novak, who won the 1,000-meter run at the BIG EAST indoor championships. Last year’s men’s BIG EAST indoor champion 4x400-meter relay team stayed intact and has received national attention in the preseason. The women’s BIG EAST outdoor 4x400-meter relay team lost just one member and should be among the best in the region.

“Our goal this year is to crack the top four in the BIG EAST on both the men’s and women’s side,” said John Moon, the team’s head coach. “Last year our goal was just to qualify for the Big Dance (NCAA National Championships). Now I think we are ready to turn some heads.”

Though Moon has high expectations, he believes the athletes’ times do not lie. “I say a lot of my athletes are amongst the best in the BIG EAST,” said Moon. “I hate saying that, but when I look at their times and compare them with the top people in the conference, we’re right there.

“What I like about the team is the enthusiasm, they want to get out there right away and try and beat somebody and that’s good. They want to say, ‘Seton Hall is back!’ “

GOLF

After a strong start to the season, the golf team is gearing up for the BIG EAST championships this spring; the Pirates finished in the top-five in five out of six tournaments this fall.

Senior Kyle Morris, a three-year standout at Seton Hall, was the team’s low-scorer in three fall events. Junior John Zur, along with sophomores David Sampson and Ryan Castanet, showed considerable improvement and should help Seton Hall contend in more events this spring.

TENNIS

With a new head coach — Greg Wyzykowski — the tennis team expects to perform well in the BIG EAST this year. Seton Hall placed ninth at the BIG EAST Championships last year, and will use that experience to improve its finish this season.

During the fall, sophomores Denise Liebschner and junior Danielle Viola earned trips to the ITA regionals in both the singles and doubles competition. Each won a solo first-round match before falling in the next round. In doubles play, the pair lost their opening contest.

| ATHLETIC COMMUNICATIONS



Gearing up for the Season: (From left) The Pirates will look to Mark Pappas (16) to shore up the offense and to Keith Cantwell (25) to build on last season’s strong pitching. The softball team enters its season with more depth in the pitching staff. Tennis player Danielle Viola is looking to repeat her impressive performance from the fall. Greg Gomes, a senior, is a two-time defending 500-meter BIG EAST indoor champ.

What Difference Does a Campaign Make?

LET US SHOW YOU THE WAYS.

When the *Ever Forward* fundraising campaign closed in December, it raised more than \$150 million, securing more than two and a half times the amount the University had raised in its two previous campaigns combined. Over seven years, 26,558 people, companies and foundations contributed to funds that support financial aid, scholarships, new building initiatives, campus renovations and the expansion of academic programs. (See chart for more details.)

But beyond the impressive dollar figures lie hundreds of more intimate stories, personal narratives that illustrate how the money raised sends ripples through the lives of Seton Hall's students and faculty to make meaningful change. The assistance a donation offers may last a relatively short amount of time, as in the case of funds used for upgrades to computer software. Or its influence may endure for a century or more, if for example, it contributed to the construction of an academic building. The accounts that follow focus on select individuals and programs touched by contributors' generosity and show both the tangible and intangible gifts that have been shared.

Photo by Peter Field Peck

A Shot at the Big Time

James Gurr traveled nearly 10,000 miles to Seton Hall to pursue a dream. The track star from Sydney, Australia, runs the 800 meters and long ago set his sights on competing in the Olympics. His best shot at making that happen, he believed, was coming here to run under the direction of John Marshall, an assistant track coach. (Gurr says he knew that Marshall had trained fellow Australian Casey Vincent and had helped the other runner reach his second Olympics.) An athletic scholarship made it possible for Gurr to transfer here as a sophomore from the Australian College of Physical Education. As this issue went to press, Gurr, now a junior, was traveling to Brisbane, Australia, to compete in his native country's Olympic trials.





Health Screenings
for Local Children

For the past two years, a group of Irvington preschoolers have received much-needed speech, language and hearing screenings thanks to a program called Project KIDS. This year, a group of 28 graduate students in the School of Graduate Medical Education’s speech-language pathology program performed hands-on evaluations of 200 children in the Irvington Preschool Academy and Augusta Preschool Academy, recommending that 110 children receive follow-up treatment or evaluation. In one notable case, a child was referred quickly to a doctor, underwent surgery and has improved hearing today.

Brian Shulman, dean of the School of Graduate Medical Education ▲

The Degree She Wanted



Irma Johnson, M.P.A. '05, was drawn to the Department of Public and Healthcare Administration because it emphasizes nonprofit management. After college, Johnson worked helping at-risk youth, including teenage mothers and battered women in New York City. But she wanted to make a larger impact by making grants to nonprofits, and though a Seton Hall education was part of her plan, financially it was out of reach. She enrolled in a program at a New York university for a time, but knew Seton Hall was what she really wanted. Eventually, a scholarship allowed her to reach her goal. Now a program associate at the United Way of New York City, Johnson has succeeded in broadening her scope and helps ever more people through her work. “As the first woman in my family to earn a college degree,” she says, “I was determined to use it and my talents to make a difference in my community.” That she has. ►

Ever Forward: Up Close

Endowment The \$40.1 million raised will fund scholarships, professorships and University programs.	Annual Funds The combined University, Seminary, Pirate Blue and Law funds will support scholarships, financial aid, technology, library acquisitions, student life, faculty development and campus beautification.	Campus Improvements Numerous campus landmarks have been or will be renovated, including the Chapel of the Immaculate Conception, the University Center and parts of the Richie Regan Recreation and Athletic Center.	New Building Projects Construction projects include the \$35 million Science and Technology Center and a proposed new home for the John C. Whitehead School of Diplomacy and International Relations.	Spiritual and Cultural Centers Specific donations established the Center for Vocation and Servant Leadership, the Charles and Joan Alberto Italian Studies Institute and the Joseph A. Unanue Latino Institute.	Endowed Professorships Both the Joseph M. and Geraldine C. La Motta Chair in Italian Studies and the Cooperman-Ross Chair in Jewish-Christian Studies were established.
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A New Lease on Life

Before the fitness center in the Richie Regan Recreation and Athletic Center was renovated in 2006, 400 people a day worked out on its cardio machines or lifted weights; now 800 people do. One of them is **J.T. Thomas**, a Seton Hall senior who can be found exercising at 7 a.m., five days a week. Since the gym's makeover, the business major has logged hundreds of hours weight training, biking or running. As a result, Thomas has lost more than 100 pounds and transformed his life, changing not only what he eats but also how he spends his time. He now aspires to a career in athletics, helping others to eat well and condition their bodies. Of his time spent exercising, he says, "It led me to what I want to do with my life. I found a purpose."



The Gift of Peace of Mind

During high school, **Solomon Sarfo** spent a summer working in the lab of Seton Hall professor Robert Augustine, Ph.D., as part of a national program for promising chemistry students. When it came time to choose colleges, Sarfo chose Seton Hall. But once he arrived, he faced daunting challenges to make ends meet; he worked on campus in a chemistry lab and took a job on the midnight shift at Newark Liberty International Airport in addition to taking a full class load. "Fatigue was a problem," the college senior says now. A series of partial scholarships, given through the *Ever Forward* campaign, allowed Sarfo to concentrate more fully on his schoolwork. It eased me up psychologically, he says. Sarfo, who was born in Ghana, hopes to go back to Ghana eventually to help make life better there for women and children. And he certainly won't forget those who helped make his own future a little brighter. He says of his benefactors: "Without them, I wouldn't have made it." ◀

Photos by Peter Field Peck and Leo Sorel

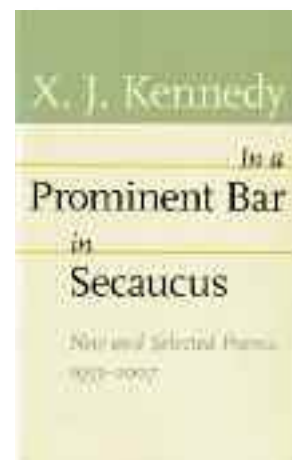
A Celebration of Latino Culture

SETON HALL MAGAZINE | WINTER/SPRING 2008

Seton Hall's newly created Joseph A. Unanue Latino Institute "celebrates the many accomplishments of Latinos and the Latino experience," says its director, **Ileana Rodriguez, Ph.D.** With its goal of highlighting the contributions Latinos make in the arts and literature as well as science and business, the institute has hosted one exhibit loaned by New York's El Museo del Barrio that included carved and wooden figures of saints from Puerto Rico and another exhibit that featured a private collection of nativities from Latin America and Spain. Students play an active role in many of the institute's projects; they organized a fundraiser that raised money for victims of Peru's 2007 earthquake and in January a dozen students marched with Rodriguez in New York City's Three Kings Day parade. Next up are the institute's official inauguration and plans for a Latino Studies major to launch this fall. ▼



pirates in print



Dead by All Appearances

By John Dandola '73 (Compass Point Mysteries, \$14.95)

Set in 1942, this mystery novel takes place on the rocky coastline of Massachusetts where sleuth Tony Del Plato and MGM publicity girl Edie Koslow investigate odd occurrences at the castle laboratory of millionaire inventor John Hays Hammond Jr. The intricate story involves murder, espionage, local gangsters and actress Marjorie Reynolds, who is promoting her new film, *Holiday Inn*. Also in the thick of things is a character patterned and named after Seton Hall's own theater professor, James P. McGlone.

Africa and IMF Conditionality: The Unevenness of Compliance, 1983-2000

By Kwame Akonor, Ph.D., assistant professor of political science (Routledge, \$120)

Ghana was one of the first African countries to adopt a comprehensive economic reform program established by the International Monetary Fund. The program, aimed at reducing a country's fiscal imbalances, sets economic targets for a country to meet in order to obtain loans from the IMF. Ghana has sustained its program longer than any other country on the African continent, but at a high political cost. Akonor argues that understanding a country's political environment is crucial in explaining why a country complies, or doesn't, with the economic reform program.

In a Prominent Bar in Secaucus: New and Selected Poems, 1955-2007

By X. J. Kennedy '50 (The Johns Hopkins University Press, \$18.95)

Kennedy has long been praised for his wit and humor. This comprehensive collection, which spans the poet's career, showcases his best work and includes songs, lyrics and poems that tell poignant stories.

Presidential Secrecy and the Law

By Robert M. Pallitto, Ph.D., assistant professor of political science, and William G. Weaver (The Johns Hopkins University Press, \$25)

State secrets, warrantless investigations and wiretaps, signing statements, executive privilege — the executive branch wields many tools for secrecy. Most people believe that some degree of governmental secrecy is necessary. This book attempts to answer "How much is too much?" by examining the history of executive branch efforts to consolidate power through information control.

To Enlarge the Machinery of Government: Congressional Debates and the Growth of the American State, 1858-1891

By William James Hull Hoffer, J.D., Ph.D., assistant professor of history (The Johns Hopkins University Press, \$55)

This book attempts to answer how the federal government changed from the weak apparatus of the antebellum period to the large, administrative state of the Progressive Era by exploring the daily proceedings of the U.S. House and Senate from 1858 to 1891. This era of congressional thought, Hoffer contends, offers insight into how conceptions of American uniqueness contributed to the shape of the federal government.

Feminist Interpretations of Augustine

Edited by Judith Chelius Stark, Ph.D., professor of philosophy, (Penn State University Press, \$35)

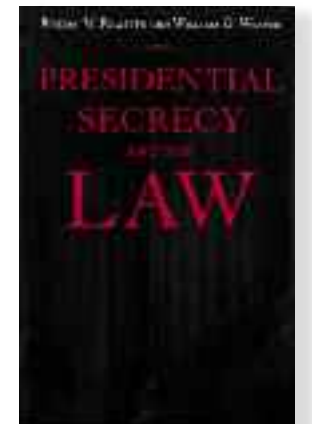
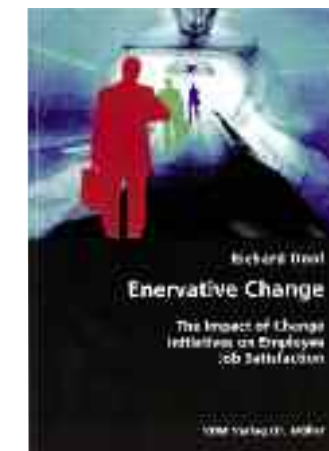
St. Augustine of Hippo (354-430), philosopher and theologian, was one of the most important figures in the development of Western Christianity. In this book, contemporary women scholars from a variety of humanities disciplines explore how Augustine's view of sexuality, gender and women has shaped the Western cultural, philosophical and religious landscape.

Enervative Change: The Impact of Change Initiatives on Employee Job Satisfaction

By Richard Dool, Ph.D., assistant professor and director of the graduate communication program (VDM Verlag Dr. Müller, \$64)

This book offers primary research on the impact of stress related to continuous change, which the author calls "enervative change;" it looks specifically at work-related stress and its influence on job satisfaction. The author utilized military research on combat stress and proposes a new framework for change management that employers can use to decrease the negative impact of enervative change on employee satisfaction.

Book descriptions contain direct quotes from book covers and publisher-provided materials.



CALLING ALL AUTHORS

If you've recently written a book, send a review copy and your information to **Seton Hall magazine**, 457 Centre Street, South Orange, N.J. 07079. For information on guidelines, write to SHUwriter@shu.edu

alumni



Kelly Flock '06 married Brian J. Viola on Nov. 10, 2007.

1940s

Bert Abbazia '49, of Summit, N.J., published *Niagara Rapid Transit*, a book about William Kondrat.

1950s

Edward R. Barbarito '50, of Pequannock, N.J., presented “Workshops on the Masks of Thomas Merton, a Prophet-like Person.” ... **Gene Fiducia '50**, of Margate City, N.J., the assistant fencing coach at St. Augustine Prep in Richland, N.J., and an active fencer in the South Jersey division of the United States Fencing Association, has been named a top-10 veteran fencer during the past 15 years. ... **Edward S. Cooke '52**, of Miami, Fla., was recently elected to a seat on the national board of the United Nations Association of the USA, a U.N. support organization. ... **Hugh J. O’Gorman '52/J.D. '55**, of Morristown, N.J., received the Jack O’Brien service award from the New Jersey State Bar Association for his contributions as a trial attorney to the field of workers compensation law. **Robert M. Keegan '54**, of Quakertown, Pa.,

was recently ranked number one in the world in the 70-74 age bracket for the 60-meter run, with a time of 8.45 seconds. ... **Raymond D. Aumack '59**, of Montclair, N.J., was recently inducted by St. Peter’s Prep in Jersey City, N.J., as one of its “Legends of Prep.” Aumack has published an essay in *America* magazine and poetry in newspapers, periodicals and six anthologies.

1960s

Vincent Tripi (Garzilli) '64, of Greenfield, Mass., published a collection of his poems in his latest book, *Paperweight for Nothing*. ... **Daniel E. Hearn '68**, of Williamsburg, Va., graduated with honors from the Graduate School of Banking at the University of Colorado, Boulder. He graduated in the top 10 percent of his class and was recognized as one of 14 honor students. Hearn had been given an academic scholarship from the Conference of State Bank Supervisors to attend the school. ... **Daniel J. Kocsis '69**, of Concord, N.H., sang the national anthem in September 2007 before a crowd of 36,000 at Fenway Park. ... **Donald R. Thomas, M.A.E. '69**, of South Orange, N.J., published *What, Exactly, Is the Answer? An Educator Examines the World of Fact and the World of Faith*.

1970s

Kathleen DeRose '72, of Ridgefield Park, N.J., was given a Poet of the Year award. ... **Roger P. Kindel '72/M.S. '76**, of West Orange, N.J., was honored by Fairleigh Dickinson University for 30 years of service. Associate athletic director on the College at Florham campus and the men’s basketball coach for 28 seasons, Kindel earned a 334 win-353 loss record, made seven postseason appearances, and was named coach of the year five times by various organizations. **Anthony F. Picheca Jr. '73**, of Far Hills, N.J., was nominated by Gov. Jon S. Corzine to serve as a full-time judge of the Superior Court of New Jersey. ... **Dr. James McCreath '74**, of Hawthorne, N.J., has become the president/chief executive officer of Hall-Brooke Behavioral Health Services in Westport, Conn. ... **Dr. Christine Nevin-Woods '74**, of Pueblo, Colo., has become a fellow at the American College of Preventive Medicine and

recently published an article in the journal *Circulation*. ... **Kathi F. Fleming '76/J.D. '79**, of Kenilworth, N.J., was elected to a four-year term as mayor of Kenilworth. ... **John D. Hayes '76**, of Allendale, N.J., spoke at the Executive Council’s seminar “The Localization of Globalization: An Innovator’s Paradox.” ... **Gary M. Ciuba '77**, of Greene, Ohio, published his second book, *Desire, Violence, and Divinity in Modern Southern Fiction*. ... **Ralph J. Monaco, M.B.A. '79**, of Ramsey, N.J., was appointed chief financial officer of Capintec, Inc.

1980s

Dominick C. Catena '80, of Brick, N.J., was rehired as the planogram manager by Drug Fair Group. Catena will oversee the chain’s visual presentations of store merchandise. ... **Nancy Redeker '80/M.S.N. '86/Ph.D.**, of Union, N.J., was recently appointed associate dean for scholarly affairs and professor at Yale University School of Nursing. ... **Kevin J. Walsh, Ed.S. '80/Ed.D. '84**, of Hackettstown, N.J., accepted a position as assistant professor at William Patterson University in the department of educational leadership. ... **Bernadette (Kociolek) Sohler '81**, of Colonia, N.J., has been promoted to vice president of corporate affairs at the Middlesex Water Company. ... **Elizabeth (Tremallo) Kapp '82**, of Morris Plains, N.J., celebrated 25 years of marriage to her husband, Justin, in June 2007. ... **Anselm LeBourne '82**, of Maplewood, N.J., competed in the World Masters Track and Field Championships in Italy where he won gold and silver medals in the 800 and 1,500 meters. ... **Michael P. Keith, M.B.A. '84**, of Charlotte, N.C., acquired Statesville Printers, Inc. ... **Rosemary D. Parisi '84**, of Budd Lake, N.J., graduated summa cum laude from Centenary College with teaching certificates in elementary education, English and special education. Parisi was also awarded a leadership award and was acknowledged by Who’s Who Among Professional Women and Who’s Who in American Universities. ... **Joseph G. Galioto '86**, of Branchburg, N.J., completed the Vermont 100 Mile endurance race, raising more than \$13,000 for the Leukemia and Lymphoma Society. ... **Father Andrew S. HvozdoVIC, M.D.M. '86**, of Sayre, Pa., was re-elected to serve a second term as supreme chaplain of the Slovak Catholic Sokol, a fraternal benefit insurance society based in Passaic. ... **Margaret Raymond-Flood '88**, of Ringoes, N.J., spoke at a seminar titled “E-Discovery: Is Your Business Ready to Navigate Through the Minefield?” sponsored by the Somerville law firm of Norris McLaughlin & Marcus, PA. ... **Michael J. Ryan '89**, of Bradford, Mass., became full-time president of Lucky Clean, a janitorial services company he started four years ago.



alumni profile

New Horizons: Emily Crawford '07 fell in love with the country and people of Jordan after spending a semester there during college. Feeling she was “not done with the place,” she went back last summer to immerse herself fully in the Arabic culture. She made the decision to live in Amman for a year not only to discover Jordan on a deeper level, but also to learn more about herself.

In Their Words: Crawford set a goal to learn to speak Arabic comfortably. “I can already turn down cab drivers’ marriage proposals and go grocery shopping easily,” she says. For day-to-day tasks like navigating public transportation, shopping and paying bills, she uses a colloquial Jordanian and Palestinian dialect. Most people

in West Amman speak at least functional English, though, and she speaks English with her friends and work colleagues.

Earning a Living: Her current life “isn’t all about fun,” she says. She works at the National Institute for Training and teaches conversational English to government employees. With this and other jobs she’s found, she makes about \$650 (in U.S dollars) a month and has little money for things other than rent, cellphone service, food and transportation. The financial constraints don’t discourage Crawford, though. She says “adventure, as well as distance from home itself, means self-discovery and the ability to consider my own culture with a bit more distance and objectivity.”

Culinary Delights: Crawford has enjoyed sampling the food, and counts fuul, an earthy fava bean paste with olive oil, as a favorite. She also loves makloobeh, which means “upside down,” and is made by cooking rice, eggplant, carrots or cauliflower together in a huge pot with boiled chicken or lamb. The trick in cooking it, she says, “is not to burn the bottom-most layer of rice.” Dumping the whole pot over on a wide circular tray also requires skill. Her most exotic culinary experience so far came when she lived with a Bedouin family for a week and involved drinking camel milk straight from the source.

Looking Ahead: When Crawford returns to the U.S. she hopes to find a yearlong fellowship program in Washington. After that, she plans to apply to graduate school and work for a nonprofit that specializes in Catholic nonviolence and peace sustainability.

| ISABEL BAUER
Photo by John Cox

1990s

Yolanda (Murray) Caldwell '91, of Glenmont, N.Y., was elected to the Bethlehem Public Library Board for a five-year term. ... **Nicholas R. Malefyt '92**, of West Caldwell, N.J., opened All-Star Taekwon-Do, LLC in Fairfield, offering martial arts and self-defense instruction for adults and children. ... **Maria (Antonucci) Pattavina '92**, of Hancock, N.H., opened an independent family-care office where she is a nurse practitioner. ... **Andrea Lyn (Cammarato) Van Benschoten '92**, of Wharton, N.J., and her husband, Glenn, have published the fly-tying booklet *Ten Flies, Simple Ties*, which offers fly-tying techniques for both the beginner and the experienced tyer. ... **Alicia (Camlibel) Carey'93/Ph.D. '99**, of Bedminster, N.J., opened a psychotherapy practice in Liberty Corner, N.J., specializing in the treatment of children, adolescents and families. ... **Helen M. Struble, Ed.D. '93**, of Butler, N.J., published her second book, *Don't Dance in a Small Boat*. ... **Joseph W. Ferraro III '94**, of West Orange, N.J., was promoted to vice president, associate general counsel and legal officer of International Securities Exchange in New York City. ... **Robert Torcivia '94**, of Rockaway, N.J., is part of a financial advisory team at Smith Barney that was included in *Research* magazine's national survey, "The Winner's Circle, Winning Teams," which

Gerard M. Garvey '90, of Northfield Center, Ohio, was promoted in April 2007 to lieutenant colonel in Ohio's National Guard. On military leave from General Electric, Garvey is preparing to deploy overseas in early 2008 to support the war in Iraq.

ranks the top financial adviser teams in the country. Torcivia's four-member team, which includes members of his family, was ranked #19 of the 75 top family teams in the country. ... **Thomas Kesoglou '95**, of Hillsdale, N.J., was elected to partner at the law firm of McCarter & English, LLP. ... **Lucinda M. (Ferrerri) Pantano '95**, of Hillsborough, N.J., was selected for the 11th edition of Who's Who Among American Teachers, 2006/2007. Pantano received a master's degree from St. John's University in 1998 and has taught literacy to at-risk students at Hillsborough Middle School for 13 years. ... **James F. Lawrence '96**, of Atlanta, Ga., received several awards in 2007, including the national Excellence in Leadership Award from the National Conference of Gerontological Nurse Practitioners. Lawrence

currently serves as the national chair of a gerontology expert panel at the American Nurses Credentialing Center. ... **Thomas B. Woodard '96**, of Somerset, N.J., received his M.B.A. from William Paterson University and a certificate in healthcare administration from Seton Hall University. ... **Ahmed A. Maghrabi '97**, of Falls Church, Va., earned a D.Sc. in engineering management from George Washington University in May 2007. ... **Terese (Gardenier) Miletic '97**, of Fort Lee, N.J., was promoted to senior vice president at North Fork Bank/Capital One and is now responsible for escrow management services for the New Jersey division. ... **Wendy S. Murray '97**, of Verona, N.J., was promoted to assistant vice president, insurance systems analysis at Endurance Worldwide Insurance. ... **Carrie A. Davey '98**, of Kenilworth, N.J., received the highest honor bestowed by the Council for Art Education, Inc., the Claire Flanagan Memorial (Grand) Award. ... **Melissa (Faulkner) Frantz '98/M.S.N. '04**, of Bethlehem, Pa., was appointed director of career planning at Cedar Crest College. ... **Brian C. Joho, M.B.A. '98**, of Kenilworth, N.J., was elected to a three-year term as councilman in Kenilworth. ... **Daniel A. Clarkin '99**, of South Orange, N.J., was hired as an associate in the securities litigation group of the law firm of Winget, Spadafora & Schwartzberg, LLP. ... **Scott J. Motta '99/M.B.A. '00**, of Secaucus, N.J., is a chartered financial analyst and works as a fixed analyst at Prudential Financial. ... **Nicole (Ultimo) Olaya '99**, of Clifton, N.J., a commercial credit analyst for the mid-Atlantic region of TD Banknorth, was promoted to level II analyst in July 2007. ... **Angela (Magliocchetti) Yessis '99**, of Allendale, N.J., received an M.B.A. from Montclair State University in December 2006.

2000s

Felicia (Robinson) Baker '00, of Plainfield, N.J., is a travel agent for R&B travel in Plainfield. ... **Randall G. Koch, M.P.A. '00**, of Garfield, N.J., was inducted into the Garfield High School Academic Hall of Fame based on his career accomplishments, community and national service, personal excellence and lifelong learning. ... **Santiago A. Fernandez '01**, of Jersey City, N.J., accepted a legal counsel position at Macy's. ... **Ryan P. Killeen, M.A.E. '01**, of Bradley Beach, N.J., has been named principal of St. Paul School in Princeton. ... **Rosann Allen '02**, of Egg Harbor Township, N.J., joined the law firm of Goldenberg, Mackler, Sayegh, Mintz, Pfeffer, Bonchi & Gill as an associate attorney; Allen will focus on commercial litigation and real estate. ... **Jeffrey W. Mead '02**, of Union City, N.J., was named assistant athletic



school, Confessore auditioned to do the voice-over for a local cable company's television commercial. She was hired on the spot and has since worked with Comcast and Cablevision, among others.

Established Professional:

Over the past 20 years, Confessore has lent her voice to such products as Fleischmann's Margarine, Hot Pockets, Ricola cough drops and the Hudson Toyota auto dealership. Confessore's voice also greets callers on hold for Madison Square Garden, Radio City Music Hall and numerous banks and doctor's offices. She performs on-camera, too, and has appeared in television commercials — most recently for Drive One, a car dealership in Pennsylvania. But she prefers voice-over to on-camera work "because there's no make-up, no wardrobe and it takes up less time."

Change as a Constant:

What Confessore values most about her work is the variety of assignments she gets. "I'm never working in the same place for long. It takes about two hours to record a 60-second commercial in the recording studio." Confessore enjoys working with sound engineers and loves to take on all kinds of personas — ranging from sexy to mother-like. Being a freelance artist also allows her to spend more time with her five-year-old son, Spencer.

Finding Herself: "I found my voice at Seton Hall," she says.

| ISABEL BAUER
Photo by Bob Masiello

alumni profile

Big Gig: If you have used a cellphone recently, you may have heard the voice of fellow alum Aleta Confessore '83. She is the voice callers hear when they navigate through the customer service options on a major wireless carrier's network.

Early Encouragement: Confessore majored in communication and enjoyed being a voice talent even in college. She eagerly volunteered to do voice-overs for fellow classmates' television projects. Getting experience at Seton Hall, she says, gave her "the necessary confidence to go out there right away and work." Fresh out of

director for media relations at Long Island University's Brooklyn campus. ... **Brian J. Pyhel, M.B.A. '03**, of Millstone Township, N.J., an analyst at BlackRock, became a certified financial analyst in the fall of 2007. ... **Patricia M. Cetrano '04**, of Houston, Texas, has received two master's degrees from the University of Houston over the past several years: one in psychology with a focus on women's studies and another in healthcare administration. ... **Eric F. Mochnacz '04**, of West Long Branch, N.J., is working as a resident hall director at Monmouth University. ... **R. Michael Lucas, Ed.D. '05**, of Seneca, S.C., was named district superintendent for the school district of Oconee County. ... **Elizabeth Craigg, M.P.A. '06**, of Canoga Park, Calif., completed her master's degree in English literature at California State University, Dominguez Hills, and was recently accepted to Claremont Graduate University's doctoral program in political science, American government and public policy. ... **Brendan L. Donovan '06**, of South Bend, Ind., was hired as a senior staff assistant in the University of Notre Dame's football program. ... **Christopher A. Rotio '06**, of Garfield, N.J., was promoted to regional marketing manager for CareOne, LLC.



All In

This year, every student in the Student Alumni Association donated to the Pirate Blue Athletic Fund, the first time a student group has achieved such a feat. The group hopes other students will follow suit and consider making annual gifts. The association's mission is to increase awareness among students of the benefits of a lifelong relationship with Seton Hall, to foster a sense of pride within the University community, and to foster relationships between students and alumni.

MISSING YOU

Many alumni have disappeared from our records, including the ones below from the class of 1958; they are Golden Pirates this year. If you know their whereabouts or would like to update your own record please visit www.shu.edu/alumni and click on “Missing Alumni: Got Info?”

- Amatelli, Aloysius

Asay, Claude

Ashman, Morton

Baldini, Anthony

Bernstein, Leonard

Brotman, Lillian

Burd, Margaret

Callinan, Peter

Campanalonga, Michael

Campbell, James

Caprari, Theresa

Caruso, Thomas

Cassidy, Alice

Clancy, Joseph

Clarke, Herbert

Clayton, Roger

Colbert, M.

Connelly, Janet

Crimmins, Jayne

Decandia, Joseph

Derosa, Louis

Destories, Maria

Donnell, Gerard

Dowd, Robert

Farrell, Raymond

Ferraro, Mary

Fletcher, Peter

Ford, Mary

Ganteaume, Joseph

Guerin, John

Hickey, Francis

Higgins, Blanche

Iacovantuno, Yolanda

Katzenberger, Rudolph

Kelly, Frances

Killion, Mary

Lally, Paul

Landy, Richard

Law, Ann

Lee, Benedict

Leonardis, Florence

Lichter, Francis
- Lie-kon-tja, Humbert

Lukaszewski, Witold

Mann, Stella

McCann, Elizabeth

McDermott, K.

Melillo, Joseph

Miliano, Patricia

Molitoris, Joseph

Mulpeter, Therese

Murphy, Gerard

Neinstedt, James

Nuccio, V.

O'Connor, John

Ontell, Arthur

Osofsky, Jack

Parker, Elmer

Petracco, Michael

Pocaro, Ralph

Proietto, Paul

Purzycki, Stanley

Quirke, M.

Ramm, Joseph

Reilly, Edward

Rickert, Audrey

Roberts, Mary

Romeo, Donald

Roth, Charles

Ryan, Vincent

Schrage, Arthur

Searles, Kathryn

Shine, Carlos

Simko, Joseph

Sloan, Judith

Stephens, Thomas

Sweeney, Maureen

Tarsitano, Francis

Von Hoene, Robert

Wachowiak, Mary

Wallander, Mary

Watts, Arthur

Wu, Fong

Young, Olive

ALUMNI BENEFITS



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Take photos of yourself with the bandana — while you’re on vacation, with the kids, with other Seton Hall alumni or even when you get married. Submitted photos will be posted on the alumni Web site and will be eligible for placement in *Seton Hall* magazine. (To be run in the magazine, digital photos must be high-resolution JPEG or TIF files that are at least 1MB in size.)

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Hall in the Family

We love to hear stories about the children, grandchildren, nieces or nephews of Seton Hall alumni who attend the University and we’d like to share them with the extended Seton Hall community in the pages of this magazine. If you have a legacy — or “Hall in the Family” — story, please let us know by sending an e-mail to alumni@shu.edu. With your story, please include a photograph. (To be run in the magazine, photos must be digital and high-resolution JPEG or TIF files that are at least 1MB in size.)

Details from the story of David and Patricia Cedrone follow below. (Both graduated in 1974.)



Seton Hall has always held a special place in our lives. We met in our freshman English class in the fall of 1970 and have been together ever since. To this day, we celebrate the anniversary of our first date.

In July 1975, we married, and our wedding Mass was a celebrated liturgy. One of the two priests was the late Father Robert Grady, S.T.D., who had been one of our professors.

Our oldest son chose Siena College over Seton Hall, but our youngest son, Tim, chose Seton Hall because of its dual-admission program (undergrad/law school) and its sport management program. [Patricia’s nephew, Eric, is also an undergraduate.]

Our connection with The Hall is not limited to Tim and Eric’s current enrollment or our status as alumni. I have also had the honor of being taught by Father Anthony Ziccardi, Father Anthony Figueiredo and [the late] Deacon Bill Toth, who have been instructors in the Diaconate Formation Program for the Diocese of Paterson. (I am in my fourth year of study and hope to be ordained in May 2009.)

As you can see, The Hall will never be far from the Cedrone family.

In photo, from left: Tom Cedrone '79, Tim Cedrone '06/J.D. '09, Pat Cedrone (Fitzsimmons) '74, Eric Fitzsimmons '10, Dave Cedrone '74



share your news...

Have you been promoted? Earned an advanced degree? Been honored for professional or personal achievements? Recently married? Added a baby Pirate to the ranks? We want to know! Visit us at www.shu.edu/alumni and share your success. Your news may be published in an upcoming issue of the *Seton Hall* magazine.

If you can’t log on to www.shu.edu/alumni, fill out the form below with your news and send it to:

Seton Hall magazine, Alumni News and Notes
457 Centre St., South Orange, NJ 07079
Fax: (973) 378-2640

Name

Class Year(s) and Degree(s) from Seton Hall

Home Address

Phone

E-Mail Address

News to Share:

Paul Metzger '65 and his wife, Lynne, on top of Mt. Washington.

Growing Pains

China's economic boom has dominated news headlines for years. Indeed, the intense, continual growth has been remarkable. China's economy has sustained average annual growth of more than nine percent over the past 30 years, according to the World Bank, and in 2007 its gross domestic product grew 11.4 percent.

But signs of growing pains have begun to emerge. Quality control in its manufacturing industry became suspect last year when North American companies recalled millions of products — including children's toys and pet food — for safety reasons because the items were made using unsafe Chinese-produced materials. And as Beijing prepares to host the Olympics in August, air pollution has become a high-profile cause for concern.

What price is China paying for its economic miracle? To better understand the costs, *Seton Hall* editor Pegeen Hopkins turned to Jason Yin, professor of management in the Stillman School of Business. Yin, an expert on Chinese economic development and reform, is former president of the Chinese Economist Society, a think tank based in Michigan.

How does China's recent economic growth compare with growth elsewhere? For the last 30 years — since China implemented its “open-door policy” and began economic reform — the country has grown tremendously. China is the leading exporter of manufactured goods and has the largest foreign-currency reserves in the world. Still, the rapid economic growth comes at a very high cost in environmental damage and excessive energy consumption. Consider that in the United States, for example, for every dollar of goods produced, 10 cents of energy are used. In China, 30 cents are used; it's much less efficient.

Here's another way to look at the growth: In 2006, the vice minister of the Chinese State Environmental Protection Administration made comments that said, in effect, that though China had achieved in 30 years the kind of growth Western countries did in 100, the country's awful pollution problem was also created in that same time.

Whether China is worse or better off has to be calculated; it is at a turning point now. The country has to diversify its energy supply to include clean energy resources. And now that energy resources

in general are getting very expensive, energy price increases must be absorbed into the cost of Chinese-made products. This may force China to learn to reduce the amount of energy it consumes and how to preserve its environment.

What environmental damage has China sustained?

Studies say that 75 percent of its water has been polluted. The air is badly polluted and so is the soil. Given the country's air quality, lung cancer and other diseases are becoming major concerns. The Chinese population has begun to realize how important the environment is. There have been a number of incidents in coastal and inland areas, where the water in the lakes is not safe to drink. This caused a turnaround in people's environmental awareness.

So there's a lot of pressure on the government to find a solution. Still, making change is much easier said than done. China lacks the incentive system to reduce pollution and preserve energy resources. For instance, local government officials are usually measured by how much they can produce and the rate of economic growth, not by how well the environment is protected or how much energy resources are saved.

China is experiencing now what Western countries have already gone through. America had similar problems with the Hudson River, which was badly polluted in the beginning of the 20th century and is still not safe to drink. China is repeating the same mistakes on a larger scale; many of them are not reversible and will afflict future generations.

How can China become more environmentally sound?

Government officials have to change their orientation; they still want to talk about GDP and the percentage of output and do not pay enough attention to environmental quality and the waste of energy resources. They also have to give enough incentives to companies so that the companies put in place more environmental protection and energy efficiency. The government has to penalize companies for causing environmental pollution and make the polluters pay for the environmental damage they cause.

What are the implications for the United States? There's a tremendous business opportunity for American companies to work with Chinese companies to increase their energy efficiency and to preserve the environment. Our companies have the experience, and the Chinese (the government and individual companies) have the money to spend. The two countries could cooperate and we could turn a bad thing into something good. Environmental damage and energy inefficiency are not isolated problems. If China does better, everybody benefits. If China does worse, everybody will have to pay.





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