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ALUMNI WALL DEDICATED; PRESIDENT'S ASSOCIATES CELEBRATE 25TH YEAR



*Members of the President's Associates
at the 25th Annual Reception in the lobby
of Polytechnic's new Joseph J. and Violet J. Jacobs Building*

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Polytechnic Celebrates the President's Associates; Dedicates Alumni Wall

More than 100 people gathered in the foyer of Polytechnic University's new Joseph J. and Violet J. Jacobs Building on October 29 to mark the 25th Annual Reception of the President's Associates, a group of elite donors who contribute \$1,500 or more annually to Polytechnic.

During the celebration, the University dedicated the Alumni Wall, located in the lobby of the new building. The wall, an 8-by-54-foot art installation integrating images from science and technology, has space to showcase the names of 2,000 alumni donors. A section of the wall has been designated as a war memorial to honor Polytechnic faculty and students who died in the nation's wars. In addition, the memorial honors the nine Polytechnic faculty, alumni and students who perished in the terrorist attacks of September 11.



Clockwise from above: President Chang and his wife, Cecilia, flanking Ruth Conklin and her husband, David '52 '59, retired president of Merck Chemical Manufacturing Division; a section of the Alumni Wall containing names of alumni donors; Dr. Ray Katzen '36 '38 '42, founder of KATZEN International Inc., and his wife, Selma; POLYTECHNIC ALUMNI President James Oussani Jr. '73 with artist Susan L. Kaprov, who designed the Alumni Wall.



DEBENEDITTIS LOUNGE DEDICATED IN ROGERS HALL

The Department of Civil Engineering turned out in force to join Charles A. DeBenedittis '52 at a dedication ceremony and luncheon for a new student lounge named in his honor. The Charles A. DeBenedittis Lounge for Students of Civil



DeBenedittis, left, with Griffis at the entrance to his eponymous lounge.

Engineering and Construction Management opened October 28 in Rogers Hall on the University's MetroTech campus.

"This is our way to recognize Charlie DeBenedittis for his illustrious professional career," said Dr. Fletcher H. (Bud) Griffis, vice president and dean of engineering and applied sciences, "and to thank him for his staunch support of Polytechnic."

DeBenedittis, senior managing director for Tishman Speyer Properties, earned a bachelor's degree *magna cum laude* in civil engineering from Poly. A strong advocate for preparing students for leadership-track positions in the construction industry, he is helping support Polytechnic's new undergraduate degree program in construction management, one of the first such programs in the New York-metro area.

THERE'S A HOLE IN THE WALL

There's a hole in the Alumni Wall where your name should be.

To remedy this situation, contact **Thomas Daly**, director of development, or **Colleen Jansen**, director of the Polytechnic Fund, at 800/765-9929

to discuss your donation.

A naming opportunity like the Alumni Wall is a great way to honor a loved one. Why not give this beautiful art installation your name as a gift in honor of a birthday, Father's Day, Mother's Day, a wedding anniversary or any number of special occasions.

Urban Security Initiative to Combat Terrorism

U.S. Senator Schumer Calls for More Money for Homeland Security at Poly Conference

Saying we have to do more at home to protect our cities and country, U.S. Senator Charles E. Schumer (D. NY) called on the Bush Administration to allocate more money for air, rail, ports, cyber and border security.

Speaking at an Urban Security Initiative conference, "Engineering the Protection of Our Cities," held at Polytechnic on October 7, Schumer declared that the war on terrorism has just begun. "Polytechnic University has been a leader in solutions to urban problems," he said. "The technology developed by the Urban Security Initiative will make a valuable contribution to the war on terror."

The Urban Security Initiative (USI), led by Polytechnic's chancellor, Dr. George Bugliarello, was created in late 2001 to develop public/private partnerships dedicated to finding solutions to urban security issues through science, technology and engineering. The Alfred P. Sloan Foundation has awarded the University a two-year, \$469,293 seed grant to develop USI, and the U.S. Department of Housing and Urban Development has provided \$400,000 for cybersecurity research.

Bugliarello, speaking at the conference,

said: "USI brings together Polytechnic's research capabilities in telecommunications, cybersecurity, computer and information science, electrical and computer engineering and construction engineering and management to develop strategies that will protect our cities. Working with other universities and colleges and the New York City Fire and Police Departments, USI can bring the technological resources to bear that will save lives, protect commerce and create safe environments."

U.S. Senator Charles E. Schumer speaking at Polytechnic's inaugural Urban Security Initiative conference on October 7.



FACULTY NEWS

Dr. Jerome Epstein, instructor of mathematics, has been appointed visiting scholar in the Physics Department of New York University. He is working on a long-range research program in mathematical physics, involving geometric approaches to electro-weak interaction.

Dr. Jean Gallagher, associate professor of English, received the 2001 Margaret Church Memorial Award for Best Essay from *Modern Fiction Studies* for "Vision and Inversion in Nightwood."

Dr. Eli M. Pearce, University research professor, has been elected to the Board of the Council of Scientific Society

Presidents. Pearce is a board member and immediate past president of the American Chemical Society.

Dr. Bharat P. Rao, assistant professor of management, was appointed to the Editorial Board of the *International Journal of Electronic Markets*. He was also appointed to the Program Committee of the m-Business 2002 Conference, to be held June 22-23 in Vienna, Austria.

Dr. Dipak Roy, professor of environmental engineering, was elected to the Hall of Distinction in the Department of Civil and Environmental Engineering at Louisiana State University.

NSF Grant Brings Scanning Technology to Minority-Owned Grocery Stores

The National Science Foundation has awarded Polytechnic a three-year, \$600,000 Partnerships for Innovation grant to introduce scanning technology to small grocery stores in New York City's minority communities. The grant is being carried out under the auspices of Poly's Center for Technology in Supply Chains and Merchandising led by grant investigators Michael Greenstein and Blair R. Williams, industry professors in the Department of Mechanical, Aerospace and Manufacturing Engineering, and Chancellor George Bugliarello. Students will be recruited to assist in the research and implementation stages of the grant.

Through past research, retail scanners have been shown to increase profitability for store owners by controlling inventory and reducing cashier errors. Yet, minority-owned businesses have been reluctant to adapt the technology. With the grant, Polytechnic will educate retail owners on the value of using scanners, assist in installing the technology and conduct research to understand the reluctance.

The Center for Technology in Supply Chains and Merchandising was launched in 1999. Recently, the center offered a new program in Management of Technology and Innovation in Retailing as part of the University's Executive Management of Technology Program. Employees from such companies as Verizon Communications, Symbol Technologies Inc., Jones Apparel Group and Federal Logistics and Operations were selected by their employer to enroll in the program. This past summer, the center introduced an internship program for Polytechnic students who graduated from Brooklyn Technical High School. Students interned at the supermarket chain Gristede's, Jones Apparel Group, Barnesandnoble.com and SIAC, which operates the computer information networks of the New York and American Stock Exchanges. At Barnesandnoble.com, interns worked in the division headed by Chief Technology Officer David C. Willen '77 '77.

.....
Alumni support drives national rankings.

NOBEL LAUREATE CALLS FOR ABOLISHING CORPORATE INCOME TAX

Saying the corporate income tax inhibits economic growth, Robert A. Mundell, the 1999 Nobel Laureate for Economics, called for its elimination as a way to spark the flagging economy.



Robert A. Mundell

"Abolishing the corporate income tax would be a good move," he said. "The stock market would boom ahead and there would be a big upsurge in investment."

Speaking at Polytechnic's Fifth Annual Lynford Lecture, held October 8, Mundell, who conceived the idea for the Euro, a single European currency, declared that the

"Abolishing the corporate income tax would be a good move. The stock market would boom ahead and there would be a big upsurge in investment."

—Robert A. Mundell

economy needs a boost and tax reform is necessary. "Corporate profits," he said, "are the beacon that makes the economy run." He also noted that the current slow down in the economy may last longer than expected. "Corporate profits drive capital investment," he said. "It's a vicious circle."

The Lynford Lecture is sponsored by Poly Trustee Jeffrey H. Lynford and his wife, Tondra, and co-sponsored by Polytechnic's Institute for Mathematics and Advanced Supercomputing (IMAS), led by the brother mathematicians David and Gregory Chudnovsky.

Before the lecture, Lynford told the audience that a supercomputer, designed by the Chudnovskys, will be housed in a new laboratory at Polytechnic. "The computer," he said, "will be used to help the Chudnovskys design a powerful new chip that will be the heart of the next generation of IBM's Blue GeneCyclops supercomputers."

Scholars at Polytechnic's Inaugural Othmer Symposium Cite Interdisciplinary Research as Key to 21st-Century Innovation

Declaring that interdisciplinary research will be the engine for 21st-century innovation, Dr. Thomas L. Magnanti, dean of engineering at MIT, urged scholars and scientists to cross traditional boundaries and develop interdisciplinary research strategies that will have a positive impact on society, the economy and the direction of science and technology.

Speaking at the inaugural symposium of Polytechnic's Othmer Institute for Interdisciplinary Studies, Magnanti said that engineering has changed the very fabric of society. "Multiple disciplines working together," he said, "have contributed the most to the engineering achievements of the 20th century." The title of the symposium was "21st Century Science and Technology: The Interdisciplinary Challenges and Opportunities."

The Othmer Institute, with a \$25-million endowment, serves as an incubator for breakthrough interdisciplinary technology-related research. The institute provides seed money for high-risk, high-payoff technological research, and fosters an environment of exploratory learning and team building in new areas of research and scholarship. It is

headed by Dr. Mel Horwitch, director of Polytechnic's Institute for Technology and Enterprise.

In his keynote address, Dr. Paul Horn H'02, a member of the Othmer Institute Board of Overseers and senior vice president and director of research for IBM Corporation, predicted a staggering change in the information technology industry over the next 20 years. "There is a huge opportunity for innovation," he said, "and the leaders in the commercial application of this new technology know it's all about speed in bringing innovation to the marketplace."



Attending the inaugural Othmer Symposium, from left, Polytechnic's Chancellor George Bugliarello, President Chang, Magnanti and Horwitch.



BUILDING HONORED

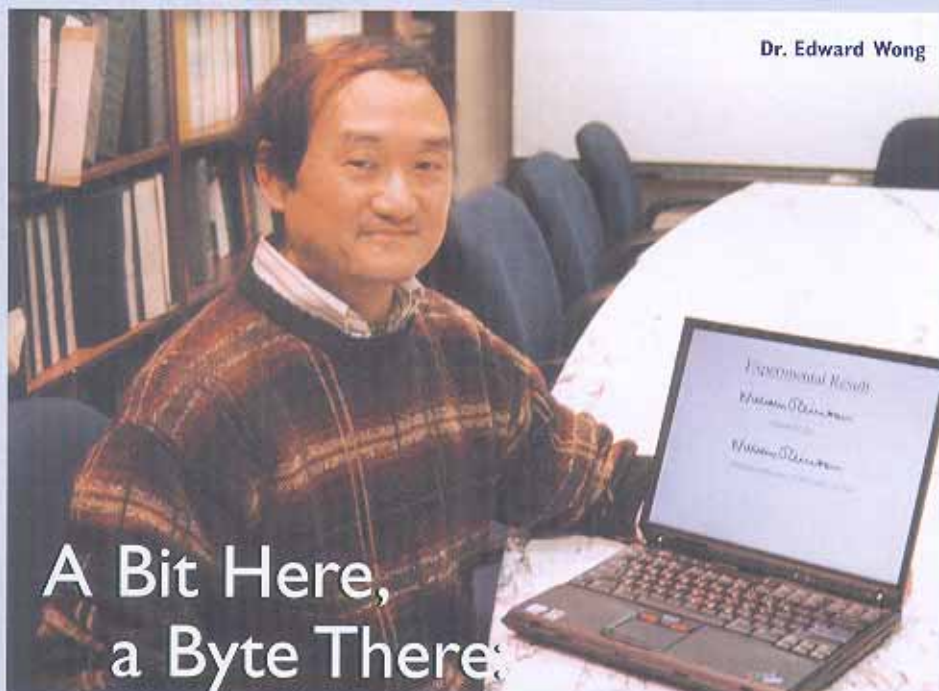
The University received a 2002 Award of Merit from *New York Construction News* for the building of the Donald F. and Mildred Topp Othmer Residence Hall. The residence hall, named in honor of the University's greatest benefactors, is a \$44-million, 400-bed building that opened to students in summer 2002.

GIFT ANNUITIES HELP YOU

Are you in need of additional income, a tax break and fewer financial worries?

A Polytechnic University gift annuity may be the answer.

For more information and a free estimate, contact **Thomas Daly**, director of development, at 800/765-9929.



Dr. Edward Wong

A Bit Here, a Byte There

EDWARD WONG Helping Protect Documents in the Digital World

Hold a crisp new \$50 bill up to the light and, unless you're the victim of fraud, you should see Grant's silhouette. That is a watermark—the physical sort. It's created by varying the density of paper, a technique that's changed little since its invention at the Fabriano paper mill in Italy seven centuries ago. The question now in today's escalating computerized society is: How to do the same for a digital document?

The answer can be found in Dr. Edward Wong's research at Poly. An associate professor of computer science, Wong has joined with Professor Nasir Memon, also at Poly, to develop a method to digitally watermark documents. Polytechnic is one of a few institutions where work on digital watermarking documents is happening.

Since computer files are nothing more than ones and zeros, the trick is to hide a few extra bytes—containing copyright information for example—without noticeably altering what they're hiding in. Until now, most research in this area has concerned watermarking color or grayscale images, the preferred method is to insert bits in such a way that they alter the colors by visually indiscernible amounts. However, that method is inapplicable to computer documents, which use only two colors.

Instead of altering colors, Wong inserts extra bits along the boundary of a character. The limit to the amount of information that can be stored this way without creating noticeable deformities varies. A sample signature holds a little over 11 bytes, enough for the word "Polytechnic" to be embedded without perceptible differences.

"At a normal viewing distance you won't see the difference between the original and the watermarked signatures, but if you enlarge the signature to the pixel level, then you will see it," explains Wong.

Watermarks can be made fragile or robust depending on their purpose. A fragile watermark is destroyed if any part of the document is altered or copied, helping to safeguard it against fraud. Robust watermarks, on the other hand, are meant to survive a certain amount of distortion, and can be used to prove ownership.

Eventually, Wong hopes to create watermarks to fulfill a variety of purposes, including copyright protection, document authentication and even covert communication. Wills, passports and bank checks are just a few of the documents that may be watermarked digitally in the near future.

— Shawn Kenyon '04

Kapila, Memon and Veeraraghavan Win Jacobs Award for Excellence in Education

Polytechnic honored Professors Vikram Kapila, Nasir Memon and Malathi Veeraraghavan with the 2002 Jacobs Award for Excellence in Education.

Kapila, associate professor of mechanical engineering, was cited for creating an internationally recognized Web-based controls laboratory, which has received major funding and attracted educators from institutions across the nation.



Vikram Kapila

Memon, associate professor of computer science, was recognized for developing online and lab-



Nasir Memon

based courses in computer and network security, which led to the establishment of an Information Systems and Internet Security Laboratory and Polytechnic being certified a Center of Academic Excellence

in Information Assurance Education by the National Security Agency.

Veeraraghavan, associate professor of electrical and computer engineering, was honored for developing online materials for several popular courses and creating a synchronous, distance-learning environment between Polytechnic's Brooklyn and Westchester campuses.

The annual Jacobs Award is named for and supported by Dr. Joseph J. Jacobs '37 '39 '42 H'86, lifetime Polytechnic trustee and founder and chairman of Jacobs Engineering Group Inc. Each professor received a \$10,000 research grant.



Malathi Veeraraghavan

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Alumni support = academic excellence.

ASEE President Champions Engineering to the Nation's Youth

Eugene M. DeLoatch '65 '72 has seen the future of engineering and he does not like it.

"We, as a country, have to do more to attract young people to engineering and the sciences," says DeLoatch. "The big three—law, business and medicine—are now drawing our best and brightest high school graduates."

DeLoatch, president of the American Society for Engineering Education (ASEE) and dean of the Clarence M. Mitchell Jr. School of Engineering at Morgan State University in Baltimore, Md., is on a crusade to make engineering and the sciences relevant and attractive to young students. "Women make up less than a quarter of the engineers in this country, and African Americans and Hispanics account for only seven percent," he notes. "I don't want to see

"We, as a country, have to do more to attract young people to engineering and the sciences."

— Eugene M. DeLoatch '65 '72

the United States fall behind because a lot of talented youngsters who could have been engineers never make it into the pipeline."

DeLoatch has been the dean of the School of Engineering at Morgan State University since 1984. Formerly, he spent nearly 10 years as a professor and chairman of the Department of Electrical Engineering at Howard University in Washington, D.C.

Born in the small Hudson River town of Piermont, N.Y., in 1936, DeLoatch was drawn to engineering by the excitement the

field was generating in the post-WWII engineering boom. "When I went to college in the 1950s," DeLoatch recalls, "engineering was moving into a whole new period. More people were needed in the field as the shift to a peacetime economy continued."

Graduating from Tappan Zee High School in Rockland County, N.Y., DeLoatch went on to earn dual bachelor's degrees in mathematics and electrical engineering from a joint five-year program between Tougaloo College in Mississippi and Lafayette College in Pennsylvania.

It was the work of Polytechnic Professor John Truxall in control theory that drew DeLoatch to the University's Brooklyn campus. "I was interested in control theory and Dr. Truxall was a leader in the field," he says. "While I had never met him, I read his

book, and I knew I wanted to study with him at Poly." DeLoatch was awarded a master's degree in electrical engineering and a PhD in Bioengineering from Poly.

A recipient of an honorary Doctor of Engineering degree from Lafayette College, DeLoatch will be celebrated for his career achievements in February with the 2003 Pioneer Award at the Black Engineer of the Year Awards Conference.

DeLoatch is nearly half way through his one-year tenure as president of ASEE, an association of more than 12,000 engineering faculty members, U.S. colleges of engineering, corporations and other organizations dedicated to promoting excellence in engineering and engineering technology education. He is unrelenting in his quest to attract more young people to the engineering profession. "I love engineering and I love education," DeLoatch says. "I am convinced there are a lot of young talented people in the country who would make fine engineers. My mission is to spread the word."

GRIFFIS AND ROESS NAMED TO NEW POSITIONS

Dr. Fletcher H. (Bud) Griffis, professor of civil engineering and department head, has been appointed vice president and dean of engineering and applied sciences at Polytechnic. Dr. Roger P. Roess '68 '69 '72, professor of transportation engineering, was named head of the Department of Civil Engineering. Griffis succeeds Dr. William R. McShane '66 '68, who has returned to the faculty as a professor of mechanical engineering; he will also work with the Provost's Office on Poly's information-technology initiatives.

Griffis joined Polytechnic in 2000 and was named department head in 2001. In that time, he established a Center for Construction Management Technology and oversaw the University's \$121-million construction and renovation projects on the MetroTech campus.



Dr. Fletcher H. (Bud) Griffis

A 26-year Army veteran and former colonel in the U.S. Army Corps of Engineers, he managed military construction worldwide before retiring in 1986 as commander of the corps's New York district. He then joined Columbia University as professor of civil engineering, head of its Construction Engineering and Management Program and director of its National Center for Infrastructure Studies.

Roess has been with Polytechnic since 1969 after receiving his bachelor's in civil engineering. He then went on to earn a master's and doctorate in transportation engineering. He has held numerous administrative positions at the University, including dean of engineering, associate provost and vice president for academic affairs and vice provost for academic operations. He also served as speaker of the faculty from 1998 to 2000 and recently played a key role in redesigning Poly's core curriculum for engineering majors.



Dr. Roger P. Roess '68 '69 '72

Eugene M. DeLoatch '65 '72

BALANCED CYLINDERS

Last fall, outdoor art came to an engineering school in the form of "Balanced Cylinders," a 28-foot high, 20,000-pound sculpture installed outside Polytechnic's entrance on Jay Street. The work, a grouping of red-orange cylinders arranged dynamically in space, was created by artist Paul Sisko and donated to the University by the Lynford Family Charitable Trust, established by Poly Trustee Jeffrey Lynford, chairman of Wellsford Real Properties Inc. Pictured in front of the sculpture and Poly's new Jacobs Building are, from left, Sisko, Tondra and Jeffrey Lynford and Cecilia and David Chang.



Keith W. Ross Named to Shustek Chair in Computer Science

Dr. Keith W. Ross, an authority in computer networking and a pioneer in online learning, has been appointed the inaugural Leonard J. Shustek Distinguished Professor of Computer Science.



Ross joins Polytechnic from the Institut Eurécom, a research and graduate teaching institution in France, where he was a professor and former chairman of the Multimedia Communications Department. Previously, he spent 12 years at the University of Pennsylvania, where he was a professor in the Department of Systems Engineering and director of its master's program in telecommunications and networking. Ross is also a founder of Wimba, a start-up company, created in 1999, which develops Java-based asynchronous voice technologies for the Web and mobile telephones, primarily for the e-learning markets. The original Wimba products began as research prototypes in his lab.

In his two-decade career in computer networking research, Ross helped develop the Cache Array Routing Protocol (CARP), which has been implemented in Microsoft and Netscape caching products, and co-wrote *Computer Networking: A Top-Down Approach Featuring the Internet* (2000, second edition 2002), which has been adopted by more than 200 U.S. universities and is being translated into six languages. He also pioneered the use of online learning and was one of the first professors to put his courses online with streaming audio. Ross is editor of the journal *IEEE/ACM Transaction on Networking* and has served on the editorial boards of five major journals.

The Shustek Distinguished Chair was created with a \$2.5-million endowed gift to the Department of Computer and Information Science from Poly Trustee Leonard J. Shustek '70 '70, a Silicon Valley entrepreneur and partner of VenCraft, a venture-capital fund.

IN MEMORIAM

Guiliana C. Tesoro

Guiliana C. Tesoro, a consultant to the chemical industry and research professor emerita in the Department of Chemical Engineering, Chemistry and Materials Science, died September 29. She was 81.

Before joining the Polytechnic faculty in 1982, Tesoro worked as a research chemist at American Cyanamid and Onyx Chemical Company (now Millmaster Onyx). In 1968, she was named the assistant director of research at Central Research Laboratory. She was director of chemical research at Burlington Industries from 1969 to 1972. She joined the faculty of the Massachusetts Institute of Technology in 1973 as a visiting professor and went on to become senior research scientist.

Tesoro earned a doctoral degree in organic chemistry from Yale University in 1943.

She held over 120 U.S. patents and was published extensively in technical books and journals.

Tesoro received the Olney Medal of the American Association of Textile Chemists and Colorists in 1963 and the Achievement Award of the Society of Women Engineers in 1978. She was past president of the Fiber Society and a member of the National Materials Advisory Board of the National Research Council. She was a fellow of the Textile Institute of Great Britain, a member of editorial boards of *The Textile Research Journal* and *The Journal of Fire Retardant Chemistry* and alternate councilor for the Division of Chemical Health and Safety of the American Chemical Society.

Tesoro is survived by her children, Claudia and Andrew.



Guiliana C. Tesoro

ALUMNI PRESIDENT'S CORNER

It is not often that I have the opportunity to share with you the great things that are going on at our *alma mater*. As promised in my last *Cable* report, we are getting more involved in professional technical events and presentations, which are proving to be important networking events for alumni. To date, the Northern California Section presented an evening at the Fremont Hills Country Club with Chemistry Professor Bruce Garetz; the Big Apple Section sponsored a technical dinner meeting for the American Society of Mechanical Engineers on the MetroTech campus; and the Potomac Section sponsored a reception during the annual meeting of the National Association of Civil Engineers in Washington, D.C. In addition, we unveiled the Alumni Wall and War Memorial in the new Jacobs Building and presented Distinguished and Dedicated Alumni Awards.

On another front, we recognize that today's graduates must be able to thrive in a fast-paced and increasingly global economy. Additionally, they will be called upon to consider environmental and social issues in their projects more than ever, and to bring this knowledge to the job from day one. Through requests for alumni involvement in the Middle States and ABET accreditation processes, we have emphasized the importance of ensuring that our students always have the technical and managerial skills they will need as professionals.

Recently, talk-show host Jay Leno let on that he enjoys tinkering with his (many) cars. It seems when he is not interviewing the Hollywood "glitterati," he enjoys taking cars apart and learning something new as he puts them back together. At a recent informal auto club get-together, he observed the pros picking up the latest tips, but also passing

on knowledge to the younger set, likening it to a modern day Council of Elders. This struck me, because at Alumni Executive Board Meetings, we recently discussed how apprenticeship-type mentoring programs are slowly disappearing as corporations and organizations downsize them out of existence, and that we could help bridge the gap. We will continue to have alumni-student mixers and assist in recruiting bright students, but we should do more. It is good to encourage the meeting of inquiring minds and to learn by sharing with each other both tried-and-true techniques and the latest technology.

I am proud to report that the alumni association also plays an active part in the soul of our University. We continue to try to comfort the families of alumni killed in the 9/11 tragedy by having a presence at memorial events on and off campus. We recently participated in a wonderful Thanksgiving dinner with Poly's international students and residents of the new Othmer Residence Hall, letting them know that Poly is their home away from home. The thoughtfulness of all those involved in planning these events attests to the team spirit at Polytechnic.

Thank you for staying in touch with Poly and best wishes for the New Year!



James Oussani Jr.



REMEMBERING SUSAN MISKOWICZ '86

More than 75 friends, family and former classmates gathered on November 7 to remember Susan Miskowicz '86, a contract worker for the Port Authority of New York and New Jersey who died in the World Trade Center attacks. The event was also a benefit for Susan's mother, Carole. Attending were, from left, **Marta A. Kindya '69**; **Basil (Wasyl) Kinach '83**; **Carole Miskowicz**; **Sudha Dave '82**; **Marilyn Gay '83**; **Patrick J. O'Connor '86**; **Giovanna A. Boiano '00**; **Donald Ivanoff**, director of alumni relations; **Ludmila Kwartiroff '00**; and **James Oussani Jr. '73**, president of the POLYTECHNIC ALUMNI. Contributions to the benefit may be sent to the Metropolitan Engineering Societies Council, P.O. Box 1981, Church Street Station, New York, NY 10008-1981. Checks payable to "Our Lady of Angels"; Memo: "Friends of Susan Fund".

NEW SECTION FOR LAWYERS FORMED

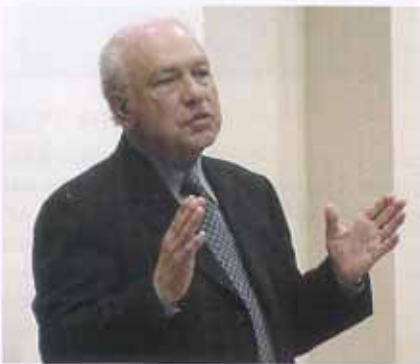
The POLYTECHNIC ALUMNI is forming a Lawyer's Section to focus on the legal issues confronting the engineering and science communities. Planned activities include a patent and intellectual property conference. Alumni interested in participating in this new section should contact **Edward S. Sawchuk, PC, '76 '78**.
E-mail: esawchuk@att.net;
Tel: 212/682-5990; **Fax:** 212/889-6313;
Mail: 381 Park Avenue South, Suite 1101, New York, NY 10016.

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Mirror image:
Alumni support—foundation grants.

ALUMNI LEADERS ADVOCATE CONTINUING EDUCATION AND COMMUNICATION SKILLS FOR STUDENTS

Build a solid technical background, continue learning, sharpen communication skills and keep an open mind were just some of the advice that four alumni shared with students during the fall 2002 Leadership Seminar Series. The seminars, sponsored by the Offices of Development and Alumni Relations, offer Polytechnic students the advice and business acumen of successful alumni and friends of Poly.

The speakers were Dr. Joseph A. Castellano '64 '69, entrepreneur, executive adviser for iSuppli Corporation and author of two books on LCD technology and development; Dr. Jack M. Hochman '59, retired president of Exxon Biomedical Services Inc.; Dr. Joseph G. Lombardino '57, retired senior director of operations planning for Pfizer Inc.; and Carl S. Selinger '79, an independent consultant in aviation, education, transportation and strategic business planning, and instructor at SUNY Maritime College and Cooper Union for the Advancement of Science and Art.



Dr. Joseph A. Castellano '64 '69:

"The keys to launching a successful business are hire top-notch people, respect clients and, most important, know the customer is always right, even when he's wrong."



Dr. Jack M. Hochman '59:

"Continuing education is mandatory for a successful technical and management career."



Dr. Joseph G. Lombardino '57:

"Acquire good technical skills and keep an open mind."



Carl S. Selinger '79:

"The soft skills—writing, speaking and setting priorities—are just as important as the technical skills for professional success."

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Answer the call:

The Poly Fund needs you.

Help A Student Graduate from Poly

Polytechnic offers donors opportunities to support the University's financial-aid program. More than 95 percent of Poly students receive financial assistance. More than 62 percent of Poly students carry loans, and many work part or full time. A gift to a scholarship—at any level—helps a student graduate from Polytechnic with a first-rate education and assists the University in educating the leaders of tomorrow.

Below are four opportunities:

Special Named Scholarship:

For \$2,500 or more, a named partial scholarship will be awarded in your honor or the honor of a loved one. The scholarship is given in the year your gift is received and is listed in the University's annual *Honor Roll of Donors*. Contributors are invited to the President's Associates reception held in the fall.

Poly 100 Scholarship Fund:

Contributors to this fund give \$50,000 over five years (\$10,000 annually) and have their name inscribed on their own bead on a 6-foot abacus in the lobby of the Dibner/CATT Building. Donors are invited to a special thank-you event and to other campus activities. This fund annually benefits students of high scholastic achievement.

Named Endowed Scholarship:

Contributors of \$100,000 or more may name an endowed scholarship in their honor or in honor of their loved ones. As an endowment, the scholarships last in perpetuity, and continue to grow over time with proper financial management. Students meet with donors annually.

Heroes Memorial Scholarship Fund:

Polytechnic has committed \$1 million in scholarships for dependants of all those who died in the September 11 terrorist attacks. You are invited to help those in need during this crucial moment in our nation's history by making a special contribution to this fund.

To contribute or for more information, please contact **Thomas Daly**, director of development, at 800/765-9929 or e-mail him at tdaly@poly.edu.

HAANG FUNG '84 RECEIVES INAUGURAL PRESIDENT'S AWARD

Recognized for her longstanding commitment to Polytechnic and its students, Haang Fung '84, executive director of academic success, received the inaugural President's Award at a special ceremony on October 23. The annual President's Award is the University's highest service honor for faculty and staff. The award was created as part of Campaign 1-2-3, under the overall direction of Dr. Richard Thorsen '63, '67, vice president for development and university relations, and managed by the Campaign's Reward and Recognition Team led by Susan Karavalos, director of Human Resources.

In presenting the award, President Chang said, "Haang is clearly a special person. Indeed, her life and her achievements reflect what Poly is all about—seizing opportunity."

Fung joined the University in 1980 as an administrative assistant in the Office of Special Services and rose to director before being named executive director of a new

department, Academic Success, in 2001. She earned an MS in Organizational Behavior from Poly in 1984, and serves on numerous University organizations and committees, including adviser to the student chapter of the Society of Hispanic Professional



Haang Fung with President Chang at the 2002 President's Award ceremony.

Engineers and director of the Polytechnic Alumni International Board.

Fung was chosen from a pool of candidates for the President's Award, all of whom had been nominated by their peers. An outside panel—comprising Student Council President Matt Nissen '03; POLYTECHNIC ALUMNI Secretary Elizabeth Crefin '98; and Trustees Donald N Weisstuch '57 '62 and Robert D. Dalziel '56—made the final decision. Shortlisted for the award were George Smith, director of corporate and foundation relations; Jim St. Lawrence, University Webmaster; and Jose Ulerio '78 '80, director of information systems operations.



Samuel B. Duryea

Harvey T. Adelson '49
 Ronald B. Ahlers '60
 Louis J. Apinieri '57 '63
 Herbert Aschkenasy '60*
 Albert Bennett '50
 Norbert M. Bikales '56 '61
 Franklin H. Blecher '49 '50 '55
 Margaret and Clifton Bogardus '43
 Johanna and Hermann L. Broecker '49
 Herbert I. Butler '39
 George W. Byrns '48
 Vincent J. Cassella '70 '73
 Martin P. Edelman '62
 Sven W. Englund '43 '47 '50
 Joseph A. Falcon '43
 Nathan Feinman '60
 Charles A. Fredrickson '66
 Harry B. Fuge '36
 Lawrence S. Galowin '49 '50 '56
 Richard E. Gegenwarth '57
 Clifford and Katherine Goldsmith
 Harold C. Goldwasser '51
 Helen Gottlieb
 William Gruen '24
 Herbert Hanft '48
 Enno F. Harger '45*
 William W. Heinz '60 '62
 Francis J. Herrmann '53
 Adeline Hinden
 Charles J. Hinkaty '70 '72
 Henry F. Hormann '27 '28
 Elva Hudtwalker
 Lloyd A. Hunziker '32
 Lawrence B. Ingram '68*
 Murray Jelling '41 '45

Raphael Katzen '36 '38 '42
 Arthur W. Kelly '53 '61
 Frank G. Klein '50
 Marvin M. Klein '66
 William K. Kramer '53*
 Warren C. Kreye '48 '60
 Irving Kuntz '50 '55
 Charles Ledwith '44
 Theo Lefferdink '49
 Stephen A. Levine '63
 Stephen L. Levy
 Eun Sook and Gerald Liebling '59
 Natalie Lipsert
 Helen T. Lowe
 Gerald Mackin '61*
 John Manniello '53
 Ewalt Maurushat '43*
 Herbert A. Mayer '57 '58
 Joseph Meshi '66 '67
 Sigridur Meyburg
 Robert Mihalo '62
 Gerard Muller '63
 Samuel J. Nelson '46
 George H. Neugebauer '32
 Herbert W. Newkirk '51
 Mrs. R. Lee Niciforo
 Thomas G. Niciforo '55
 Theodore Nowak
 Camillo A. Orso '47
 Sidney G. Pearson '50
 John G. Pulos '43 '49 '65
 Arnon S. Rosenthal '69
 Sidney J. Rubin '49
 August I. Ryer '41 '46
 Joseph A. Salgado '68

Martin L. Schechtman '41
 Mary Jane and Richard H. Schnoor
 Richard F. Schwab
 Warren D. Seider '62
 Nazaro A. Simonelli '52
 Charles D. Strang Jr. '43
 Robert C. Swanson '51
 Lawrence A. Tancredi '49 '52
 Irving Tashlick '58
 Robert J. Ullmer '45
 Steven J. Wallach '66
 Frank Zeissig '29

* New members, fiscal year 2002

The Samuel B. Duryea Society honors the memory of those who gave to Polytechnic in fiscal year 2002 through a bequest or an estate-planning gift.

George C. Baldwin '57
 Abraham B. Brandler '28
 Maurice Curran '67 '70
 Sarah Einberg
 Arthur C. Hansen '34
 Ephraim F. Jaffe '16
 Hazel Kunc
 Gustav K. Meyburg '35
 Edward Nadro '33
 Donald F. Othmer H'77
 Henry J. Peters '34

FOUR HONORED WITH ALUMNI AWARDS

Three alumni have received the POLYTECHNIC ALUMNI's highest award—the Distinguished Alumnus Award. They are Paul Gruber '56, a noted technological innovator; Herbert L. Henkel '70 '72, a Poly trustee and president, chairman and CEO of Ingersoll-Rand Company; and Dr. Joel Snyder '56 '64, a former Polytechnic professor and past president and director of IEEE. In addition, Dick Eden '73, president of IntraComputer Inc. and immediate past president of the POLYTECHNIC ALUMNI, received a Dedicated Alumnus Award. The four were presented with the awards at the 25th Annual President's Associates Reception, held October 29 in Polytechnic's new Joseph J. and Violet J. Jacobs Building.



Holding their plaques are honored alumni, from left, Snyder, Henkel, Gruber and Eden. With them are James Oussani Jr. '73, president of the POLYTECHNIC ALUMNI; and President Chang.

PROFILE

Cecilia A. Meza-Chipps '98 Flies into History as Northrop Grumman's First Female Flight-Test Engineer

Cecilia A. Meza-Chipps '98 began her career at Northrop Grumman in 1997 as a summer intern. After receiving her bachelor's at Poly in aerospace engineering, she joined the company full time on the vehicle design team for the Navy surveillance plane, the E-2C. This year, she became the company's first female flight-test engineer, assigned to test fly the latest version of the E-2C Hawkeye. Meza-Chipps—who married Mark Chipps, a hyperbaric medical technician and volunteer EMT and rescue diver, three months before her first flight—writes about her experiences for Cable.

“To prepare for test flying the E-2C Hawkeye, I went to the Jacksonville Navy Base in Florida to undergo the Navy's Flight Qualifications, which is required for anyone who sets foot in a Navy aircraft in flight. As the only civilian in the class, I was among very physically fit people, and the tests were brutal. We had to swim 25 yards back and forth, doing the backstroke, sidestroke and breaststroke, then again in our jumpsuits, boots and helmets, and carrying flight gear. The next day, we were dragged across a pool while undoing a parachute harness and then strapping ourselves into a hoist dropped from a helicopter. That day, I also endured the Helo-Dunker, a replica of an aircraft fuselage that is suspended in mid-air until it drops and hits water, with us inside, upside down. Once the fuselage submerged, we had to bail out quickly. Four times we did this, twice blindfolded to simulate a nighttime emergency landing in water.

“Once I passed the flight qualifications, I went on to St. Augustine where Northrop manufactures and tests the E-2Cs. Six days after my 26th birthday, I donned a helmet for my first test flight. Five people occupy the Hawkeye: two pilots in front and three officers—managing radar, aircraft control and combat information—in the rear directly beneath the rotodome, a saucer-shaped radar surveillance antenna mounted on top of the aircraft. My job was in the back, testing the whole system.

“On the first flight, my biggest concern was not getting sick, which happens frequently to novices. I like roller coasters and have flown in small planes, but everyone says the E-2C is different. And it was. Upon takeoff, we sat facing the front, but once the landing gear went up, we swiveled 90 degrees counterclockwise, pulled out keyboards and started testing the rotodome to make sure it picked up desired targets such as ships and



WOMAN IN CONTROL: Cecilia A. Meza-Chipps '98 at a control panel in the E-2C Hawkeye surveillance plane.

other airplanes. The rotodome transmits such high radiation we had special shields on our windows, or else it would have been like sitting in a microwave. The radar is capable of detecting targets anywhere within a three-million-cubic-mile volume while also monitoring maritime traffic. E-2Cs can patrol in all types of weather, automatically and simultaneously track more than 600 targets and control more than 40 airborne intercepts. E-2Cs are also very loud when you're inside; two huge propellers spin on both ends, sounding like a monstrous hummingbird.

“Once airborne, I was so busy trying to learn as much as I could and figure out where everything was that I didn't think of being sick. The next day, I successfully completed another flight. I'm now back at Northrop's Long Island offices, but not for long. Once I know the radar system inside and out, I will be test flying new and modified production aircrafts before they are delivered to the Navy as well as traveling to bases, carriers and other locations whenever the Navy is having problems with an E-2C.”



REPS FOR POLY

Who better to ask about Poly than an alum? **Thomas A. Mauro '67**, left, and **Ed T. Barron '56** set up shop at an alumni reception held during the 2002 national convention for the American Society of Civil Engineers on November 3 in Washington, D.C. Mauro is executive vice president for the POLYTECHNIC ALUMNI and Barron is former alumni president and current chair of its Potomac Section.



NOCAL HEARS BRUCE GARETZ

On December 4, POLYTECHNIC ALUMNI's Northern California Section met with Chemistry Professor **Bruce Garetz**, who talked about his crystallization research. Pictured are, from left, **Robert Sepanloo '82**, **Garetz**, **Sy Alpert '52** and **Herb Fischgrund '55**. Other alumni attending included **Bernie Rosen '57**, **Mike Einschlag '62**, **George Gioumousis '51**, **John C. Green '68 '72**, **Jess Kararek '49**, **Jan '63** and **Sofia Laskowski '63**, **Tom Montelbano '62 '64**, **Peter Nuebauer '55**, **Wolfgang Schaechter '56** and **Neil Weiser '73**.

CLASS NOTES

Now You Can Read and Submit Class Notes Online. Visit www.poly.edu/alumni and click on "Class Notes Online."

29 BERNARD SALZBERG (EE) '33 (EE) '41 (EE) is 95 years old and living in Glen Cove, N.Y. He recently underwent a successful hip replacement surgery.

40 EDWARD BOBROFF (ME) came out of retirement to return to Harvard University's power plant, where he now works part time as keeper of technical documents.

42 PAUL A. LIBBY (AE) received the 2001 Sugden Prize by the British Section of the Combustion Institute for a paper that he co-wrote on turbulent combustion. CHARLES E. WALSH (EE) lives in Ponte Vedra Beach, Fla. His wife, Elizabeth, died in December 2001.

43 GUS DUKE (EE) reunited with former classmates and Alpha Chi Rho brothers JOE ACKER (EE), BILL BERGEN (CH), MAURICE RINGENBACH '48 (EE) and FRANK SPINNER (CI).

46 SALVATORE E. COPPOLA (ME) celebrated his 81st birthday on a cruise with his four children and spouses and eight grandchildren, ranging in age from 3 to 26 years.

49 NORMAN R. BYRD (CM) '55 (CM) received a 40-year service award from Boeing. He recently traveled to Australia and New Zealand. JULES FREUNDLICH (ME) lives in Minneapolis and keeps his ham radio station W2JGR on the air.

50 J. LAWRENCE KATZ (PH) '51 (PH) received a C. William Hall Award from the Society for Biomaterials. ARTHUR J. MCINTYRE (ME) became a great grandparent in 2002. He was the liaison between the United Methodist Church of Spring Hill, Fla., and the architects and builders of the church's new \$3-million sanctuary.

51 ALEXANDER DIDIK (ME) is a part-time elevator and vertical transportation consultant. JAMES E. MULVANEY (CM) '59 (CM) is happy to announce that his daughter, Shelagh, completed her PhD in Clinical

Psychology in 2002 at the University of Arizona.

52 WILLIAM C. CHANG (CE) was recognized by Poly's Department of Civil Engineering for his 50 years at bridge-engineering firm Hardesty and Hanover. His career includes designing, structural investigating and construction-design supervising of over 50 bridges in North America, including the award-winning Lewiston-Queenston Bridge over the Niagara River and the Tomlinson Vertical Lift Bridge in New Haven, Conn.

55 ROBERT A. BENNETT (ME) is active on the national, regional and local level of ASME, and chairs two scholarship-committees. He plays golf and travels, recently visiting the Canadian Rockies.

56 EDWARD V. MCASSEY (ME) '59 (ME) is associate dean of engineering for academic affairs and the James R. Birlie Professor of Energy Technology at Villanova University in Pennsylvania.

57 JACK D'AGOSTINO (EE) owns a 43-foot trawler and travels around the United States.

58 GERALD KIEL (EE) is a partner and group leader for the intellectual-property practice at law firm Reed Smith in New York. JOHN J. MOONEY (CH) hosted a reunion of former Pershing rifle members of Company H-8 at his home in Bethany Beach, Del. Attending were DON BRANDINELLI, ED DESANTIS '60 (AE) '78 (CE), CARL GENNA '60 (EE), WERNER HORLBECK '57 (CH), HERB KERN '56 (AE) '65 (MG), BOB LEUCK '60 (EE), ED MCGOWAN '57 (ME), BERNIE MCINERNEY (CE), FRANK ORTOLANI (EE), SAL PALUMBO '60 (CH), ROCCO RUGGIERO '56 (MA) '63 (MA), CHUCK RUSSELL '57 (EE), GUENTHER STROBEL (CH), PHIL USAITIS '59 (AE) and JOHN YOVINO (CH). The next reunion is planned at McGowan's home in Florida for February 2004. LEE ROSENTHAL (EE) '67 (EE) received a Distinguished Faculty Award from Fairleigh Dickinson University. He has been at the university for three decades and is a professor and coordinator of the electrical engineering technology program on the university's Teaneck, N.J., campus.

My Favorite Poly Memory

by Leonard Fromm '44



Leonard Fromm '44

In my junior year at Poly, I was editor-in-chief of Poly's weekly student newspaper, *Polytechnic Reporter*. The school had announced that the Army would be sending a detachment of GIs

to Poly as part of the Army Specialized Training Program. Every week, we would send a reporter to President Rogers' office to find out when the GIs would arrive, and every week the president would have nothing to tell us, because he had heard nothing from the Army. Finally, in exasperation in having to say the same thing every week, I placed the following headline

over the front-page "no news" story: "Pres. Rogers Knows Nothing."

Prof. Thomas L. Donahue was the Reporter faculty adviser, and that headline brought him roaring up to our offices in the South Building the day the paper came out. There was a lot of screaming, with him threatening to read all our stuff before publication. Oddly enough, I never did hear anything from President Rogers about that, but maybe Prof. Donahue did.

DO YOU HAVE A FAVORITE POLY MEMORY?

Send your story to **Therese E. Tillett**, E-mail: ttillett@poly.edu, Fax: 718/260-3084; Mail: Polytechnic University, Six MetroTech Center, Brooklyn, NY 11201. Your story cannot exceed 250 words and may be edited for clarity and space. Please include your name, class year(s) and telephone number.

.....
Have you made a gift to Poly?

59 **RAYMOND H. ARNOLD (CI)** drives for the Golden Knight Limousine Service of Yorktown Heights, N.Y. **ANGELO DE GIRALAMO (EE)** and his wife, Anne, celebrated their 44th wedding anniversary in 2002. Two of their eight daughters married also in 2002, and the youngest is a teaching fellow at University of North Carolina at Asheville. Angelo is also at school; he is enrolled in a MA program in liberal studies at UNC at Greensboro. **LAWRENCE N. MILLER (EE) '62 (EE) '85 (CS)** is active in community affairs in Stamford, Conn., including the Stamford Little League, the Stamford Softball Umpires Association, the Norden Retirees Club, the Jewish Community Center and the Council of Churches and Synagogues. **PHILIP A. USAITIS (AE)** has eight grandchildren and is a part-time realtor in Whiting, N.J.

60 **EMORY P. BERMAN (PH)** retired after a career that included sales engineer, development engineer, high-school technical teacher and assistant principal for electronics. **JOSEPH KOVEL (ME)** is a volunteer at the Cradle of Aviation Museum, located on the grounds of the former Mitchel Field Air Force Base in Garden City, N.Y.

61 **CHARLES R. MANN (MA)** was elected a fellow of the Washington (D.C.) Academy of Sciences.

62 **DANIEL DAVIS (EE)** is a consulting engineer in the RF aperture section, electronic systems for Northrop Grumman. **FRANK GOLDNER (PH)** is his 39th year in the nuclear energy development program of the U.S. Department of Energy.

63 **MARTIN S. RODEN (EE) '65 (EE)** received the 2002-03 President's

Distinguished Professor Award from California State University at Los Angeles. He is a professor of electrical and computer engineering and author of 18 textbooks. **RALPH W. WYNDRUM (EE)** is vice president-elect for technical activities of IEEE.

64 **ROBERT M. SHAW (MA) '70 (SS)** is associate minister for Christian education at First Congregational Church (United Church of Christ) in Greeley, Colo.

65 **PRENTISS N. ROBINSON (EE)** retired from Boeing and now teaches part time at California State Polytechnic University in Pomona. **DENNIS G. SEVERANCE (MA) '66 (MA)** co-wrote *Making I/T Work: An Executive's Guide to Implementing Information Technology Systems* published by Jossey-Bass in September 2002. He is the Accenture Professor of Computer and Information Systems at University of Michigan Business School.

66 **HAROLD D. VEX (CH)** is retired from Garratt-Callahan Company, a national water treatment company.

67 **MICHAEL S. ELLEGOOD (CE)** is general manager and chief engineer of the flood control district of Maricopa County, Arizona. **RUSSELL HOTZLER (MT) '75 (MM)** is president of York College of CUNY. He previously was president of Queens College. **PAUL W. LIU (CP) '73 (EL)** is continuing his PE activities part-time as he recovers from heart-bypass surgery.

68 **MIKE D. DUFFY (IE)** is owner and president of CIO House, a senior-level IT executive-search firm in Ohio.

KEEP POLY STRONG

Help keep Polytechnic strong for future students by establishing a scholarship or sponsoring the new Donald F. and Mildred Topp Othmer Residence Hall. For as little as \$2,500 (a partial scholarship), you can establish a student scholarship in your name or that of a loved one. Or you can support the new residence hall by naming a student room or study lounge. Contributions range from \$10,000 to \$50,000 and can be given over several years. For more information, and to arrange a tour of the residence hall, contact **Thomas Daly**, director of development, or **Colleen Jansen**, director of the Polytechnic Fund, at 800/765-9929.

69 **VINCENT CAVASENO (CH)** is publisher of *The Manufacturer*, a monthly magazine that examines all areas of U.S. manufacturing, from management strategies through production, maintenance and logistics and the latest IT issues. **GERALD FLYNN (MA) '71 (MA)** is associate dean of the School of Business at SUNY Farmingdale. He has been at Farmingdale State since 1979 and has taught in the mathematics and computer information systems departments. **ARTHUR J. HERBIG (EE)** is enjoying his hobbies of e-mail and digital photography. He can be reached at herblen@erols.com.

70 **CARL J. ROD (SS)** works in the respiratory care at Speare Memorial Hospital in Plymouth, N.H., and serves on the New Hampshire Board for Respiratory Care Practitioners.

MAJOR CODES

Refer to the following major codes used in parentheses:

AA Aeronautics & Astronautics
AD Administration
AE Aerospace Engineering
AM Applied Mechanics
AS Applied Statistics
BI Bio-Engineering
CH Chemical Engineering
CM Chemistry
CE Civil Engineering
CY Computer Engineering
CP Chemical Physics
CS Computer Science

DM Dental Materials Science
EB Environment-Behavior Studies
EE Electrical Engineering
EL Electrophysics
EN Environmental Health Science
ES Economic Systems
EV Environmental Engineering
HI History of Science
HR Human Resources
HU Humanities
HS Humanities-Special
IA Industrial & Applied Math
IC Industrial Chemistry
IE Industrial Engineering
IF Information Systems/Management

IS Imaging Sciences & Engineering
IT Information Systems Engineering
JO Journalism
LE Life Science/ Electrical Engineering
LS Life Sciences
MA Mathematics
MC Management of Technology
ME Mechanical Engineering
MG Management
MH Mathematical Statistics
MM Metallurgy & Materials Science
MN Manufacturing Engineering
MO Meteorology & Oceanography
MS Material Science & Engineering/Management
MT Metallurgical Engineering

NE Nuclear Engineering
OB Organizational Behavior
OR Operations Research/Management
PH Physics
PO Polymeric Materials
PS Polymer Science Engineering
PY Physical Metallurgy
SC Systems Science
SE Systems Engineering
SS Social Sciences
TM Telecommunications Management
TP Transportation Planning/Engineering/Management

CLASS NOTES

71 BERNARD DEMARINIS (EE) was technical editor for the Homeland Security Conference sponsored by AFCEA, AOC and AUSA in September in Atlantic City. WILLIAM J. JULIUS (EE) is senior systems engineer for the U.S. Army's wideband satellite control programs. NICHOLAS LEVINOS (PH) retired in 2000 after 14 years with Bell Labs, where he worked on surface vibrational phenomenon and holographic data storage. Previously, he worked for Exxon, Perkins Elmer Corp. and Los Alamos National Laboratory. He is now a volunteer at the Liberty Science Center and high-school substitute teacher in Hunterdon, N.J.

72 KIM GOLDENBERG (BI) is chair of Ohio's Inter-University Council, which represents Ohio's 13 public universities and two freestanding medical colleges. BUDDY RATNER (CM) was elected to the National Academy of Science and received the Medard W. Welch Award from the AVS Science and Technology Society for his "innovative research on biomaterial interfaces and establishing the field of biomaterials surface science."

73 JEFFREY H. ERICKSON (TP) is president and CEO of Atlas Air Inc. He previously was president and CEO of Trans World Airlines, president and CEO of Reno Air and president and COO of Midway Airlines.

74 ALAN GLASSER (EE) '75 (EE) received an AT&T Science and Technology Medal for "innovation for enabling self-provisioning" of the 900,000 former Excite@Home broadband customers onto the AT&T replacement network. Alan is a technology leader at AT&T Labs.

75 ROBERT DESERIO (PH) wrote "Chaotic Pendulum: The Complete Attractor," published in the January-March 2003 issue of *American Journal of Physics*. He is director of undergraduate laboratories in the Department of Physics at the University of Florida.

150
polytechnic celebrates
its sesquicentennial in 2004



THANKSGIVING IN LONDON

The Office of Alumni Relations sponsored a shopping and sightseeing trip to London for Thanksgiving weekend. Trip attendees included, front row, from left, **Jeanne Swanson**, executive secretary in Poly's Office of Student Affairs; **Peter Swanson '88 (MG)** (partially hidden); **Michael Urmeneta '92 (ME) '00 (MG)**, admissions counselor at Poly; **Kathy Fung '99 (CS)**; **Donald Ivanoff**, director of alumni relations; and **Kevin Swanson**. Back row, from left, **Jasmine Urmeneta**; **Peg Swanson**; **Ken Swanson '90 (EE)**; and **Melanie Santarosa**. Future excursions being considered include a Panama Canal cruise and tours of France and England. Information about alumni travel programs is available at www.poly.edu/alumni.

76 JOSEPH COMPARETTO (EE) founded Monolithic Engineering Inc. in 2000 in Santa Cruz, Calif. JACK-KANG CHAN (SE) '82 (EE) '83 (IA) joined Advanced Acoustic Concepts Inc. as a senior systems engineer, after 22 years with Norden Systems. JERRY LEVINE (NE) is head of environment, safety and health at the Princeton Plasma Physics Laboratory, where he's been since graduating from Poly. He and his wife of 25 years, Ronnie, have a daughter, Audrey, who is a high school senior.

77 CHRISTOPHER SWAN (EN) is division manager for Connecticut Light and Power Co. in Norwalk, Conn.

78 MARTIN LANGAN (HI) is chief of inspections for the 77th Regional Support Command Inspector General.

79 MERRILL S. GOLDENBERG (CH) is a research scientist at Amgen, working on sustained release of drug-delivery systems. FREDERICK T. HASSEL (CE) is manager of project services at Gannett Fleming Inc., an international consulting, engineering and construction-management firm.

80 JEFFREY THORNE (EE) is a testing support project leader at TIAA/CREF and lives in Garden City, N.Y.

82 MARTIN B. BIZALIELE (CE) is a lecturer in civil engineering at the Port Elizabeth Technikon in South Africa. GLENN R. MADELMAYER (ME) is engineer and

manager of a resource recovery plant in Fairfax, Va. He recently spent a year in Milan, Italy, on a project. He and his wife, Loretta, have three children.

83 THOMAS F. FOX (EE) married Kelly Ryan, an associate principal in IBM's educational industry national practice, in October 2002. Thomas is a program manager for server marketing at IBM in Poughkeepsie, N.Y.

84 PAUL KALB (NE) received an Innovator of the Year Award by *Long Island Business News* for his invention of a new, more safe and practical method to dispose of mercury. He heads environmental research and technology development at Brookhaven National Laboratory. DAVID PAN (ME) works for the U.S. Army as a senior aviation-systems analyst for the deputy chief of staff, G-2, in the Pentagon. WARREN WINTER (MG) oversees telecommunications and information technology for the private equity firm Kohlberg & Company.

86 WAYNE R. LYDON (CS) '90 (TP) is acting assistant vice president of automated fire collection program management, Department of MetroCard Operations, at MTA New York City Transit. Wayne and his partner, Ronald, live in the Sunset Park section of Brooklyn.

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**Get reacquainted with Poly.
Take a tour of the MetroTech campus.**

RITA EVTHEMON GEIGER RECEIVES HONORS FROM BUSINESS JOURNAL



Rita Evthemon
Geiger '92 (EE)

Rita Evthemon Geiger '92 (EE) received two accolades this year from the Raleigh/Durham, N.C., edition of *Business Journal*. The newspaper named her to its "Women in Business" list and its "40 Under 40" list, profiling the top

business people in Raleigh/Durham. Geiger is co-founder and CEO of InfoStrength Inc., a developer of strategic IT applications and a regulatory-compliance adviser to the biotech and pharmaceutical industries. She founded the company in 1997 with her husband, Tom Geiger '92 (EE), who serves as vice president of technology. The Geigers each received a BS in Electrical Engineering with a concentration in computer science from Poly. Rita Geiger also earned an MBA from Duke University.

87 ROBERT V. JONES (EE) is staff director for electronic communications at IEEE.

91 MURAT OZBILEN (MN) '93 (IE) is founding partner and general manager of OytelNet, a telecom services provider. He previously worked for Andersen Consulting (now Accenture) and IBM Consulting Group. He and his wife, Zeynep, live in Istanbul, Turkey, with their daughters, Mina and Rana. GERARDO T. SAVORETTI (EE) '98 (CS) is product manager and vice president at Javelin Technology Inc.

93 ALTON LEWIS (MG) is a senior project manager for Skanska USA Building, responsible for all public-sector work in New York City.

HONOR ROLL NOW ONLINE

The 2001-02 *Honor Roll of Donors* can be viewed at www.poly.edu/alumni.

If you want a printed copy, contact Colleen Jansen, director of the Polytechnic Fund, at 800/765-9929, or e-mail her at cjansen@poly.edu. Better yet, add your name to next year's *Honor Roll* by making a contribution.

95 ANTHONY F. RIFENBERG (TM) and his wife, Grace, welcomed their third child, Kristen Elizabeth, in May 2002.

97 MITCHELL CROWLEY (CE) is deputy superintendent of highways for Smithtown, L.I. He and his wife, Katherine, have two sons, Marcus and Thomas.

98 TIMOTHY N. OMHOLT (EE) is a hardware engineer at the Telular Corp.

99 FRANKLIN P. FRISINA (EE) received a patent for computer software for maintenance resource management. He is a senior performance engineer with the New York Power Authority. AMY G. HIGH (EE) and RONALD M. RONACHER (ME) were married in October 2002. Amy is an imbedded software engineer at ITT Industries and Ronald is an engineering consultant with Ove Arup and Partners. ELAINE CHIEFFO '98 (CE) was a bridesmaid.

00 AJAY MALIK (CS) is a software developer at Bloomberg LP in New York. DAVID N. ROSENSAFT (MOT) is an adjunct professor of management at Polytechnic.

02 KANGPIN TEE (ME) is a mechanical engineer at Symbol Technologies Inc. in Holesville, N.Y.



POLY PRIDE AND JOY

Aakash Reddy Thumma is a new addition to the Poly family. He was born August 8, 2002, to YIDHI SANAHIR THUMMA '96 (CE) and her husband, Prashant. Vidhi met Prashant while both were students at Poly; they married in 1997. The new family lives in New Hampshire, where Vidhi is a systems analyst with Zurich Scudder Investments.

IN MEMORIAM

George L. Wilcox '39

George L. Wilcox '39, retired executive at Westinghouse and a Polytechnic trustee emeritus, died October 26 in Rector, Pa. He was 87.



George L.
Wilcox '39

A New York native, Wilcox graduated from high school at age 15 and became a mechanic for Consolidated Edison of New York. At night, he attended Polytechnic, earning a degree in electrical engineering in 1939. In 1942, he moved to Westinghouse Electric Corporation and a career that spanned four decades. He rose to president and CEO of Westinghouse Canada and vice chairman of the company before retiring in 1975. He continued as a member of its Board of Directors until 1980.

In addition to serving on the Westinghouse and Polytechnic boards, he served on the boards of Toronto-Dominion Bank, Kaiser Steel Company and PNC Bank. His public sector contributions included serving on the boards of the United Way, the Pennsylvania Economy League and the National Committee for Economic Development. One of his favorite activities was singing, and, from 1943 to 1955, he sang with the Downtown Glee Club in lower Manhattan. In recent years, he sang in the choir of his parish church.

He is survived by his wife of 63 years, Edith; daughters Leslie Serenyi and Holly Barry; a son, Dr. George L. Wilcox; a brother, Walter; five grandchildren; and three great-grandchildren.

IN MEMORIAM

John F. Boette '31 • John J. Dellasala '38 • George L. Wilcox '39 • Joseph A. Colletti '45 • John E. Ebert '47 • Edmund H. Merz '47 • Kenneth J. Burkhardt Sr. '50 • Alan A. Paris '50 • Leonard C. Kraushaar '51 • James P. LaBarber '53 • Walter G. Planet '54 • Morris Beller '55 • Roger Engel '63 '66 • Richard A. Horan '64 • Jack Landis '64 • Robert D. Mahoney '72 • Joseph Tricarico '80 • Tito Arguello '88

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THIS ISSUE'S POLY QUIZ

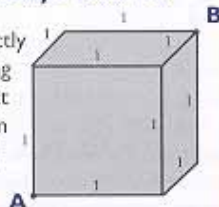
Here's a chance to test your Polytechnic education. Correctly answer the question and be entered in a drawing to win a Poly sweatshirt.

QUESTION: If you could measure the temperature in a deserted region of outer space, with nothing for light years around, how cold would it be?

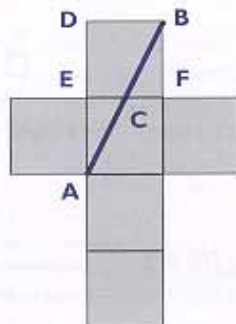
Send your answer and sweatshirt size to
Therese E. Tillett, E-mail: ttillett@poly.edu;
Fax: 718/260-3084; **Mail:** Polytechnic University,
Six MetroTech Center, Brooklyn, NY 11201

WINNER OF DRAWING FROM FALL '02 QUIZ: Alwyn D'Sa '80

More than 90 people correctly answered the question: Using the solid cube pictured, what is the shortest distance from point A to point B traveling on the surface of the cube.



ANSWER: The shortest path is a straight line when the cube is unfolded.



Hence, the length is
square root of $AD^2 + DB^2 =$
square root of $4 + 1 =$
square root of $5 = 2.23606797$.

To view the names of all respondents who submitted correct answers, visit www.poly.edu/alumni.

SAVE THE DATE

POLYTECHNIC ALUMNI

Annual Meeting

the Silver Jubilee of the Class of '78

and

the Reunion Dinner

for the Classes of '63, '73 and '93

Tuesday, June 3, 2003

5:30 p.m.

Alumni Reception

6:30 p.m.

Annual Meeting

7:30 p.m.

Annual Alumni Dinner

and

Alumnus/a of the Year Award Presentation
Big Apple Section

For more information regarding the annual meeting or reunion dinner, please contact the Office of Alumni Relations at 718/260-3885 or e-mail alumni@poly.edu.

GOLDEN JUBILEE OF THE CLASS OF '53

If you are a member of the Class of '53 and have not received information regarding your class' Golden Jubilee festivities from May 31 – June 1, 2003 please contact Zahra Patterson at 718/260-3885 or alumni@poly.edu.

SHOW US YOUR PATENTS

In anticipation of the celebration of Polytechnic's 150th anniversary, the POLYTECHNIC ALUMNI is assembling a database of patents held by Poly alumni and faculty. If you own a patent, send an e-mail to polypatents@yahoo.com and include issue date, patent number, brief description and any anecdotes you wish to pass along. Also let us know of any alum or faculty who owns a patent. As this project progresses, the POLYTECHNIC ALUMNI will need volunteers to catalog and present the patents. Send an e-mail to the above address if you are interested in volunteering.

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