New Alumni Celebrate at Poly’s 146th Commencement

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Campaign for Polytechnic Ends on Spectacular Note

It's over! With the help of thousands of supporters, the Campaign for Polytechnic—Fulfilling the American Dream crossed the finish line on June 30, beating its $275 million goal by $200,000. “Our extraordinary success was possible only with the overwhelming support of alumni, trustees, corporations, foundations, and friends,” says President David C. Chang. “Their generosity will carry Polytechnic strong and proud into a new era of change and progress.”

Launched in May 1997, the campaign’s focus was to improve the Brooklyn campus’ infrastructure, increase scholarship programs, invest more in research and establish endowed chairs to attract first-rate faculty. A critical moment in the campaign came a year later when Poly received a $175-million bequest from the estates of Prof. and Mrs. Donald E. and Mildred Topp Othmer. That history-making gift allowed the University to broaden its horizons toward making itself a leader among U.S. technological universities. In 1999, another campaign surge occurred when the former chairman of Poly’s Board of Trustees, Dr. Joseph J. Jacobs ’37 ’39 ’42 H’86, and his wife, Violet, gave the University $20 million, including a $10 million challenge gift to encourage even more alumni philanthropy.

The most visible sign so far of the campaign’s success is construction of two buildings on the MetroTech campus. On May 18, 2000, work began on an eight-story Joseph J. and Violet J. Jacobs Building, which will house classrooms, laboratories, lecture halls and an athletic facility. Construction is also progressing on the 400-bed Donald E. and Mildred Topp Othmer Residence Hall, Poly's first dormitory on the MetroTech campus in Brooklyn. Both buildings will open to students in fall 2002. In addition, Rogers Hall, the campus’ main academic building, has undergone a top-to-bottom renovation to provide students access to modern and well-equipped laboratories and classrooms.

Polytechnic has also implemented numerous other initiatives, including:
• Introducing a wireless campus and becoming New York City's first university to require freshman to use a notebook computer for their courses. Poly, with help from Symbol Technologies, prepared for wireless computers by upgrading its telecommunications network, mining faculty and building classrooms with Internet access and the latest audiovisual equipment.
• Establishing a Department of Introductory Design and Science and new engineering, biomedical, biomedical engineering, informatics in chemistry and biology, technology and information management and interdisciplinary studies in engineering.
• Renovating classrooms and laboratories and creating more than a dozen new labs, including an undergraduate lab complex to encourage interdisciplinary studies in civil, chemical and mechanical engineering.
• Awarding more than 200 new scholarships and establishing endowed professorships in management, biomedical engineering and computer science.
• Creating more student resources, including a Communications Proficiency Institute and an Office for Academic Success to advise, tutor and counsel students.
• Forging collaborations with hospitals, research centers and other educational institutions, including SUNY Downstate Medical Center, Brookhaven National Laboratory and five liberal arts colleges.
• Opening a Center for Construction Management Technology and a NSF-funded Center for Biocatalysis and Bioprocessing of Macromolecules.
• Consolidating all undergraduate programs on the MetroTech campus and establishing a Long Island Graduate Center to expand graduate education and better serve industry in that area.

“When we first announced the campaign,” says R. William Murray H’94, campaign chairman and deputy chairman of Polytechnic’s Board of Trustees, “I said our goal was ambitious, maybe even audacious. Yet, I had confidence that we were going to make it. And, by golly, we did it! I am pleased to have led a campaign that is truly making a difference to students and to this nation.”

Widow Names Student Lounge in Memory of Husband

Sarah Fox has made a $50,000 gift to the University to name a student lounge in the Donald E. and Mildred Topp Othmer Residence Hall in memory of her husband, Jerome Fox, former deputy director of Polytechnic’s Microwave Research Institute (now called the Weber Wireless Research Institute). Fox had a 23-year career at Polytechnic before retiring in 1976.

Members of the Fox family met with President David C. Chang and Dr. Richard S. Thorsen, vice president for development and university relations, to present the gift on behalf of Mrs. Fox, who could not attend.

The Othmer Residence Hall will open in September 2002.

Members of the Fox family from left, Sally and Geoffrey Fox and Fredericka Fox Botha are joined by Dr. Thorsen.
POLYTECHNIC 100 SALUTES TWO MEMBERS

We salute the following two members of the Polytechnic 100, the University's leading donor society, whose members commit a minimum of $50,000 over five years. Both these benefactors, like all Polytechnic 100 members, share a belief in the value of a Polytechnic education. Their generosity will help to extend the benefits of that education to the Polytechnic students of today and tomorrow, providing the opportunity for them to succeed and for our nation to prosper.

Robert D. Dalziel '56

After taking a high school class in electricity, Robert D. Dalziel '56 became certain of two things: He could "skin a pair of wires" and he wanted to be an engineer. And from his uncle, an engineer and Poly grad, he also became certain of his decision to attend Polytechnic.

"My dad was from Scotland," says Dalziel, a Brooklyn native. "He worked briefly as a trolley conductor, then went into the insurance business to make ends meet. My family didn't have a lot of money, and I had to go to a school close by. Poly was the best choice."

As a student, Dalziel played intramural basketball in the old "band box" gym on Livingston Street and was a member of Pi Kappa Phi, the ROTC Corps of Engineers and the Society of Military Engineers. He remembers an encouraging environment at Poly.

"Although it was when I was older," he adds, "I realized what a solid experience attending Poly was, and how it helped me become an adult and also make long-term friends."

In 1956, Dalziel received his BS in Electrical Engineering and served six months as a 2nd Lieutenant in the Army before taking a job at New York Telephone, a former subsidiary of AT&T. Dalziel made his mark at AT&T, at which, during his 35 years there, he rose to head of its operations in Iran and, later, to president of AT&T Europe. He retired in 1991 as vice president of global networks for AT&T International.

He remains active at Polytechnic, serving as a University trustee and chairman of the Board of Trustees' Student Affairs Committee. He has been a Poly 100 member since 1996. "As a citizen, you need to contribute to the organizations that you feel are worthwhile," he explains. "What better organization to contribute to than the one that built your own foundation for success."

William J. Ferracane '50

Retired the past 13 years as senior vice president, president of the chemical group and board director of Crompton & Knowles (now Crompton Corporation), William J. Ferracane '50 joined the Poly 100 this year. "I think it is alumni's responsibility to support the University's growth and well being," he says. "Poly has become quite a prestigious school. I want to help keep its standards high."

Ferracane grew up in Brooklyn, the son of Italian immigrants. In his teens, he worked as a pinboy at a bowling alley and telephone switchboard operator on the midnight shift at the New York Central Railroad. After graduating from Brooklyn Tech High School, he worked days as a lab technician while attending Poly at night. Six months later, he was drafted for a three-year stint, two of them in the Pacific, during World War II. "When I returned in 1946," he recalls, "there were 1,200 GI's just like me trying to enroll in Poly. I was one of the 500 who got in and one of the 350 who graduated in my class."

Recalling his studies at Poly, he says, "Certain required courses that I considered nonsense back then—English, writing and humanities—later became extremely valuable in my profession. Back then, we didn't expect engineers to be expert communicators and well versed in the arts. We know now that those skills are indispensable."

After graduating with a BS in Chemical Engineering, Ferracane got his first job, with the help of his mentor, Prof. Donald E. Othmer, at a company that made enzymes. The company later merged with Miles Laboratories Inc. In his 20 years with Miles, Ferracane rose to president of its chemical division before joining Crompton, producers of specialty chemicals and equipment. In addition to his other titles, he served as board chairman of several subsidiary companies before retiring in 1988.

Poly 100 Celebrates Eighth Year

Members of the Polytechnic 100 — alumni and friends who pledge $50,000 to the University over five years — celebrated their eighth anniversary on May 23 at Manhattan's Metropolitan Club. Now 79 members strong, the Poly 100 welcomed six new members: William Ferracane '50, retired senior vice president, Crompton Corporation; Larry W. Katz '58, first vice president, PaneWebber Inc.; Ines Mandl '47, professor emeritus, Columbia University; Alvin M. Natkin '52, retired chemical engineer, Exxon Corporation; John P. Schaefer '55, president, Research Corporation, and chairman, Research Corporation Technologies Inc.; and Morton L. Topfer '60, board member and counselor to the CEO, Dell Computer Corporation.

President David C. Chang shares a laugh with, at left, William Kramer '52, president, secretary and partner, SJ Realty Partners LLC; and Robert Prieto '76, Polytechnic trustee and chairman, Parsons Brinkerhoff Inc.

From left, Mary Lou and Robert Dalziel '56, Polytechnic trustee and retired vice president, AT&T; Ines Mandl '47; and Ursula Burns '80, Polytechnic trustee and senior vice president of corporate strategic services, Xerox Corp.
Dr. Carl Djerassi, an internationally renowned scholar, chemist and writer, urged Polytechnic's Class of 2001 to practice intellectual polygamy in this era of rampant overspecialization.

Djerassi, a professor of chemistry at Stanford University and a member of the American Academy of Arts and Sciences and the United States National Academy of Sciences, delivered the commencement address at Polytechnic's 146th Commencement, held June 3 at Avery Fisher Hall, Lincoln Center. He received an honorary doctor of science degree.

Honorary degree recipient Dr. Carl Djerassi delivers commencement address.

"Human knowledge continues to expand exponentially," Djerassi said. "Don't denigrate intellectual promiscuity, because all societal pressures will force you into the opposite direction—the straight jacket of narrow specialization."

President Dr. David C. Chang congratulated the students on their hard work and perseverance and reminded them that their education is not over. "I challenge you to continue to grow intellectually and to apply your knowledge in new areas," Chang said. "Continue to learn and continue to try thinking out of the box."

Richard J. Lavery who earned a combined bachelor's in electrical engineering, with a cumulative GPA of 3.985, and a master's in telecommunication networks, with a GPA of 4.0, delivered the valedictory address. Lavery told the graduates: "Do what you want to do, do what you have to do, be honest in all that you do and watch 'The Simpsons.'

Ying Ho (Betty) Yeung, a civil engineering major, was awarded the Outstanding Graduate Award by the POLYTECHNIC ALUMNI. The Distinguished Teacher Award was presented to Dr. Walter P. Zurawsky, associate professor of chemical engineering.

Dick Eden '73, president of the POLYTECHNIC ALUMNI, welcomed the new graduates into the ranks of the University's 38,000 alumni and installed the latest members of the Golden Jubilee Society, Class of 1951.

The ceremony culminated with the conferring of 310 bachelor's, 211 master's and 32 PhD degrees by Chang aided by Dr. Ivan T. Frisch, executive vice president and provost; Dr. Lorcan M. Folan, head of the Department of Introductory Design and Science and speaker of the faculty; and Ellen Hartigan, vice president for student affairs.

SYMBOL BBQ

Over 700 Polytechnic students, faculty and staff enjoyed lunch and giveaways at an April barbecue on the MetroTech Commons, hosted by Symbol Technologies. Symbol installed the wireless mobile-computing infrastructure on the University's Brooklyn and Long Island campuses and is collaborating with the Department of Electrical and Computer Engineering on research projects.

Right: President Chang with two Symbol executives, Tom Roslak, senior director, and Nikola Swartz, account manager.
Polytechnic Opens
Advanced Computer Science Labs

Polytechnic faculty, trustees, students and administration joined in a ribbon-cutting ceremony to open four state-of-the-art computer science laboratories for undergraduate students.

The 7,000-square-foot complex in Rogers Hall contains laboratories for software engineering, visualization and digital media, parallel and distributed processing and computer system integration and security. All are equipped for wireless communication, Computer and Information Science, which has 1,100 students, is the largest program at the University.

IN BRIEF

CATT Awarded $1.5 Million to Expand Research Activities

The Center for Advanced Technology in Telecommunications (CATT) received $1.5 million from New York State’s CAT Development Program to research and create new technologies and tools to help businesses and consumers maximize their use of the wireless Internet. Polytechnic will be the lead researcher in a joint initiative with Columbia University under the leadership of Prof. Shivendra Panwar, CATT director; Dr. Phyllis Frankl, project director; Dr. David Goodman, project scientific director; and Dr. Mel Horwitz, project technology-transfer director. The project researchers are from the Departments of Management, Computer and Information Science and Electrical and Computer Engineering: Drs. Henry Bertani, Frank A. Cassara, Darius Czarkowski, Elza Erkip, Lisa Hellerstein, Ramesh Karri, I-Tai Lu, Nasir Memon, Tim Moors, Gleb Naumovich, Mihir A. Parikh, Bharat Rao, Torsten Suel, Malathi Veeraraghavan, Yao Wang and Nina Ziv.

Poly Captures National Championship at Academic Technical Bowl

Polytechnic captured first place and the national championship at the Academic Technical Bowl, held in March and sponsored by the National Society of Black Engineers. The Poly team—comprising Zena Aviles ’02, Benjamin Fields ’01, Patrice Pean ’01 and Marissa Stokes ’01—defeated MIT, Princeton and Rensselaer Polytechnic Institute in the regional competitions before trouncing Stanford University to win the national crown.

IMAS Receives Grants from IBM and Swartz Foundation to Apply Math to Biology

The Institute for Mathematics and Advanced Supercomputing (IMAS), led by Profs. David and Gregory Chudnovsky, received $42,000 from the Swartz Foundation and $30,000 from IBM to support its activities in the University’s new Informatics in Chemistry and Biology Program. IMAS will use the grants to apply computer science and high-powered mathematics to genomics, proteomics and other areas of biology. The Swartz Foundation was established by Dr. Jerome Swartz ’63 ’69, a Poly trustee and chairman of Symbol Technologies Inc.

University Names Advisory Council for Long Island Graduate Center

Polytechnic has appointed a corporate Advisory Council for its Long Island Graduate Center to be chaired by James M. Smith ’71, president and CEO of the Long Island-based EDO Corporation. The council will advise Polytechnic on the educational needs of Long Island industry, including course structure and content and locations for the graduate programs. The University also announced that it will move the graduate center from its Farmingdale campus to another location in the Route 110 corridor.

NYC Science/Technology Forum Draws 500 HS Students

Polytechnic hosted the fourth annual New York City Science/Technology Forum attended by 500 students and teachers from 60 high schools. Held in May, the all-day event offered workshops and presentations from scientists, engineers and technologists from universities, companies and government agencies. The forum was sponsored by the Board of Education and Poly’s David Packard Center for Technology and Educational Alliances, headed by Dr. Noel N. Kriftcher.

Polytechnic Poll Finds Long Islanders Say Nation Headed for Energy Crisis

Long Island residents say the country is headed for a long-term energy crisis and fear there will be electricity shortages and blackouts on Long Island this summer, according to a new Polytechnic Long Island Technology Poll, which surveyed 401 Long Islanders. Other key findings include: Almost 70 percent oppose the construction of more nuclear power plants on Long Island; 6 in 10 oppose the opening of the Shoreham nuclear power plant; a majority of residents endorse carpooling, improving SUV fuel efficiency and price controls; and more than 7 in 10 fault the Bush Administration for rising energy prices. The Polytechnic poll is conducted quarterly; two previous polls were on transportation and cellular phone use on Long Island. (See energy poll story at www.poly.edu/news.)
Promise Fund Honors Herbert L. Henkel for Distinguished Service

More than 400 guests danced and laughed in the elegant Grand Ballroom of the Waldorf Astoria on June 12 as Polytechnic University celebrated its 13th annual Promise Fund Dinner. This year $1 million was raised to support scholarships and Poly's Youth in Engineering and Science (YES) Program. Trustee Herbert L. Henkel '70 '72, president, CEO and chairman of Ingersoll-Rand Company, received the University's Distinguished Service Award for Science and Technology.

Since its inception in 1988, the Promise Fund has raised more than $11 million in scholarship money, providing financial support to more than 600 deserving low-income students.

Above: The scene at the Waldorf=Astoria during the Promise Fund Dinner.

Right: Honoree Herbert L. Henkel ’70 ’72, holding his award, with Stewart G. Nagler ‘63, chairman of both the Promise Fund Board and Polytechnic's Board of Trustees.

Scholars Inducted

Dorothy Lemelson lights the candles for Namjin Cho and Oksana Voskoboymik, two of 15 students inducted into the Lemelson Scholarship Program this spring. Lemelson, widow of the inventor Jerome Lemelson '47 '49 'H'55, established the $1-million scholarship program last year to help working students complete their education. During the ceremony, Lemelson praised the students for their commitment to meeting high academic goals. "Your letters to me have conveyed a sense of purpose and achievement," she said. "I am very proud of you."

Jacobs Building Topped Off

A live Evergreen tree and American and Polytechnic flags attached, the last steel beam was hoisted 120 feet above Jay Street and placed in position on May 18 to complete the steelwork on the Joseph J. and Violet J. Jacobs Building. The eight-story, 68,000 square-foot building will open for students in fall 2002 and house classrooms, laboratories, lecture halls and an athletic facility, including a multi-purpose gymnasium.
SPOTLIGHT ON:
Department of Electrical and Computer Engineering

Celebrating its 115th year at Poly, the Department of Electrical and Computer Engineering has adopted a new name and created new labs and courses, a new lecture series and a new degree program for computer engineering. Spearheading this time of change is a new department head, Dr. David J. Goodman, who joined Polytechnic in 1999 from Rutgers University.

Although changes have abounded since his arrival, Goodman’s mission hasn’t strayed: To increase the value of a Polytechnic degree. “We are accomplishing that in two ways,” he explains, “internally, by giving students the skills, knowledge and networking contacts to become successful; and externally, by developing professionals with outstanding skills and knowledge and by performing research that raises the department’s visibility in industry, government and academia.”

One of the first changes was to the name, previously Department of Electrical Engineering. “In the past five years,” says Goodman, “the department has grown to include the wireless Internet and computer engineering and offers BS and MS degrees in computer engineering in conjunction with the Department of Computer and Information Science. The new name makes our focus clear to the industry and to potential graduate and undergraduate students. It also aligns us with the nomenclature of other leading research universities.”

The department has already made a name for itself in wireless education, including a nationally recognized summer workshop on wireless communication taught by Prof. Frank A. Cassera. Faculty from around the country attend an NSF-funded workshop on the Long Island campus to learn about wireless information networks and how to develop a laboratory at their own institution.

In 2000, following the introduction of Poly’s 4-credit curriculum, the department redesigned its courses for the first three years, making them, in Goodman’s words, “as modern as they can be.” The department also launched a lecture series, sponsored by Symbol Technologies, that brings acclaimed scientists and researchers to campus and broadcasts their lectures live on the Internet.

In addition, the department announced a new Master of Engineering program in Interdisciplinary Studies in Engineering co-sponsored by the Departments of Management and Computer and Information Science; the program is for working professionals who need to understand complex issues arising from today’s wireless technologies. A future program is in the works for a wireless data concentration for the MS in Electrical Engineering, which the department hopes will make its MS program attractive to professionals seeking credentials with a strong wireless communications concentration.

This year, the department opened a new undergraduate computer engineering lab complex and updated its current labs. “Our Wireless Systems Lab is popular with undergraduates,” notes Goodman. “It’s one of the few university labs in the country where students get hands-on experience in that technology.”

As Internet and wireless communication become recognized as the main technologies driving today’s Information Age, he predicts that their convergence will be the next big thing. “However, the technology is not good enough yet,” he says. “We plan to fix that.”

He is backing that promise with a research initiative named DREAM IT, an acronym for “Dynamically Reconfigurable Energy-Aware Multimedia Informational Terminal.” The project’s main focus is to extend the life of batteries in advanced information terminals with communications capabilities such as camcorders, digital cameras, personal organizers and laptop computers. “Imagine having someone capture your child’s Little League game on a camcorder and you being able to watch it live on your computer screen while you’re on a business trip,” says Goodman. “We want to make that happen. Unfortunately, present-day portable gadgets burn up batteries too fast, and it will only get worse as they combine several functions. DREAM IT will help turn that situation around.”

Four professors are working with Goodman on DREAM IT: Dr. Dariusz Czarkowski, a specialist in power engineering; Dr. Eliza Ertug, an authority in information and communication theory; Dr. Ramesh Karri, an expert in encryption and integrated circuits; and Dr. Yao Wang, an award-winning researcher in video coding.

Goodman, himself, is internationally recognized in the field of wireless power control. DREAM IT is supported by Polytechnic Center for Advanced Technology in Telecommunications, which recently received $1.5 million from New York State to expand its high-tech R&D activities (see article on page 5). The project team is also working with Symbol Technologies, exchanging ideas and sharing resources.

To learn more about the department, visit www.ece.poly.edu.
Daniel E. Robinson: A Pioneer in Telecommunications Research

Daniel E. Robinson ’55 was a research supervisor at General Cable Corporation when a surprise telephone call from NASA in the summer of 1967 catapulted him into one of the most exciting periods of U.S. space exploration.

The frequent lightening storms that battered Florida’s Kennedy Space Center were knocking out communications tracking systems for the Mercury and Apollo space capsules, forcing NASA to delay launches. A noted expert in communication cable and instrumentation, Robinson was called in to fix the problem. “The solution was really simple, and I learned it at Poly,” he explains. “The lead sheath used to cover the communication cable provided a path for lightning. I recommended disconnecting the lead sheath from the shield of the cable, and that did the trick.”

Robinson, who earned a master’s in electrical engineering from Polytechnic, is the founder and retired chairman of SEICO (Specialized Electronic Instrument Company) in Perth Amboy, N.J. SEICO, a pioneer in telecommunications research, developed the instrumentation to measure qualities of VHF and UHF transmission lines. “When I founded the company in 1969,” he says proudly, “we were on the forefront of the telecommunications revolution.”

A World War II U.S. Marine veteran who served in the South Pacific, Robinson was born in Philadelphia and raised in a small town in North Carolina. “I was a battalion communications chief in the Marine Corp, and that’s where I discovered my vocation in life,” he says.

Following the war, he enrolled at Howard University and graduated with a bachelor’s in electrical engineering. He began his professional career at General Cable Corporation in New Jersey and journeyed to Brooklyn at night to complete his master’s at Poly.

Looking back nearly five decades, Robinson recalls the man who drew him to study at Polytechnic. “He was larger than life, a dynamic man with an outstanding reputation,” he says of Ernst Weber, an internationally acclaimed electrical engineer, founder of Polytechnic’s Microwave Research Institute (now called the Weber Wireless Research Institute) and a former president of the University. “One of the few people in life you never forget meeting,” he adds.

Robinson and his wife, Ruth, recently celebrated their 50th wedding anniversary. His recipe for professional and personal success can be summed up in one word—love. “If you marry, do it for love,” he says. “When you enter a profession, do it because you love it. You have to be passionate about life.”

TOPFER HONORED

Polytechnic honored Morton L. Topfer H’00 for his $2.5 million gift during a May luncheon on campus. The gift will endow the Morton and Angela Topfer Distinguished Chair in Technology Management in the Department of Management. Topfer, board member and counselor to the CEO at Dell Computer Corporation, did graduate work in physics at Polytechnic. Speaking at the luncheon, Topfer addressed key challenges facing high-tech industry. “Technology companies need strong management and experience to navigate a downturn in the economy,” he said. “The ability of companies to adapt to change is key to survival.”

A Presidential Pardon, Please

We inadvertently omitted Dr. Seungtaik Yang ’77, president of Korea’s Information and Communications University, in our story last issue about Poly faculty and alumni who serve as college presidents. Dr. Yang earned a PhD in Electrical Engineering from Polytechnic. Also, two other members of the Poly community are serving as college presidents: Dr. KunMo Chung H’95, president of Hoseo University in Korea, and Dr. Walter E. Massey H’00, president of Morehouse College.
Board Elects Two New Trustees

Polytechnic's Board of Trustees has confirmed the appointments of two new trustees. Herbert L. Henkel '70 '72 is chairman, president and CEO of Ingersoll-Rand Company, a global manufacturer of construction and industrial machinery headquartered in New Jersey. Dr. John P. Schaefer '55 is former president of the University of Arizona, chairman of the Research Corporation Technologies Inc. and president of the Research Corporation, a science and technology foundation based in Tucson, Ariz.

FACULTY NEWS

Dr. Henry L. Bertoni '62 '68, professor of electrical and computer engineering, received an IEEE VTS Jack Newbauer Memorial Award for a paper he co-wrote with former doctoral student, Dongsoo Har '97. The paper, "Effect of Anisotropic Propagation Modeling on Microcellular System Design," was recognized as one of the best systems papers published in IEEE Transactions on Vehicular Technology.

Chancellor George Bugliarello received a Community Service Award from the Brooklyn Friends School during its "Festival of Amigos." The school recognized him for his role in creating MetroTech Center.

Dr. H. Jonathan Chao, professor of electrical and computer engineering, received a 2001 Best Paper Award from IEEE's Circuits and Systems (CAS) Society for his paper "On End-to-End Architecture for Transporting MPEG-4 Video Over the Internet" (co-written with D. Wu, Y. T. Hou, W. Zhu, H. J. Lee, T. Chiang and Y. Q. Zhang). The article was published in CAS Society's Video Technology Transactions.

Dr. Yi-Jen Chiang, assistant professor of computer science, received a $323,954 five-year NSF CAREER grant for his research on "Theory and Practice of Applied Geometric Computing."

Dr. Zhong-Ping Jiang, assistant professor of electrical and computer engineering, received a $375,000 five-year NSF CAREER grant for his research on "Robust Nonlinear Control: Problems and Challenges from Communication Networks," which will develop non-linear feedback design tools for important classes of decentralized nonlinear systems with applications to communication networks.

Dr. Gleb Naumovich, assistant professor of computer science, received a $307,959 five-year NSF CAREER grant for his research on "Improving Scalability of Finite State Verifiers."

Dr. Torsten Suel, assistant professor of computer science, received a $304,906 five-year NSF CAREER grant for his research on "Algorithmic Techniques for Massive Data Sets."

IN MEMORIAM

John G. Duba

John G. Duba, former professor of environmental engineering and head of the Department of Civil Engineering, died December 27, 2000, in Evanston, Ill., at age 79. Duba taught at Polytechnic from 1967 to 1989 before becoming administrator of New York City's Municipal Services Agency. He also served as an assistant to Chicago Mayor Richard J. Daley and ran that city's Department of Urban Renewal and Department of Development and Planning. In the 1970s, he was vice president for airports and materials at the Air-Transport Association, and from 1981 until 1992, he headed operations at Kansas City International Airport. He is survived by children Doug, Cindy Schuman and Phyllis Propp; eight grandchildren; and three great-grandchildren.

Eli A. Mishkin

Professor Emeritus Eliel (Eli) A. Mishkin died May 2 in Brooklyn at age 84. Mishkin joined Polytechnic in 1959 and taught and did research for more than 30 years in electrical engineering and applied physics before retiring in 1987. During his career, he also served on the faculty at MIT and was a visiting professor at Harvard, Technion, Tel Aviv University and the Lawrence Livermore National Laboratories. He is survived by his wife of 53 years, Esther; sons Arnon and Jonathan; and five grandchildren.

Clifford W. Osborne

Professor Emeritus Clifford W. Osborne died at age 92 on April 15 in Tappan, N.Y. From 1946 until his retirement in 1973, he taught American literature to Polytechnic students and was acting head of the English Department in 1971. He also served on the committee that negotiated the merger between Poly and NYU School of Engineering and Science and signed the 1973 merger agreement on behalf of the Polytechnic faculty. After retiring, he was a speech consultant and taught at Rockland Community College. He was also a published poet and accomplished opera singer and was bass soloist for several churches and synagogues in Westchester and Rockland Counties. He is survived by his longtime companion, Susan Gewertz; children Conrad and Suzanne; three grandchildren; and two great-grandchildren.
ALUMNI PRESIDENT’S CORNER

On June 3, I had the pleasure of participating in Polytechnic’s 146th Commencement. My duties included congratulating the first graduating class of the 21st century, installing the members of the Class of 1951 to the Golden Jubilee Society and presenting the POLYTECHNIC ALUMNI’s Outstanding Graduate Award to Betty Yeung, who had an outstanding record of academic achievements and extracurricular activities for the Class of 2001.

To the new members of the POLYTECHNIC ALUMNI, welcome to our family of almost 40,000 peers. Just like us, you spent several years of your life at Poly and have gained the knowledge, skills and opportunity to help shape the future. Please remember, the POLYTECHNIC ALUMNI is your organization, created to keep you connected to your alma mater, teachers and classmates. I urge you to be involved. It is a wonderful opportunity to network with successful alumni and to offer guidance to future graduates.

Alumni reconnecting and networking were in abundance around Commencement. On June 2, members of the Golden Jubilee Class of 51 reunited on campus for a celebratory lunch. On June 3, graduates from 1976 were inducted into the Silver Jubilee Society during the annual POLYTECHNIC ALUMNI dinner meeting. It was also an occasion for the Big Apple Chapter to present its 2001 Alumnus of the Year Award to Dr. Henry L. Bertoni ’62 ’68, professor of electrical and computer engineering at Polytechnic.

All these events were happy and moving occasions for any Polytechnic student, past and present. I salute the Class of 2001 for its energy, enthusiasm and future endeavors, and I salute the members of the Golden and Silver Jubilee Societies for their achievements that have added luster and prestige to Polytechnic.

Best wishes.

[Signature]

Polytechnic Salutes Alumni Achievers

Mark H. Ronald ’68, Richard W. Sbaschnig ’69 and Michael Sivetz ’43 were recently honored with Polytechnic Alumni Achiever Awards.

Ronald is president and CEO of BAE SYSTEMS of North America, a $4-billion leading defense, aerospace and information technology company. He earned a master’s in electrical engineering from Poly.

Sbaschnig, a senior technical specialist with the Ford Motor Company and the holder of two patents for advanced automotive technology, graduated with a bachelor’s in physics.

Sivetz is founder and president of Sivetz Coffee Inc., a manufacturer of instant-coffee extractors and fluid-bed roasters, and a consultant to coffee producers worldwide. He holds a bachelor’s in chemical engineering from Polytechnic.

MEMORIAL TO POLY’S WAR DEAD

The POLYTECHNIC ALUMNI needs your help in establishing a memorial to students and alumni who gave their lives in service during our nation’s wars. Alumni President Dick Eden ’73 announced the effort at the organization’s annual meeting on June 3.

Although Poly’s colors are blue and gray, originating from the U.S. Civil War, the University has no fitting memorial for alumni and students whose lives were cut short in war time.

“We are asking alumni, family of alumni and readers of Cable to notify us of any anyone—classmates, relatives or friends—who attended Polytechnic and was killed in military service since 1854,” Eden said.

Mail names and any other pertinent information to Vice President Richard Thorsen at Polytechnic University, 60 MetroTech Center, Brooklyn, NY 11201, or fax it to 718/260-3755 or e-mail to rthorsen@poly.edu.

NOMINATIONS FOR HONORARY DEGREES

Nominations for honorary degrees to be conferred at Commencement 2002 are invited from University alumni and friends. Candidates need not be Polytechnic alumni but should have demonstrated extraordinary contributions to technology, science or society.

Nominations, including a biography and statement regarding the nominee’s extraordinary contributions, should be sent by September 15 to Vice President Richard Thorsen at Six MetroTech Center, Brooklyn, NY 11201 or faxed to 718/260-3755.
Alumni Leaders Champion Technical Education

Three alumni leaders from the engineering, high-tech, and financial service sectors returned to Polytechnic to share their insights and business experiences with students during the Leadership Seminar Series, sponsored by the Office of Development and Alumni Relations. The leaders told students that having a technical background is a tremendous asset for success in business.

The speakers were Michael H. Kappaz '70, chairman and CEO of K&M Group of Companies; Eli S. Lustgarten '66, managing director and associate director of research at H.C. Wainwright & Co. Inc.; and Daniel E. Robinson '55, founder and retired chairman of SEICO (see article on page 8 for more on Robinson).

Left: Michael H. Kappaz '70: "Hire top talent with a shared vision. The demise of dot.coms is the direct result of poor management."

Eli S. Lustgarten '66: "Understanding data and taking it to the next level is imperative for success on Wall Street. Generating income is the name of the game."

Daniel E. Robinson '55: "Don't take a job just for the money. You have to love what you do."

BERTONI HONORED

Prof. Henry L. Bertoni '62 '68, right, received a 2001 Alumnus of the Year Award from the Big Apple Chapter during POLYTECHNIC ALUMNI's annual reunion and meeting. The June 5 event also celebrated the Class of 1976's 25th anniversary. Standing with Bertoni are Jim Oussail Jr. '77, left, and Dick Eden '73, secretary and president, respectively, of the POLYTECHNIC ALUMNI.

GOLDEN JUBILEE

Members of the Class of 1951 returned to Polytechnic on June 2 to celebrate their 50th anniversary reunion. After touring the MetroTech campus and construction sites of the new academic building and residence hall, the group was feted at a luncheon. Class of '51 participants included, from left, seated: Nicholas Kerasotis, Allen Parmet and his wife, Zara. Standing: Alfred Muscar; his wife, Jacqueline; and Stanley Millman.
CARL SETTERSTROM (CE) retired from consulting after 33 years in a partnership with PETER P. REGNA '32 (CH) '37 (CH) '42 (PO) 'H94. Prior to consulting, he worked for Rexall, Pfizer, Sun Oil and Union Carbide.

O. ARTHUR OLSEN (CI) moved to Willow Valley Lakes Manor, a "life-care" facility in Pennsylvania, where he enjoys walking and golfing. His wife has Alzheimer's disease and lives at the same facility. ELMER L. TORRE (EE) and his wife, Helen, moved to an independent-living community, Thornwood Place, on Cape Cod. They enjoy visits from their three daughters and four granddaughters.

WILBUR ERIKSEN (ME) moved to Latham, N.Y., where he spends time with his children, grandchildren and great-grandchildren.

LAWRENCE KATZ (EE) is retired and living in Sarasota, Fla.

FREDERICK G. SAWYER (CE) '41 (CE) '43 (CE) visited China to consult on management communication problems in the petrochemical industry and study geological formations so as to reproduce Chinese brush art techniques. This fall, he travels to Xi'an to teach conversational English to Chinese students and adults.

HAROLD STRAUS (ME) and his wife traveled last summer to Israel, Turkey, Greece and Egypt.

ROBERT H. EISENGREIN (EE) is 80 and active in environmental work with state groups and Massachusetts communities. He received a Citizen Activist of 2000 Award.

EDWARD J. GIBBONS (ME) is retired as a mechanical engineer.

WILLIAM EVenson (CE) is retired from Sterling Drug Inc. JOHN J. STEINKE (ME) '46 (ME) is retired and living in Lakeland, Fl. His wife of 56 years died three years ago.

STANLEY JONES (ME) is retired as a master engineer.

DO YOU HAVE A SPECIAL POLY STORY YOU WANT TO SHARE WITH US?

Send us your favorite Poly anecdote. We'll publish the best three stories in a future issue of CABLE.

John J. Giba '32 recently wrote about one of his favorite memories:

"One day we came to Prof. Slack's class early and read how, in the classroom, he always had a trick on him. Without having an eyelash, he unraveled the tension. With the trick on him, he taught us how to analyze a problem and logically fix it."

Send your story to: Therese E. Tillett; Mail: Polytechnic University, Six MetroTech Center, Brooklyn, NY 11201; E-mail: tillett@poly.edu; Fax: 718/260-3084. Your story cannot exceed 300 words and may be edited for clarity or length. Please include your name, class year(s) and telephone number.

ROBERT C. CANAPARY (CE) '48 (CE) '52 (CE) retired after 17 years in the chemical industry and 33 years as a financial planner. He has five children and seven grandchildren.

STANLEY M. MILLMAN (CE) '51 (CE) is retired and now travels, golf and spends time with his children and grandchildren. LOUIS A. ROSENTHAL (EE) is professor emeritus at Rutgers University.

STANLEY J. MAZUR (EE) and his wife spend winter and summer in Santa Monica, Calif., and spring and fall in New York City with children and grandchildren in both locations. They traveled to Italy last year.


ANTHONY J. BIANCULLI (ME) is retired from his consulting business and just published Vol. 1 of Trains and Technology (University of Delaware Press), which covers American locomotives of the 19th century. He is also a trustee of his local library, member of ASME's Trenton Section and participant in an effort to establish a museum for railroad and transportation in New Jersey. HELLMUTH R. LINDNER (ME) celebrated his 50th wedding anniversary over the summer.

ALBERT A. LINQUITI (EE) '51 (EE) is retired in Santa Barbara, Calif.

RAYMOND M. BENNETT (EE) earned a PhD in Electrical Engineering last year from Florida Atlantic University.

BERNARD GOLDBERG (CE) is an adjunct professor in the Industrial Engineering Department at the University of Houston.

GEORGE "Pistol" Haun (EE) (EE) lives in Grand Rapids, Mich., where he is an elder in his church and follows Calvin College basketball. He thanks Poly for being the first nomination into the Basketball Hall of Fame and would like to hear from any basketball teammates from 1945 to 1950.

HOWARD W. WOHLITZEN, PE (CE) lives in Scarborough, Maine.

HERMAN FLAKOV (AE) was the honoree of the Long Island Software Awards in May and received a 2001 Humanitarian Award from the Long Island Chapter of the Crohn's and Colitis Foundation.
Members of the Class of ’51 Celebrating 50 Years Ago


director of drug regulatory affairs after 30 years with Bristol-Myers Squibb. JACK ROBINS (CH) lives in Florida.

60 MARTIN GOTTLIEB (EE) is president of American Institute of Engineers Inc.

66 JOEL CHESLER (AE) ’67 (MA) received the 2001 Engineer’s Council Award for his participation in the B-2 Stealth Bomber Program at Northrop Grumman.

67 FRANK M. CLEMENTE JR. (CI) is chief geotechnical engineer of TAMS Consultants Inc. RICHARD H. KREMER (HU) is executive vice president and chief human resources officer for Conoco Inc., headquartered in Indianapolis. FRANK TAGLIAFERRURO (CE) is director of content management solutions at Impact Systems in Delaware.

68 PETER J. KESTENBAUM (EE) ’71 (EE) is vice president for marketing and sales at Pslogix, a software firm specializing in secure payment technology. JOHN LEVCHUK (EE) ’72 (EE) is vice president of program and product management at Kryotech in Columbia, S.C.

ARNO LD REISMAN RECEIVES ECE’S SOLID STATE SCIENCE AND TECHNOLOGY AWARD

ARNO LD REISMAN ’58 received a 2001 Solid State Science and Technology Award from the Electrochemical Society (ECS). In March, he attended the society’s annual meeting in Washington, D.C., where he accepted the award and spoke on “Sealing, the ‘n’ the D, Hot Electrons and Making of Small Structures: The Road to Smallness is Strenuous.” Reisman is professor emeritus of electrical and computer engineering at North Carolina State University and holder of over 50 issued patents. Prior to joining the university in 1982, he spent 30 years at IBM, where he was one of the first 13 physical scientists hired to help start the original T. J. Watson Research Center in New York City. A fellow of ECS and the IEEE, he has served as divisional editor of the Journal of the Electrochemical Society and editor of the Journal of Supercomputing and Journal of Vacuum Science and Technology. He also co-founded, in 1972, the Journal of Electronic Materials.

ARNOLD REISMAN

of America Inc. He also welcomed the arrival of great-granddaughter Elana in March.

WALTER GRAYSON (MG) ’55 (MG) retired in 1992 after 26 years as a project manager with TRW. He lives in Santa Monica and volunteers, travels and takes courses.

GERALD W. KARLSRUHER (ME) is in his 10th year of retirement and divides his time between Hamilton, Mass., and Naples, Fla. He recently ended his volunteer work as president of AARP Massachusetts. MICHAEL A. MOSCARELLO (EE) teaches mathematics at Eastfield College in Dallas. DAVID NEGRIN (EE) is chairman of the Executive Service Corps, a management consulting firm for non-profit public service agencies in the San Francisco Bay Area.

FRED ROBERTS (EE) and his wife, Ann, celebrated their 50th wedding anniversary last year with their five children and 10 grandchildren. Retired since 1989, Fred is active in amateur radio and can be reached at wg4kv@ari.net.

ISIDORE SHIFFMAN (ME) has been married 52 years with five grandchildren and is retired as an engineer consultant for sculpture and ceramics.

JACK BARONIAN (ME) is enjoying success as a bridge player at a senior citizens center. He has two daughters—one an art teacher and the other an immigration lawyer.

DAN KATZENSTEIN (AE) retired from Grumman Aerospace and is restoring a WWII Grumman aircraft. ELLIOT L. SHAPIRO (CH) retired in 1984 after 32 years with Schering-Plough. He invented mometasona fumurate, used to treat a variety of skin conditions and the basic active ingredient in Elcon and Nasonex (the first two letters in Elcon come from Elliot’s first name). His e-mail address is ibro@prodigy.net.

MARTIN S. ABELOW (EE) and his wife, Jean, visited Rome and Sicily this year. MARTIN ANNENBERG (AE) is grandfather to three and continuing his second career as a paralegal, doing revocable living trusts.

ANDREW L. NEY (EE) organized and spoke at a workshop hosted by the Licensing Executive Society International for the NATO Science for Peace Programme in Moscow.

ROCCO R. RUGGIERO (MA) ’63 (MA) retired from Lockheed in 1997 and is now a systems consultant for L-3 Communications Company and Local Space & Communications Inc. He and his wife of 38 years, Mary, have three children and four grandchildren.

MICHAEL R. ELIA (EE) is an editor of college textbooks.

ROGER D. LLOYD (MT) ’63 (MT) retired in 1999 after 14 years as a laboratory manager with Ohio-based PCC Airfoils Inc. He moved to Huntington Beach, Calif., to play golf and spend time with his grandchildren.


HAROLD JACOBSON (CH) retired as director of drug regulatory affairs after 30 years with Bristol-Myers Squibb. JACK ROBINS (CH) lives in Florida.
69 Charles S. Dimarco PE (CI) '72 (TP) is an associate partner at Volmier Associates, a national engineering, landscape architecture and planning firm. Frederick J. Dymek (ME) is a senior project manager with DMJM & Harris, where he is overseeing HVAC, electrical, plumbing and fire protection contracts for the new Staten Island ferry terminal project. Joseph A. Giovannielo (ME) lives in Woodlands, Tex. His wife, Leslie, died recently after 29 years of marriage. Steve Hagis (SC) is managing decentralization upgrade for portfolio accounting systems at Merrill Lynch. Edward T. Wolyntyc (CE) is group vice president of strategic technologies and chief technology officer for Engdahl Corp.

70 Loren Gelber (CH) is director of pharmaceutical compliance at Andrx Corp. in Davie, Fl. His third grandson was born last year. Shu Muk Lee (CH) ‘76 (CH) is a senior patent attorney at Merkel & Co.

71 Norman Braerman (SE) and his company, NB Consultants, are assisting Amadeus and British Airways on their joint venture. Bernard Demarinis (EE) is a technical editor for the Armed Forces Communications and Electronics Association (AFCEA) 25th annual Control Communications Symposium to be held September 2001.

72 Michel Bitritto (CH) is a global segment manager for optical polymers at Celanese and lives with his husband and daughter in New Jersey. Donald Demaria (MA) retired last year after 35 years with Xerox Corp. He earned a private pilot license this spring. Robert Wurtz (EE) is director of internal audit for Taro Pharmaceuticals Industries.

75 Dinesh Ghia, PE, (CI) is chief estimator at the Gilbane Building Company and currently working on the Astrodome Expansion project in Houston.

77 Michael E. Brandt (PH) is director of the Center for Computational Biomedicine at the University of Texas, Houston, Health Science Center. He welcomes collaborations with the Polytechnic community and can be e-mailed at mbrandt@uh.edu. John P. Reilly (LS) is an orthopedic surgeon on Staten Island. His daughter, Goldenberg (CH) is a research scientist in the Pharmaceuticals/Drug Delivery Department at Amgen in Thousand Oaks, Calif. Richard A. Loretz (NB) is a fuel project manager for Westinghouse Electric Company, CE Nuclear Power LLC. David E. Nisenson (ME) works for El DuPont in Richmond, VA. Robert R. Robertazzi (BI) is a freelance biomedical research consultant and adjunct instructor in the Department of Cardiothoracic Surgery at SUNY Downstate Medical Center in Brooklyn. He is also consulting for Brooklyn Hospital Center's Department of Obstetrics and Gynecology.

80 Lucy Law (CE) is an information technology specialist for IBM in Westchester, N.Y. Anthony M. Licandro (CS) is a project manager with Lucent Technologies. He is married with three children. Carol Mancuso (CE) is an associate professor of medicine at Cornell University Medical College and a clinical researcher for chronic diseases. She and her husband, Terence Finn, have two children, Anthony and Peter. Frank Robertazzi (EE) is vice president of worldwide distribution sales at Agilent Technologies Semiconductor Group.

81 Linas Alinskis (CS) is heading up a quality assurance program at Egevra, an Internet startup, in Marlborough, Mass. He and wife, Paulina, welcomed a second daughter, Veronika, last August.

82 Arlene Fuhrbrugge-Watts (EE) is senior staff information technology engineer. She received her MBA from Central Michigan University and is both MCSE and MCM certified.

83 Maureen Dolan (OR) ’91 (OR) received funding from the New York State Energy Research Development Authority for a feasibility study on combined heat and power/district energy system. She is an associate professor of mathematics and energy manager, and operations adviser at SUNY Old Westbury. Henry Ramallo (AE) is a vice president and portfolio manager at Neuberger Berman. He and his wife, Teresa Nespori, ’82 (CI) have three boys, Nicholas, Daniel, and Joseph. John T. Yin (ME) is a vice president with Expion Solutions, a management consulting company owned by Hitachi Corporation. He and his wife, Heidi, have one son, Christopher, and are expecting twins this summer.

84 Valerie Cunningham Gilford (IE) is the national director of leadership development for the Girl Scouts. Warren Hirsh (CH) retired from teaching chemistry at Edward R. Murrow High School and is now an adjunct professor at Brooklyn College.
ROBERT J. ESTEVE (ME) earned a master's in business last year from Rochester Polytechnic Institute. He is an assistant fire chief with the Colchester-Hayward Volunteer Fire Company in Connecticut.

JOHN FUSCO (ME) published a feature article in the October 2000 issue of Embedded Systems Programming. ARTHUR A. REYES (AE) received a $10,000 research grant from the University of Texas at Arlington, where he is an assistant professor of computer science and engineering. He also shared in a $35,000 research grant from the Naval Air Warfare Center/Aircraft Division.

SALVATORE LOMBARDO (CE) works in the structures and police programs departments for the New York City Transit Authority.

MICHAEL MCGINNIS (SE) welcomed twins, Zachary and Isabella, last October. BRIAN K. MCRAYE (EE) is a server operations manager at Chase Manhattan Bank. He and his wife of 10 years, Ana, have two daughters, ages 4 months and 3 years.

CHRISTOPHER ANDREOLA (CH) is manager of research and development for the specialty chemical business unit of the Cambrex Corp. He lives in New Jersey with his family.

BART PANETTIERI (EE) is a programming analyst at Prudential Securities Inc.

ERNEST GERBITZ (EE) works for Evenide Corporation in Little Ferry, NJ.

BEN LIANG (EE) is a doctoral student at Cornell University.

ELIZABETH CREFIN (CM) is a consultant at Proxicom Inc., an e-business consulting and development company. JOEL LESSINGER (CS) lives in North Carolina. His mother, Lousia, died recently.

IN MEMORIAM

David Himmelfarb '32 • Francis W. Crotty '34 • Henry J. Peters '34 • Walter E. Estee '36 • Lewis G. Cooper '40 • William J. Moran '40 '49 • Wilfred R. Grosser '42 • Anthony Fedewitz '45 • Hermann J. Larson '45 • Robert J. Blazek '48 • Harold Greenfield '48 • Robert J. Mennick '48 • Glenford J. Wengabel '48 • Mortimer M. Eklund '49 • Norman A. Levin '50 • Joseph G. Singer '51 • Herbert Grayson '52 • James J. Nolan '55 • Robert Cestaro '56 • Harold Corey '57 • John J. Loree '60 '64 • E. Ronald Schinelle '64 • Walter J. Littles '65 • William C. Beck '66 • Reginald L. Sasso '73 • Richard R. Shaw '79

Peter P. Regna, 1907–2001

Dr. Peter P. Regna '32 '37 '42 'H'94, a distinguished research scientist, dedicated supporter of Polytechnic and co-founder and managing partner of Harrington Research Company, died June 29.

During a career spanning half a century, Regna played a key role in discovering, developing and manufacturing many of the drugs that revolutionized modern medical practice. At Pfizer Inc., he was part of the team that, in 1950, discovered Terramycin, an antibiotic effective against more than 100 diseases. He also played a key role in the production of penicillin, streptomycin and other antibiotics. Later at Squibb Institute for Medical Research he was among the first to explore the new field of genetic engineering.

As co-founder and managing partner of Harrington Research Company, Dr. Regna did groundbreaking research in such areas as carbohydrate chemistry, synthetic vitamins and structural antibiotics. He held more than 35 patents and received many honors, including the Perkin Medal from the American Section of the Society of Chemical Industry.

The son of a professional musician and a musician himself, Regna financed his Polytechnic education by playing clarinet, violin and saxophone in dance bands. He earned his bachelor's and master's in chemistry in 1932 and 1937, respectively, and a PhD in polymeric material in 1942. For over 30 years he was a dedicated supporter of Polytechnic and was awarded a Distinguished Alumnus Award in 1966 and an honorary doctorate from the University in 1994.

Last year, Regna made a $1.5 million gift to the Campaign for Polytechnic—Fulfilling the American Dream—to endow an advanced laboratory in biotechnology and a new student activities center on the MetroTech campus. The center will be named in honor of Dr. Regna and his wife, Barbara.

Dr. Regna is survived by his wife and two sons, Robert and Peter.

David Steen, 1923–2001

David Steen '49, who played a pivotal role in the nation's first manned mission to the moon, died March 29, in Woodbury, N.Y. He was 77.

Steen, an electrical engineer for Grumman's space program, was in charge of designing the device to cut the link between the part of the lunar module that Neil Armstrong and the other astronauts were taking home, and the part they were leaving on the moon. Steen's name, along with the names of the three astronauts and everyone involved in the landing, were left on the moon.

Born in Queens, Steen volunteered for the Navy at the start of World War II, when he was 19. After the war, he attended Polytechnic, earning a bachelor's in electrical engineering in 1949.

He is survived by his wife, Jean; children Carl, Craig and Conrie; and eight grandchildren.

George A. Fox, 1920–2001

George A. Fox '42, a civil engineer who made a name for himself designing and managing major roads, bridges and tunnels, died at age 81 on May 17.

As a top executive of the Grow Tunneling Corporation, Fox was responsible for his company's largest project to date—construction of a 60-mile Third Water Tunnel beneath New York City, described as the nation's largest public works project. The tunnel, started in the mid-1970s and expected to be completed by 2020, is intended to protect the city from breakdowns in its two existing tunnels, both more than 60 years old.

Born in Pittsburgh, Fox received his BS and MS in Civil Engineering from the Cooper Union for the Advancement of Science and Art and Polytechnic, respectively. He served in the Navy Civil Engineering Corps in the South Pacific during World War II before joining Grow Tunneling in 1946.

In the mid-1990s, Fox retired as president and chairman and focused his efforts on education, creating a course at Cooper Union, which he taught until last year, and serving as its board chairman.

He is survived by his wife, Cecily; children Andy, Roger and Alice; and three grandchildren.
Cable
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The Lynford Lecture Series
presents
Dr. Alan Kay
Fall 2001
Polytechnic University

Dr. Alan Kay is considered by many to be the most influential computer scientist of the modern era. Among his accomplishments are the concept of the notebook computer and the inventions of graphical user interface and object-oriented programming.

"The best way to predict the future is to invent it."
—Dr. Alan Kay, pioneer of the modern personal computer

Date and time of lecture to be announced. For more information, msudan@poly.edu or 718/260-4016.

Last Issue's Poly Quiz Results

Winner of Drawing for Previous Quiz: Matthew C. Baum '52, who won a Poly sweatshirt.

The following other people figured the correct answer of 23 to the quiz: How many people do you need in a group to ensure at least a 50 percent probability that two people in the group share a birthday?

Robert C. Ackerberg
Murray Applestein '73
Richard Brody '62
Howard Collins '67 '70
John S. Craparo '90
Jean Develet '53 '54
Benjamin Fitz '96 '99
Mary Geary '88
James J. Guida '79
Howard Jadlow '56
Robert Katz '89
Om P. Kharbanda '49 '54
Ming Lam '96 '00
Stuart B. Linzer '68
Stanley Nathanson '83
J. P. O'Donohue '56
Mitchell Preiss '79 '86
Michael Rosen '65
Herbert Schiller '65 '73
Victor H. Seliger '48 '51
Jerome D. Simon '63
Daniel Sommer '85 '88
Alexander C. Wirtkowizki '90 '93
Michael J. Zoccoli '64 '66

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: Henry III of England defined which unit of measurement by placing three barleycorns in a line?

Send your answer and size (S, M, L, XL) to Therese E. Tillet, e-mail: tillett@poly.edu, fax: 718/260-3084; mail: Polytechnic University, Six MetroTech Center, Brooklyn, NY 11201.