

PROJECT WELCOMES 9 NEW SCHOLARS



Stuyvesant-CCNY Scholarship

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photo by Larry Gralla

Gary Chan Awarded \$24,000 EPA Fellowship for Rooftop Research

Project Scholar **Gary Chan**, a fourth year civil engineering major, is one of 15 undergraduates in the nation to be awarded a Greater Research Opportunity grant from the U.S. Environmental Protection Agency. The fellowship will support continuation of a research project that Gary began one year ago to study the potential benefits of green roofs in the urban environment. A portion of the award will also provide for a three-month summer internship at an EPA facility.

Gary's research began as part of an innovative CCNY program, the Environmental Entrepreneurship Partnership, a joint initiative of the College's School of Engineering and the Economics Department, and was done in collaboration with **Professor Megan B. Wiley**, one of the program's co-founders. This is Gary's second project with EEP.

"Green roofs are emerging as a very effective means of addressing many of the environmental concerns that exist in today's urban centers," Gary explains. "My aim is to demonstrate how they can play a dramatic role in confronting the problems of storm water runoff. In cities such as

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New Project Scholars Ready Themselves for Honors

Through the financial support of Stuyvesant-CCNY alumni, nine new Project scholars will begin their college careers this month.

major. **Cindy Liang**, **Min-Hyeok Lee** and **Karina Li-Feng** are each gearing up for undergraduate studies in the sciences.

Cindy says that she was enthu-



Seven of our new Project Scholars pose for Project NEWS on the day of the Honors College Freshman Orientation. From back- L to R: Lylekar A. Leslie, Emanuel Bierman, Martin Detchkov, Kristina Tsamis. Front- L to R: Cindy Liang, Susan Lee-Kin, Eunice Wong.

(photo by Olga Mikhlina)

A week before classes began, Honors College freshmen convened in the Great Hall for an orientation session. Project NEWS stole a few minutes from the proceedings to gather a group of our Stuyvesant students for a photograph, and find out just a little about their plans for the year. Here's what we know:

Martin Detchkov plans to major in biomedical engineering. **Susan Lee-Kin** will be an architecture

siastic about CCNY even before she found out about the Stuyvesant-CCNY Scholarship. She'd already heard about the Honors Program and how good City's science courses are. She spent part of this summer on the CCNY campus, studying chemistry and physics at the College's Academy for Professional Preparation (CCAP)-- a program specifically designed for incoming science students.

Emanuel Bierman, **Lylekar Leslie**, **Eunice Wong** and **Kristina Tsamis**, will be pursuing the liberal arts. **Kristina** will be majoring in English. After doing some reading and talking to some of the Stuyvesant grads who are

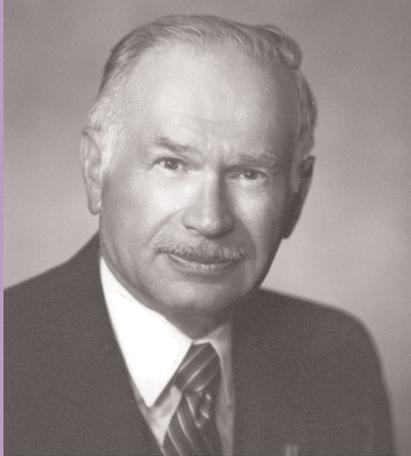
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Stuyvesant and City Were Lands of Opportunity

Nathaniel K. Zelazo, Stuyvesant '36, CCNY '40, recently reminisced for a Stuyvesant High School web site. His words are reprinted here, along with his thoughts and feelings for the college that has meant so much to him throughout his life.



"I did graduate work at Columbia and hold three honorary doctorates but it was Stuyvesant High School and City College that gave me the foundation for my career."

"My family emigrated from Poland in 1928. I was 10 years old. I knew no English and nothing of American culture. But in the bustling neighborhoods of New York, one learned quickly. And when my junior high school teacher suggested I attend Stuyvesant High School, I did not realize how doors of opportunity and wonder would open up to me. Under the care of Stuyvesant's dedicated teachers and staff, I began to explore the world of science. It so captured me that I devoted my life to it.

"Today, I am the founder and Chairman Emeritus of the board of the Astronautics Corporation of America, a design and engineering firm which specializes in displays, computers, guidance and navigation equipment, and avionics, with divisions in Wisconsin, North Carolina, Mexico, Israel and many other places. I am also Chief Executive Officer of the Kearfott Guidance and Navigation Corporation, based in Wayne, New Jersey. Our products are found on military and civilian aircraft, the Space

Shuttle, Air Force One, and in many land and sea applications.

"Stuyvesant gave me the academic foundation I needed to pursue advanced degrees, the spirit of adventure to explore new applications, the courage to launch into new technologies, and the strength to take the risks one must take in order to build a company. When I think of Stuyvesant, it is with a profound feeling of gratitude. We came to this country believing it was the Land of Opportunities, and that is exactly what I found in the halls and classrooms of Stuyvesant HS.

"And without the opportunity City College offered, I could not have gone on to study science at the higher level I continued onto.

"Interestingly, it was an English professor, I believe named Chappes, who comes to my mind. I had to take speech instruction from him to correct my pronunciation of d's, t's, th's and other sounds. I laughed some years later, when I found myself correcting the speech and writing of engineers who had far more formal education than I did. The roles had reversed and I was pointing out the things Dr. Chappes had taught me. I realized that expressing myself well was an important skill in running an international corporation.

"I did graduate work at Columbia and hold three honorary doctorates but it was Stuyvesant High School and City College that gave me the foundation for my career."

Mr. Zelazo will be presented with the Townsend Harris Medal at the 125th Annual Alumni Dinner on October 26, 2005.



College of the City of New York, N. Y.

Incoming Freshmen

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now at The City College, she says, "I realized that City actually has better opportunities for the field I want to get into, in comparison with even the most elite private institutions.

"One student told me that more poets and published writers can be found within the CUNY system [than at many] private universities. Since I plan on pursuing my degree ... with a focus on creative writing, this was a big motivating factor in my choosing to apply to City."

Kristina is particularly looking forward to taking a poetry workshop this year, with **Professor Marilyn Hacker**.

Stay tuned for more news about our 2005 Project Scholars.

READ ALL ABOUT IT!

According to a recent report by the United States Government Accountability Office, the cost of textbooks increased 186% from 1986 to 2004. The average college student now pays about \$900 EVERY YEAR for books.

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Crazy for Mathematics!

Stuyvesant Students Excel in Great Numbers

Team spirit is a big part of high school but how many schools can claim their mathematics team as a major draw? You guessed it. The Stuyvesant High School Math Team has 410 members!

high praise for head coach, **Richard Geller**, the man who “orchestrates the training of these incredible students.”

Top Scorers in Competitions

Fully half of **New York’s Citywide Math Team** are Stuyvesant students, Jaye notes proudly. The NYC team has captured first place in the state’s league competition for the past 25 years. “Nearly all of the top scorers have been Stuy kids.”

This March, first, second and third place in the highly competitive **New York State Math League** competition went to Stuyvesant student math team members. The top two spent the summer in Nebraska training for the **United States Math Olympic Team**.

1,600 For American Competition

In most schools, only a handful of students would give it a try, but this year at Stuyvesant, some 1,600 students signed up to compete in the **American Mathematics Competition**. “This was by far the largest number from any one school in the country. We had to close the school for half a day!” says Jaye.

“We encourage the students to take part,” he explains. “They develop problem-solving skills which help with the SATs and their studies in general.”

Often students work alone or

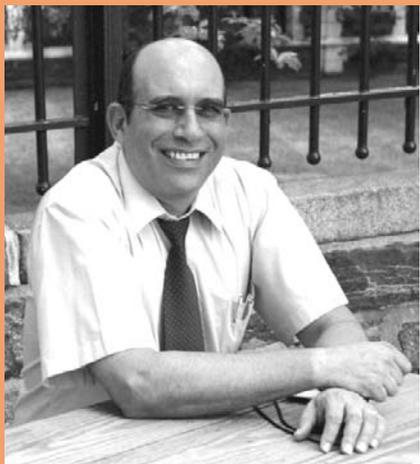
Mathematics Professor Zeph Landau was captain of Stuyvesant’s math team back in 1987. Now, he teaches at City College and often meets socially with four of his Honors students – including Project Scholars **Wan Li Ma** and **Johnny Wong**, a former Stuyvesant Math Team member.

A graduate of Harvard with a PhD from Berkeley, Landau has a special appreciation for CCNY. “City College is New York,” says Landau. “So many different kinds of people who are so interested in things. Students are more serious here than in most colleges. Getting a college education is important to them.”

in small groups at school, then Stuyvesant forwards their entries to the judges for scoring.

CCNY Scholars Academy’s “Rigorous Full-Brain Workout”

For the past five years, Danny Jaye has headed the **CCNY Scholars Academy in Mathematics and Science**, a summer program for gifted high school students from throughout the city. Many Academy teaching assistants are Stuyvesant alums who are undergrads at other colleges and, in many cases, former members of the Stuyvesant math team. This summer, that included students from Harvard, Yale, Brown, Carnegie Mellon, Columbia, and MIT. Jaye has shown them that working at CCNY is a fine thing, and says that the high school



Danny Jaye is the driving force behind the growth of the Stuyvesant math team, which consisted of a “mere” 60 students when he became the assistant principal of mathematics seven years ago, and today has 410 members.

photo by Olga Mikhлина

It’s not like being chosen for a baseball team. “Students sign up voluntarily as individuals,” says **Danny Jaye**, Stuyvesant’s assistant principal of math. “They know this is a good experience for them.”

The math department earmarks funds to back the high level of participation. “We hire seven teachers to serve as coaches,” says Jaye, who has especially

Volunteers Needed

Senior Year has begun for Stuyvesant students and college recruitment is not far behind.

Help us keep Stuyvesant seniors informed about opportunities at The City College.

If you can join the CCNY recruiters for even one day this year, you’ll get the chance to meet and



photo by Larry Gralla

Chan's Green Roof Research Earns Him EPA Fellowship

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New York, where the sewage and storm water systems are combined, combined sewage overflows (CSOs) are a real threat to the surrounding marine and coastal environment any time there's heavy rain."

Gary's research involves creating a green roof, or vegetated rooftop, on 200 square feet of the College's Steinman Hall, the 45 year old eight-story building that houses the School of Engineering. The green roof will be monitored for one year before the data is evaluated. The research will also attempt to determine the cost/benefit analysis for green roofs versus more traditional CSO abatement measures. The results of the study could yield further proof that green roofs can be one of the most environmentally friendly and economical solutions to CSOs in large cities.

Professor Wiley, thrilled by the interest Gary's study has garnered, said, "We've been contacted by engineering consultants, the (NYC) Department of Environmental Protection and graduate students interested in our results.

"In theory, green roofs make sense for New York, but data from a carefully designed experiment are key to guiding the level of investment and methods of implementation."

Gary is also a recipient of the 2005 Civil Engineering Alumni Award.

What Advice Would You Give To Freshmen?



photo by Olga Mikhlina

Project Scholar **Debbie Wolf**, now a senior, has this advice for incoming Project freshmen:

"Take as many honors courses as you can the first year. In addition to being a great way to meet people, it's good to get those classes out of the way. I finished with my core courses mid-sophomore year because of my AP credits, and I was able to focus on my major and interests.

"Also, try to form good relationships with your professors, even in freshman year. Professors often know about opportunities (work, grants, study abroad, potential mentors) that you might not find out about on your own. The more advice and support you can get,

the better. Good luck, and enjoy City!"

Shivanie Latchman, sophomore, says:

"I would stress how important it is to get involved. Because CCNY is a commuter school, it's easy to feel isolated. Getting involved in a club or publication can make you feel like you're an integral part of the college... and getting involved in an organization early can help you obtain a leadership position in the future.

"Being a writer for The Campus, CUNY's oldest student newspaper, has greatly enriched my own freshman year experience."



photo by Avery Singer

Alumni Mail Bag

"I wish to thank you and those who thought up this plan for the satisfaction it gives me to participate. Without the opportunity I had to go to Stuyvesant and City, my life would have been very different.

This should become a tradition for past and future graduates."

... Howard B. Klein '44/'49

You Can Bring A New Project Freshman to City College!

I PLEDGE \$100,000 \$50,000 \$25,000 \$10,000
 \$5,000 \$1,000 other amount \$ _____

Pledges of \$1,000 or more are payable over four years .

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I would like to attend an event at Stuyvesant or City College.

MAIL TO: STUYVESANT-CCNY SCHOLARSHIP PROJECT, THE CITY COLLEGE FUND

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