THE PASSION OF A BASKETBALL COACH:
Laddy Baldwin celebrates 25 years at Poly

The quiet demeanor and kind eyes belay the hurricane on the court known as Coach Laddy Baldwin. For 25 seasons, Baldwin has turned students into athletes, methodical engineers into fierce competitors, through skilled instruction, a see-you-through-it-to-the-end commitment and a very, very loud voice. When he’s not at Poly, he is the assistant principal of health and physical education at Bedford Stuyvesant’s Boys and Girls High School. He took a few moments to reflect on his Poly career.

THE HIGHS
Poly had the second lead scorer in the nation (Terrence Dupree ’92), a remarkable feat. And we had the top 10 all-time career steals with Ivo Moyano ’95, which is still on the NCAA books. Of course, the two consecutive Hudson Valley Championships (2002, 2003) were the realization of a dream and knowledge that we can achieve this.

THE LOWS
Before the [Jacobs] gym, most of my time at Poly was spent picking up players by the side of the highway on the drive to Long Island to practice. Those guys sacrificed a lot to be part of the team.

A NEW GYM, A NEW TEAM
We are now a team that practices regularly, that meets regularly. We now have a home-court advantage, a major difference in competition. We’re also now establishing a fan base, people coming out to root for us.
FEEDING TIME ON THE ROAD
Old Country Buffet. They’re everywhere, and wherever we are, I will find one. The kids always ask why this restaurant, and I say it’s a great place to feed a whole team on a small budget.

WHOLE LOTTA YELLIN’ GOING ON
I have a passion to get things done and done right. Once the athletes start performing, they don’t hear from me.

THE GYM IS MY LAB
It’s where I develop the skills, the work ethic, the social skills of the athletes. People don’t realize that a lot of effort goes into being a college athlete. It’s not recreational, it’s competition at the highest level.

ENGINEERS AS ATHLETES
They are more analytical than the typical student. We see that especially with new players. They’re trying to think through decisions when they only have a split second to act.

THE CENTER OF THE EARTH
Everything happens in Brooklyn. We get so much done in a single day. And it’s so diverse: I’ve been in the homes of the Hasidic, of the Sikh, of the Muslim, of the Christian Conservative, you name it. Being born here, growing up here, living and working here, I haven’t missed one thing.

THE POLY EXPERIENCE
It’s amazing how our little corner of the world produces so much. One of my former players has just retired at age 40 and is now looking at starting another company. Poly may not have the best athletes but it has exceptional people who love to compete.

WOMEN ON THE PLAYING FIELD
Having women teams is an advantage for everyone. It even the playing field. Also, the annual Athletic Awards Banquet is more fun because there are more partners for dancing.

Note: The team won the annual game against Pratt Institute by a score of 72-48.

LADDY’S CRYSTAL BALL:
“I’m looking forward to going to the NCAA championship and making some noise.”

Right: Last minute instructions to Dale Smiley, left, and Abou Bamba.

Opposite page: Laddy Baldwin and his team have some tense moments watching the clock and hoping for a basket. Seated are Linden Kweisi, William Modeste Jr., Assistant Coach Arty Williams and Co-captain Dale Smiley.

Above: Coach Baldwin, Assistant Coach Williams and the team in the locker room after another hard-won victory.
HIV and AIDS are not the baffling epidemics they were 20 years ago. Although there is not yet a cure, being “positive” is no longer quite the death sentence it once was. Patients live longer and more normal lives, despite the disease that will inevitably take their lives. And there are more and more opportunities to improve the quality of life of an HIV/AIDS patient.

Typically, a patient must try out several different drug combinations or “cocktails.” After suffering from side effects, enduring setbacks and incurring high costs, the right cocktail is discovered. That is, until the virus develops resistance to the drug and the patient and doctor must begin the whole process over again. Imagine if a doctor could skip the experimental phase and customize treatment for each of their patients, based on the individual’s unique genetic makeup.

José Pinto, an associate professor of chemical and biological engineering at Polytechnic, is hoping to do just that using a mathematical model. Initially he will test his theory on drug regimens for the acute, or primary, HIV-1 infection. He aims to optimize the benefits of highly active anti-retroviral therapy (HAART), the common HIV treatment regimen, by focusing on optimal drug selection, sequencing and dosage.

HIV-1, depending on its intensity and severity, is continually changing in the body, enabling it to develop resistance to certain drugs. Pinto believes the effectiveness of HIV-1 therapy could be increased substantially by changing the combination of drugs prescribed to a patient over time, in direct response to the progression of the disease.

Currently, a doctor treating an HIV patient determines first how long the patient will have to be treated, and then prescribes a combination of anti-retroviral drugs at certain dosages based on HAART. It may take several attempts at finding the right drug combination—and that may be effective only for a time. Meanwhile, the virus is constantly changing. This has made HIV/AIDS treatment regimens less successful than doctors once hoped, despite the increasing availability of anti-retroviral drugs.

Pinto wants to determine a customized treatment plan and effective drug course for each patient by creating a mathematical model of the HIV pathogenesis and immunology.

Pinto, who works in the area of mathematical optimization, is proposing a different approach. Rather than relying on trial and error, he wants to determine a customized treatment plan and effective drug course for each patient by creating a mathematical model of the HIV pathogenesis and immunology. Pinto’s work analyzes data such as genetic makeup, HIV strains and patient histories to predict how the disease will progress and to identify the best course of treatment. The rapid advances in computer technology and the continuing development of mathematical techniques alongside new drug developments have increased the possibilities of mathematical modeling as a basis for a medical tool.

The HIV study began at the University of São Paulo in Brazil in 2001. Side by side with Marcel Joly, a PhD candidate and researcher for Petrobras, Pinto worked to create a qualitative model of the HIV virus. Previous attempts have been made by others, but Pinto found those models to be overly simplistic and inadequate for their purposes. For instance, according to Pinto, the current models do not include all of the mechanisms in which HIV-1 induces disease and so are not very useful in developing a treatment regimen. While simplified models are preferable for simulation or estimation purposes, for real-world purposes, he says, a more comprehensive model is needed.

Pinto’s is a deeper, mechanistic model which uses the 15 FDA-approved drugs, and considers far more factors including lymphoid tissues, the central nervous system and peripheral blood, common HIV-1 host cell entry sites. The model has been simulated using real patient data to analyze the course of the virus, predict a treatment schedule and estimate costs for overall treatment.

The proposed model does not depend on compromising or withholding treatment for those with HIV as is the case with some other experimental treatments. It’s simply an additional resource to guide the treating physician. According to Pinto, mathematical models offer the possibility of quickly testing different realistic scenarios using the same patient data as doctors.
HIV-1, depending on its intensity and severity, is continually changing in the body, enabling it to develop resistance to certain drugs. Pinto believes the effectiveness of HIV-1 therapy could be increased substantially by changing the combination of drugs prescribed to a patient over time, in direct response to the progression of the disease.

The approach could lead to a more efficient therapeutic regime that would reduce side effects, maximize life expectancy and minimize costs. In addition, the model would be able to predict virus resistance and track patterns so that the treatment could be adjusted.

This new approach is beginning to gain support from the scientific community. In September 2005, a paper written by Pinto and co-authored by his colleague Joly, titled The Role of Mathematical Modeling on the Optimal Control of HIV-1 Pathogenesis, was accepted by the American Institute of Chemical Engineers (AIChE) Journal for publication in 2006. This is a coup for Pinto’s work since it falls under non-traditional biochemistry. This paper was presented in November 2005 at the annual AIChE meeting in Cincinnati, his third presentation on different facets of this research. He has also made presentations at the University of Rhode Island and Lehigh University.

Here at Poly, Pinto has continued to work on this model that mimics the complex relationship between HIV-1 and the human immune system during the course of the infection and progression of AIDS. Part of the challenge, he says, is to work out how the differences among patients’ DNA relate to drug effectiveness and to create suitable diagnostic tests for physicians.

Creating a model of the HIV virus is no simple task. HIV-1 is a retrovirus that causes a rapid deterioration in the functioning of the entire immune system, leading to immunodeficiency and the likelihood of cancer or secondary infections, which ultimately kills most AIDS patients.

Typically, a patient goes through three stages. Soon after exposure to the virus, a person experiences flu-like symptoms, in what is known as an acute infection stage, which can last for weeks or months. For reasons that are not fully understood, the immune system fails in eliminating the virus. The viral load then stabilizes and the patient enters an asymptomatic latency period which is generally maintained for years, followed by the onset of full-blown AIDS. For most AIDS patients, death is caused by overwhelming infections due to a seriously compromised immune system.

Current solutions to the problem of drug resistance include multi-drug rescue therapy (MDRT) or mega-HAART therapy which may combine up to 9 anti-retroviral drugs, or a drug holiday, that is, a planned interruption of treatment that may lead to re-emergence of a “wild type” HIV that responds better to reinstitution of therapy. However, the re-emergence of resistant HIV is inevitable.

A new approach is necessary. And Pinto’s model may be the answer.

The next step for Pinto is to validate this model using human subjects. (Animal subjects cannot be infected with HIV) Pinto recently gave a presentation at Poly and found possible interest from the medical community. He hopes to get doctors interested, so that the approach can be used to devise individualized treatment to provide a better quality of life for patients who will be taking these drugs for the rest of their life. He is currently in the beginning stages of developing a similar approach for cancer treatment, another area in which treatment is highly experimental, and involves the combination of chemotherapy, radiation and immunotherapy treatments. Cancer treatment is also complicated by side effects and drug interactions.

The road is open wide. In addition to the publication of his paper by a renowned scientific journal, the FDA conducted a study of their own in 1999 and their findings agreed with Pinto’s approach. Consequently, the FDA-approved mathematical modeling relating to drug absorption and distribution, as a means determining the effectiveness of anti-retroviral medication over time.

Pinto knows that no model, mathematical or otherwise, can capture every facet of the immune system and that this is an extraordinarily challenging task. But it is a start. If this modeling approach is used in doctors’ offices in the U.S., it can eventually be disseminated worldwide to areas such as Africa where there are much less resources and a larger concentration of HIV/AIDS. A more effective and less costly treatment will benefit everyone.

For the average person, this is a tool that cannot only optimize HIV/AIDS, and possible cancer treatment, but if successful in human trials, future models could be created for any number of diseases that require lifelong treatment.

―Molly K. McLaughlin
Poly Professor Researches Commuter Stress

When you board a subway car, you may be getting a little more than you bargained for, namely, stress. It's a common claim that commuting by mass transit, especially during the morning rush hour, can be stressful. Now there's strong evidence to validate the claim.

Richard Wener, associate professor of psychology, Department of the Humanities and Social Sciences at Polytechnic and Gary Evans, professor of developmental psychology, group of commuters that chose to take the improved service and another group that continued taking the longer route. Wener and Evans compared the data collected from both groups of commuters before and after the improved service and found that the stress levels of the group that continued to use the longer route remained the same while the stress levels of the group that used the improved service were reduced. "When the commute improved, that is, when the trip was

Professor Richard Wener studies commuter stress and the benefits of physical exercises over traveling by train.

Department of Design and Environmental Analysis at Cornell University studied how traveling by mass transit can affect commuter stress level; whether some people, such as working mothers, are more vulnerable to commuting stress; and whether stress carries over into the workplace. The professors also studied the level of the physical activity of mass transit commuters to that of individuals traveling by car.

Wener and Evans conducted two major studies funded by the New Jersey Department of Transportation, which examined groups of commuters, similar in most demographic aspects, before and after improvements were made to New Jersey Transit's Midtown Direct Service and its Montclair Connection Line. In each case, they compared stress between one more direct—fewer transfers, shorter travel time—by virtue of the improvement to the infrastructure—the stress level declined," Wener said. The reduction in the travel time was the most important factor in determining stress reduction during the commute.

When compared with men, women with children are generally more susceptible to commuter stress and are more likely to carry that stress into the workplace.

"Women commuters experienced more stress in the workplace and that stress was exacerbated by the commute," Wener said. "If these women have children at home, they have the equivalent of a second job, hence additional stress." The study also found that women benefited the most from the improved service, resulting in less stress in the workplace.

Wener and Evans used several different criteria to measure commuter stress. The physiological evidence of stress was indicated by salivary cortisol—a by-product of the adrenal gland, produced when the body is stressed—which was obtained by asking participants to chew a sterile cotton ball.

Each participant also completed a perceived stress survey, which rated how the rider felt about the commute, and worked on a proofreading test to measure performance motivation. In the second stress study, commuters also completed a work/stress survey, measuring stress in the workplace after their morning commute.

After the initial stress studies, Wener and Evans used Poly students as a control group.

The students traveled round trip between Brooklyn and New Jersey. The stress experienced by the students was very similar to that of the regular commuters, providing stronger evidence that the data from the initial surveys were accurate.

In addition to exacerbating stress in the workplace, independent studies have shown that increased stress adversely affects the cardiovascular and immune systems. Stress also causes long-term health problems by increasing the risk of hypertension, stroke, heart attack and depression. Wener explains, "If you're getting measurable changes in stress as proven by changes in cortisol levels, then it's not hard to make the connection to stress as a long-term health consequence."

Wener and Evans also conducted a study, funded by the Robert Wood Johnson Foundation, which compared the amount of physical activity of train commuters to that of individuals commuting by car. As an environmental psychologist, Wener was interested in knowing if the availability of public transit affected whether or not subjects met minimum standards for the amount of daily physical activity.

"There's only a small group of people who exercise regularly. It was important to get people to build more walking into their daily routine," Wener said. "Part of that is how you design the commute."

The Centers for Disease Control recommends people get at least 10,000 steps a day to maintain a healthy and active lifestyle. Using pedometers and a survey that listed commuters' physical activities, Wener found that train commuters walked 30 percent more a day than those who drove to work. Transit organizations haven't traditionally aimed at improving commuter health through design, but the findings from this study are a good start. "What we have are patterns of data that fit with prior theoretical discussion and analyses of commuting stress," explains Wener.

So the next time you're about to leave for work, consider walking instead of taking the train or driving. □

—Anthony Hernandez
Peter Rapelje: History in the Family

Peter Rapelje ’55ME has vivid memories of the Apollo 11 moon landing. Hired right after graduating from Polytechnic with a bachelor’s in mechanical engineering by Grumman Aircraft Engineering Company, now part of Northrop Grumman, Rapelje designed ground support equipment used for testing and maintaining the celebrated Eagle lunar module. When the Eagle actually landed on July 20, 1969, Rapelje was glued to a television set in his basement. “I stayed up all night waiting for that thing to happen,” he recalls.

During his 33 years at Grumman, Rapelje also worked on the lunar module that doubled as a lifeboat for astronauts on the failed Apollo 13 mission and on a missile-control system for Chinese aircraft, a project terminated by the U.S. after the Tiananmen Square demonstrations erupted. He never imagined while at Poly that his career would be so steeped in history.

But a penchant for participating in history seems to run in the family. Rapelje is a direct descendant of Joris Jansen Rapelje (sometimes spelled “Rapelje”) and Katalynije Tico, a Protestant couple who sailed from Holland for the New World, days after they wed, in 1624. Sponsored by the Dutch West India Company, the ship that ferried the Rapeljes across the Atlantic was called the Eendracht (“the Unity”). After reaching the foot of the Hudson River, the Eendracht traveled north to Fort Amsterdam, a fur-trading settlement in present-day Albany. The following year, on June 7, Joris and Katalynije welcomed Sarah Rapelje, their first child and the first female born of European parents in New York State.

The birth was a fitting benediction for the fledgling Dutch colony of New Netherland, which encompassed much of the tri-state area, Delaware and Pennsylvania. Rapelje suspects that his ancestors chose New Netherland for economic reasons, a gamble that paid off handsomely. With escalating tensions between the Mahican and Mohawk Indians around Fort Orange, Joris and Katalynije relocated with Sarah in 1626 to what is now lower Manhattan.

Over time Joris opened a tavern on Pearl Street, acquired 335 acres of farmland near the present-day Brooklyn Navy Yard and fathered, with Katalynije, 10 more children. As for Sarah, Dutch authorities gave her a land grant to honor her place in history. Joris also served on a council of elected citizen-representatives that opposed Willem Kieft, an unpopular director of the colony, in his campaign to exterminate neighboring Indian tribes.

Rapelje and his brother Harry have preserved and expanded on an astonishing collection of countless photographs and glass-plate negatives taken by his paternal grandfather Peter. An avid shutterbug, Peter, Poly class of 1897CE, was an engineer by training and the first in his family to attend Poly. The land that Poly-technic now stands on was originally owned by Sarah Rapelje, her husband Hans Hansen Bergen and their son, Michael Hansen Bergen—all of whom are Peter’s ancestors. With his cousins Charles VanderVeer Rapelje, class of 1899EE, Peter Ditmars Rapelje, class of 1901EE, and Walter Suydam Rapelje, class of 1903, ’04Chen, Peter broke with the family farming tradition because the occupation was no longer profitable. Although the land that Joris acquired in 1637 was probably sold in the early 1700s, Rapelje’s family on both sides had owned land in present-day New Lots, Brooklyn, since the Revolutionary War. With each successive generation dividing the lots into smaller portions and confronting taxes and urban sprawl, the last of the family land was sold in the 1920s.

Rapelje is passing the torch to his three grandchildren. Although the black-and-white prints are supplemented by digital photographs and research culled from the Internet, the impulse to record a proud lineage remains unchanged. “I keep adding to these [albums] almost once a month,” says Rapelje. □

—June Yang

Above: Peter Rapelje at home, holding the Polytechnic diploma of his grandfather, also named Peter, who received a bachelor’s in civil engineering in 1897.

Left: Rapelje’s grandfather’s Poly diploma.

Below: Peter Rapelje’s grandfather, also named Peter, is pictured with his family, third from left, in the Rapelje farm house located in what is now the New Lots section of Brooklyn. Peter Sr. was the first Rapelje to break from farming.
Researchers from Polytechnic University and SUNY Downstate discover new drug for treatment of sepsis

Polytechnic University and SUNY Downstate Medical Center have teamed up to uncover a new candidate for the treatment of sepsis, a bacterial infection of the blood with high morbidity and mortality rates. The researchers’ findings, which appear in the January 2006 issue of Critical Care Medicine, show that the administration of sophorolipids significantly decreased mortality in animals with intra-abdominal induced sepsis.

Sphorolipids are a unique class of microbial glycolipids (carbohydrate-attached lipids), which have been shown to modulate the immune system and have application in several disorders. Glycolipids provide energy and serve as cellular markers.

Dr. Richard A. Gross ‘86Chem, lead scientist on the project and professor of chemical biology at Polytechnic and director of Poly’s NSF Center for Biocatalysis and Bioprocessing stated: “Over the past few years, our laboratory has developed efficient routes to synthesize sophorolipids by fermentation and to subsequently modify their structures by chemo-enzymatic methods. By these approaches, we can rapidly change their structure and provide our colleagues at SUNY Downstate large quantities of new sophorolipid-based drugs for clinical evaluation. This will allow us to fine-tune the biological properties of sophorolipids, making them an ideal agent for the development of a new drug to battle this debilitating disease.”

According to lead author Dr. Martin Bluth, director of Surgical Research at SUNY Downstate, “Sphorolipids appear to act by modulating the immune system by potentially decreasing the body’s inappropriate inflammatory response to sepsis.” The team also found that sophorolipids also reduced macrophage production of nitric acid in the body, another factor contributing to the symptoms of this disease. The discovery has led to the development of a new drug, now in its pre-clinical phase, which has already shown a significant decrease of sepsis-related deaths in experimental animal studies.

Although significant improvements have been made in developing new antibiotic therapies and advancing surgical techniques, effective preventative measures and treatment options are of clinical importance.

Faculty notes

Professor Jonathan Chao, head of Department of Electrical and Computer Engineering at Polytechnic, Dr. Eiji Ok, NTT Network Innovation Laboratories, Tokyo, Japan and Professor Robert Rojas-Cessa, Department of Electrical and Computer Engineering, New Jersey Institute of Technology, have been issued a patent for scheduling the dispatch of fixed-length packets of multi-stage packet switches using a pipeline arbitration scheme. In this new approach, arbitration operates in a pipelined manner, where multiple sub-schedulers are used. Each sub-scheduler is allowed to take more than one time slot for its scheduling, resulting in a faster and larger router.

Sigma Xi, the scientific research society, announced a call for entries for the first George Bugliarello Prize to be awarded biennially beginning in 2007. The prize honors George Bugliarello, president emeritus and university professor of Polytechnic and president of Sigma Xi from 1992-93. A $5,000 first prize will be awarded to the author of a superior interdisciplinary essay, review of research or analytical article published during 2005 and 2006 in the society’s American Scientist magazine. The goal of the prize is to inspire thoughtful discourse about how technology, human society, our biological needs and the needs of other life on the planet can be advanced.

Also, Bugliarello was designated a fellow of the Biomedical Engineering Society in 2005 for his pioneering studies of hemodynamics, for leadership in bioengineering education and for his broad vision of the interaction between engineering and biology.

Jovan Mijovic, professor of the 2006 Herman F. Mark-Medallie of the Austrian Research Institute for Chemistry and Technology.

Professor I-Tai Lu, Department of Electrical and Computer Engineering, received a patent for “Method and Apparatus for Routing in a Mobile Ad Hoc Network,” which uses zone-based hierarchical link state routing protocol (ZLHS), a mobile ad hoc network routing protocol, to incorporate location information into a novel peer-to-peer hierarchical routing approach.

CBSE becomes two departments

Effective January 1, 2006, the Othmer Department of Chemical and Biological Sciences and Engineering (CSBE) has become two individual departments—the Othmer-Jacobs Department of Chemical and Biological Engineering, headed by Professor Jovan Mijovic and the Department of Chemical and Biological Sciences headed by Professor Bruce Garetz. CSBE set a goal to expand its educational offerings in 2003 to include biology as an essential component and a source of emerging applications for its disciplines. The change in the department’s structure reflects the success CSBE experienced in its undergraduate programs in chemical and biological engineering and biomolecular science.

Provest Fletcher “Butch” Griffis said, “The creation of the two departments provides an opportunity for both units to focus on their strategic goals and to forge a consensus on future directions.” Griffis noted that the renaming of the department in honor of the University’s greatest benefactors was befitting the extraordinary careers of Othmer and Jacobs. “Don Othmer and Joe Jacobs were outstanding individuals,” wrote Griffis, “who have made the most lasting contributions to Poly in its history. Both were quintessential chemical engineers and their names add an important dimension to the connection with the department’s glorious past, the exciting current growth and the future vision…”

Both Garetz and Mijovic have 27-year tenures with the University. Under Mijovic’s auspice, CSBE increased undergraduate enrollment by over 120 percent. Garetz’s discovery of “polarization switching” in glycine was chosen by Chemical & Engineering News as one of the Chemistry Highlights of 2002.
InGate to forge global alliances and education delivery

Polytechnic has launched the Institute for Global Alliances for Technology Education (InGATE), a new initiative in its global strategy to create innovative alliances, collaborations and education delivery. The institute, which has the endorsement of Polytechnic's goal to position itself as a center of excellence in global technical education and research, Professor Harold Siuelsen, head of Department of Humanities and Social Sciences, will serve as executive director and associate provost for international studies, working closely with faculty and academic departments to develop and strengthen international alliances and to facilitate faculty participation in global education and research. Chancellor David Chang will serve as the institute's liaison in China working with government and industry leaders.

CATT awarded $1.6 million grant for cybercrime detection

Polytechnic University's Center for Advanced Technology in Telecommunications (CATT) was awarded a $1.6 million grant to further develop cybercrime detection and prevention with companies such as Verizon, Koidak, Lucent Technologies, AT&T Labs Research and the Securities Industry Automation Corp. The grant was awarded through the New York State Office of Science, Technology and Academic Research Centers for Advanced Technology Development Program (NYSTAR).

Professor Shivendra Panwar, director of Polytechnic's CATT, notes the alarming growth in the number and sophistication of cybercrimes. "Given the increasing proliferation of bandwidth, connectivity and mobility, voice-over IP and scrab networks, the situation is only expected to get worse," Panwar says. "Even more alarming, not only are we unable to prevent cybercrimes, but typically we are not even able to identify the perpetrators. We urgently need technology for prevention and investigation."

The award was made through NYSTAR's CAT Development Program, an initiative that creates nationally recognized research centers and brings high-technology innovations to the marketplace. The research that will be conducted as a result of the investments will produce significant technological improvements that will lead to substantial future economic development in New York. In addition, the research will earn substantial support from participating universities and private sector companies.

These specifically targeted research awards will enable New York's world-class university research centers to work even more closely with industry to develop new technologies and innovations that will strengthen the economy for New York, noted Governor George E. Pataki. "These awards complement our other high-tech economic development initiatives," Pataki said, "such as our Centers of Excellence program and will further secure New York's role as an international leader in high-tech and biotechnology research and economic development."

Joining Polytechnic in the cybercrime initiative is Columbia University, Poly's Brooklyn Enterprise for Science and Technology (BEST) and the Griffiss Institute.

Poly lecture explores the Rise and Fall of Yukos Oil

Leonid Nevzlin, a majority shareholder and senior executive of Yukos Oil, discussed the effects of politics and government policy on the economic development of post-communist Russia, and the dismantling of the country's largest oil producer Yukos Oil. Yukos, the first shareholder-owned company in Russia, was dismantled and sold in 2005 to help cover more than $27 billion in tax claims that the Russian government lodged against the company. The company's founder was sentenced to prison; Nevzlin immigrated to Israel.

The lecture, part of the Morton L. Topler Chair Lecture Series, was held on the Metro Tech campus November 21, 2005.

MSOE President Hermann Viets '65 '66 '70AE joins Poly board

Hermann Viets '65 '66 '70AE, president of the Milwaukee School of Engineering (MSOE), has been elected to Polytechnic's Board of Trustees.

In his 14 years at MSOE, Viets has presided over ambitious projects, including raising $53 million, $31 million over goal; building a $31 million athletic facility through private fundraising; acquiring four properties, and creating a number of degree programs. In 2004, U.S. News and World Report ranked MSOE among the top colleges in the engineering programs and engineering specialties categories.

Viets's career has encompassed both engineering and academia. He spent nearly 20 years working for the U.S. Air Force before joining the faculty of Wright State University in Ohio. He left to become the associate dean for research and a professor at West Virginia University, subsequently serving as dean of engineering at the University of Rhode Island before being named MSOE president.

Among his honors: 1997 Engineer of the Year Award from the Engineers and Scientists of Milwaukee Inc., 1992 ABET National Award for Innovation in Engineering Education and 1987 Rhode Island Governor's Award for Science and Technology. He holds seven U.S. patents and received several technical awards from the U.S. Air Force. In 1994, Polytechnic's Aerospace Engineering Department named him an Outstanding Alumnus of the Year.

The next year, Viets received a Distinguished Alumnus Award from the University. He became a member of the President's Associates in 2004.
Letters to the editor

Enjoyed your “Poly Sports” section in the winter 2005 issue. A few reminiscences:

Clarence Lane was not only an excellent coach and trainer. But he was a great judo player. He easily beat everyone at the school even though he was much older than nearly all his opponents.

I was on the freshman chemical engineers softball team, which won the school championship in fall 1943. A sad note was that our second baseman, Raymond Bahring ’46, joined the Marines and died at Iwo Jima in 1945.

I played on the JV basketball team, 1943–1945. We played Poly Prep, who had future New York Knicks player, Carl Braun on the team. Tex Whitman and I decided we would double team him to reduce his scoring capability. We were all over him, but he scored 25 points in the first half and, of course, easily beat us.

Earl W. Ross ’46MT
Cincinnati, Ohio

As a three-time letterman, in ’05, ’06 and ’07, I was delighted when I saw that the current Cable (winter 2005) included an article about the history of Poly sports. However, I am sorry to see that my sport, judo, was not included. To this day, when I mention my judo beginnings at Poly to other judoists, they intonate respect for Coach Brazel and Assistant Coach Ricky Ramichron. And while the current team is very young and relatively inexperienced, they are up and coming—with athletes like Nistor Kar who has taken second place in several tournaments already this year.

While my teammates and I didn’t garner as much attention as our contemporaries such as Ivo Mayano, we still had some great accomplishments and athletes of our own—Yevgeny Rubkin represented the United States at the ’87 Macabiah games in Israel, and Ryan Dillard is currently ranked fifth in the nation for his weight class. All these accomplishments are even greater if you consider that our practice space was always confined to the basements of Nichols and Rogers Hall. Furthermore, our team was not only comprised of players from nationalities as diverse as our student body, but we were the only team where men and women have always been on equal footing, and have always practiced together. While I thought that judo at Poly started with Coach Brazel’s arrival, one of my current judo buddies, Martin Kelly (a septuagenarian black belt) told me that although he wasn’t a student, he would practice judo at the Polytechnic Judo Club in the 1970s.

All this of course is independent of Coach Brazel’s own judo pedigree, as he competed for the United States in international competitions in the ’70s and ’80s, and today remains a respected member of the judo community, especially in the New York tri-state area. With the advent of the new athletic facilities, Poly is now hosting tournaments of its own, including the NY State Junior Olympics [in April].

While I applaud your homage to our beloved Blue Jays, I am sorry you missed any mention of this wonderful sport and its long history and bright future as Poly.

Yonah Wolf ’01CS
White Plains, N.Y.

Reward yourself and support Poly

If you’re a member of a credit card reward program, you can support Polytechnic and reward yourself by making your donation online at www.poly.edu/alumni/donate. Your gift to the Polytechnic Fund is tax-deductible and you could earn frequent flier miles, hotel points, or even a cash-back bonus depending on your card. It’s safe, secure, and fast.

President’s Corner

Welcome to 2006—the beginning of another exciting year in Polytechnic’s history!

2005 was quite a year. The great events of our sesquicentennial were highlighted in the Fall 2005 Cable. Now President Jerry Hultin and the Board of Trustees are taking the necessary steps to lead Polytechnic to the next level in its 150-year evolution. New York City’s Mayor Michael R. Bloomberg got it right in his keynote address at the sesquicentennial convocation when he recognized Poly as the dominant engineering school in the city. We are steadfast in our commitment to continue as a leading voice in the development of new technology that changes the world.

These are dizzying times. We are flooded by a constant barrage of words and images that are the result of the very technological advancements we have pioneered. But words and images have meaning as Joseph Owades ’44 ’50Chem would attest. (Owades’ obituary appeared in the Washington Post on December 21, 2005 and in this issue of Cable.) In 1967, Owades introduced his latest research discovery to the world. Gabler’s Diet Beer. I remember the television ads showing a hand thrusting a slice of bread into a glass of beer. The message clear. Don’t drink regular beer. It’s fattening. The idea was great; the marketing campaign was not. The result—no sales. Fast-forward to 1976. Owades renamed his product “lite” beer and used the marketing phrase, “tastes great” and “less filling.” With these small changes in the message, a whole new microbrewing industry was born.

As alumni, we continue that tradition of innovation and PolyThinking personified by Joe Owades. First, we build our success and our lucrative careers on the solid educational foundation we received at Poly. Second, we recognize the need to give back to Poly of our time and financial support, so that today’s students will have the opportunity to realize their “American Dream.” I am heartened by the increase in contributions to our Annual Fund and by the University’s decision to increase staffing in the alumni relations and development offices. Finally, we can answer President Hultin’s call to continue to educate the best and the brightest by directing prospective engineering and science students to Poly. During the spring and summer of 2006, the admissions and the alumni relations offices will work with the Polytechnic alumni to reach out to accepted applicants in our area to help them to decide to attend Poly. In addition, the alumni association will be spearheading a pilot program to identify particularly bright student prospects and to assist in ways to finance their honors-level education at Poly. Yes, these are dizzying, but truly exciting times here at Poly. Come join us. As always, give us your suggestions and attend our meetings. Our next Alumni Board Meeting will be Saturday, March 25, 2006. Please, mark your calendar for Sunday, May 21, 2006. This is the date we have specially set aside for this year’s Annual Meeting. We have revamped the format and changed the day to a weekend for your convenience. Find out what the POLYTECHNIC ALUMNI is doing in your name. We want and welcome your input. See you then.

Thomas A. Mauro
Northern California reception

The Northern California section alumni and their guests gathered at the Stanford Park Hotel in Menlo Park, California on November 13 for a reception to welcome President Jerry Hultin to the Poly community. During the evening's festivities, President Hultin presented Nobel Prize winner Martin Perl '48ChE Hon'96ChE with the University's Sesquicentennial Medal for his outstanding scientific achievements.

Among those attending the reception were Drs. Jan '63ChE and Sofia '63ChE Laskowski.

Joseph L. Owades, microbrewing giant, dead at 86

Joseph L. Owades '44 '50ChE, microbrewing pioneer and biochemist credited with inventing light beer, died on December 16, 2005 at his home in Sonoma, California. He was 86.

Owades' name became synonymous with light beer after he discovered an enzyme that broke down starches in malt. The result was a beer with less carbohydrates and fewer calories than its conventional competitors. Initially sold under the Gablinger's label in 1967, the reduced-calorie beer was not an immediate success and was pulled from market until 1976 when Miller Brewing Co. acquired the rights to Owades' recipe. The beer was reintroduced under the Miller Lite label and was an immediate success, igniting the creation of independent microbreweries across the country. Owades created formulas for several leading brands including Samuel Adams, Tuborg, New Amsterdam Beer, Pete's Wicked Ale and Foggy Bottom Beer.

Born in 1919 of Ukrainian parents, Owades' interest in chemistry led him to Polytechnic where he studied under some of the finest scientists of the day—Dr. Herman F. Mark, considered the "father of polymer science"; Dr. Donald F. Othmer, co-author of the industry standard Kirk-Othmer Encyclopedia of Chemical Engineering; and Swiss organic chemist Dr. Paul Spoerri, a world-renowned expert in dyes. He earned master's and doctoral degrees in biochemistry in 1944 and 1950, respectively. After a stint in the Navy during World War II, he joined Felschmann Yeast in 1948 as a research chemist. In 1951, he was hired by Rheingold Brewing Co., as vice president and technical director and went on to hold similar positions at Anheuser-Busch and Carling Brewing Co. In 1975, he founded the Center for Brewing Studies in Sonoma, California, and became a much-sought after consultant to the burgeoning microbrewing industry.

He is survived by his wife of 36 years, Ruth Markowitz Owades; two sons, Stephen of Cambridge, Mass., and William of New Rochelle, NY; and a brother, Henry.

Fred Heinzelman Jr. '36PH dies

Fred Heinzelman Jr. '36PH, retired president of Fred Heinzelman & Sons, died on January 16, 2006 in Doylestown, Pennsylvania. He was 91.

Heinzelman became head of the company, which specialized in heat treatment and hardening of metals, in 1962 upon the death of his father, Fred, Sr., who founded the company in 1917. The firm changed its name to Heinzelman Heat Treating LLC in 2000.

Heinzelman earned a Bachelor of Science in Physics from Polytechnic in 1936.

An ardent supporter of the University, Heinzelman was a member and founder of the Polytechnic 100 and a member of Polytechnic Board of Trustees since 1971. He was elected life director of the Polytechnic Alumni in 1969. He was past chairman of the American Society of Metals and the Metal Treating Institute and a member of the New York Tool and Die Makers Association and the Society of Manufacturing Engineers. He was a recipient of Polytechnic's Dedicated Alumnus Award in 1968 and the Distinguished Alumnus Award in 1986.

He is survived by his wife, Helen; children, Louise, Fred and Leslie; brothers, William and Carl; and a sister, Marie Heinzelman Eckstein.
Naming opportunities abound at Polytechnic

If you are thinking about making a gift to the University, here are some opportunities for you to consider.

The Donald F. and Mildred Topp Othmer Residence Hall
The magnificent Othmer Residence Hall houses 400 students within 20 floors with remarkable panoramic views of MetroTech Center and downtown Brooklyn. The dormitory adds an undeniable campus atmosphere to Poly and has increased student involvement in extracurricular activities. Each four-person suite or apartment has two bedrooms. Each floor has spacious lounges equipped with a full complement of satellite television channels. The entire facility is equipped with wireless and Ethernet network connections. The cost to name a study lounge is $50,000; a four-person suite is $25,000; and a two-person suite is $10,000. All naming gifts are payable over four years.

The Joseph J. and Violet J. Jacobs Academic Building
This remarkable building overlooking the Jay Street Plaza contains Poly’s first fully equipped athletic and fitness center, complete with a regulation NCAA basketball court and a skybox overlooking the court for distinguished guests. The upper floors contain “smart” classrooms and lecture halls that include a variety of technological amenities to assist students and professors in the learning process. The building also contains several modern art installations. There are a number of naming opportunities throughout the building, ranging from $15,000 to $500,000, payable over four years. Your naming gift for a classroom, lecture hall or gymnasium is also a means to ensure that the very deserving students who attend the University today have the same opportunities that you enjoyed.

Polytechnic 100 Scholarship
The Polytechnic 100 scholarship is a prestigious award to highly motivated students with financial need. Members who support this fund contribute a minimum of $10,000 or more per year for five years and meet annually at an exclusive venue with the University’s president and the scholarship recipients. The names of the members are inscribed on an award-winning abacus. Members who renew their commitment for an additional $50,000 have a torch engraved on their inscription.

The Alumni Hall
The Alumni Wall in the lobby of the Joseph J. and Violet J. Jacobs Academic Building is an impressive glass mural representing major scientific achievements of the 20th century. The wall also honors those who died in our nation’s wars. Over 500 alumni have had their names inscribed on the wall. For as little as $1,000—paid in two or three installments—you can join fellow alumni and friends of the University in paying tribute to Polytechnic and the dynamic role it has played in advancing science and technology. Inscriptions are also an ideal way of remembering someone on a special occasion.

To find out more about how you can have a name inscribed on the Alumni Wall, call Donald Ivanoff, director of alumni relations, at (718) 260-3885 or e-mail alumni@poly.edu.

Special Scholarship Fund
Friends and alumni can name a scholarship for $2,500 or more per year to support students with immediate need for financial aid. The name can be the donor’s name, or anyone that the donor wishes to honor, including their parents, faculty members or loved ones. The University matches the donor’s major with a student in the same discipline. Scholarship recipients are encouraged to write to their benefactor and, if the donor chooses, the University will provide an opportunity to meet with the recipient.

Insuring the future

Immortality on the installment plan is what a noted financial adviser called charitable gifts of life insurance. By donating an insurance policy—either a new policy or an existing, no-longer-needed policy—you can help insure the future of Polytechnic University at a minimal cost after taxes. Here’s how it works:

Donation of an Old Policy
When Joe’s ’50 wife died, he became the beneficiary of her life insurance policy. The proceeds from the policy became part of his estate and were subject to federal estate taxes. Joe decides that the policy would make an ideal gift to Polytechnic. Since Polytechnic is a charitable organization, Joe’s gift is no longer subject to estate taxes and he receives a tax deduction equal to the face value of the policy.

These are just two of many examples of how life insurance can be used in lieu of an annual gift to Polytechnic. The tax and financial benefits of the gift plan can be used to pay for the life insurance, which can be set up to provide an inheritance—that may be tax-free for children or grandchildren.

Donation of a New Policy
Mike ’74 gives a new life insurance policy to Polytechnic University as an endowed annual gift. He will pay the premiums—which he can claim as a charitable deduction on his taxes—until the policy begins to generate income. Over time, the policy will provide an endowment to the University, which will replace Mike’s annual gift donations. For an added tax-savings, Mike can donate appreciated stocks to cover the cost of the insurance premiums.

To receive additional information about gift opportunities, contact Tom Daly, director of development, at 800-765-9929 or tdaly@poly.edu.

Upcoming Alumni Events:

Sunday, March 19
Southeast Florida Area Alumni Reception with President Jerry Hultin

Sunday, May 21
Annual Meeting of the Polytechnic Alumni Reunions of the Classes of ’66, ’76, ’81, ’86 and ’96

Saturday, June 3
Golden Jubilee, Class of ’56

Sunday, June 4
151st Commencement

Sunday, June 11
Annual Golf Outing and Athletics Fundraiser Barbecue

For information, please e-mail alumni@poly.edu, call 718-260-3885 or visit www.poly.edu
Donor Snapshot

Dr. Judith Leitner

“I knew Poly as long as I knew my late husband, Saul Leitner ’59ME. We had our first date just before he started his freshman year. We were married four years later—a few days after his graduation in June.

Saul stayed actively involved with Poly, until he died in July 1998. We had a special goodbye dinner with Poly alums earlier that spring. The University was always a part of our lives. I found a way to maintain his affection for, and devotion to, Poly by establishing the Saul Leitner Scholarship Fund in his memory. This has enabled me to continue his dedication as well as relate to my career focus as an educator. It also offers our daughter, Kara, another warm memory of her father.

I am very grateful that the Polytechnic staff has responded to my request to give support from this fund to the graduate of a New York City public school. It has been an honor to meet the young man who is the first recipient of the scholarship.”

$50,000 to the Saul Leitner ’59 Scholarship Fund

Donor Snapshot

Dr. Michael G. Munson ’65Chem ’70EE ’88 ’92Chem

“Shortly after my wife’s passing in 2000, I received an invitation to add my name to the Alumni Wall. Realizing it unlikely to be ‘memorialized’ by anyone else, I decided to place my own name on the wall and, perhaps, give back some of what I received during my time at Poly.

I returned to Poly on the occasion of the Alumni Wall dedication after an absence of some 10 years. The vista that greeted me was breathtaking. My college in a renovated factory had been transformed into an enticing urban campus. Any reservations about continuing my financial support for Poly instantly vanished.”

Consultant
$3,000 to the Alumni Wall

Student Snapshot

Edwin Siu Kei Yu ’05 ’07CE

“With the high cost of education these days, receiving scholarships was a big relief for me and my family. Without having to face the financial hardships, I was able to focus on my studies and participate in various student social and extracurricular activities. Scholarships have played a major role in my success. Without this financial help, attending Polytechnic University and accomplishing as much as I did would be difficult, if not impossible. I am truly grateful to all the donors who helped finance my education in Polytechnic University where I am studying to become a civil engineer.”

Donald N and Susan C. Weisstuch Scholarship, PROMISE Scholarship, J. Robert Fisher Scholarship and Polytechnic Scholarship recipient

Alumnus George Cha dedicates media lab in parents’ memory

Remembering the love, determination and inspiration of his parents, George Cha ’70ME funded and dedicated the Dibner Library Media Lab in their honor. The entire Cha family attended a special dedication ceremony in August, during which a plaque was unveiled outside the lab, honoring Lincoln Cha, a diplomat and librarian, and his wife, Ruby, an artist—with the words, “May their foresight and vision enhance your creativity, effort and result.”

Cha has enjoyed a 40-year-career in the U.S. electric power industry, working in all areas, including management, utilities and plant design. Today, he owns AG Capital Management, which manages investment portfolios for several family foundations and small Asian nonprofit organizations. A member of the Poly 100, Cha has funded a scholarship since 1999.

The Media Lab supports all Polytechnic’s multimedia functions, including online learning and the Poly website.

Above: George Cha ’70ME and his wife, Assunta, next to the dedication plaque, which reflects the images of their children standing nearby.

to discuss a contribution to Polytechnic, contact Tom Daly, director of development, at 800-765-9929 or tdaly@poly.edu.
CLASS NOTES

Class years are determined by the year the Office of the Registrar certified the granting of the degree. Alumni receiving multiple degrees from Polytechnic are listed under the first graduating degree only.

20s
Henry Homann ’27CE celebrated his 100th birthday in January. He lives in Hendersonville, NC.

30s
Anthony DeBlasi ’38CE and his wife, Anne, recently celebrated their 65th wedding anniversary.
Howard Gratz ’30ME completed the rebuilding and expansion of his community library in Lompoc, Calif.

40s
Roger Gilmore’s ’43 ‘47ChE book, “Fermat’s Enigma Resolved,” was published by Donnace Publishing. The book shows that Fermat may have had a proof to his last theorem.
Richard Laster ’44ChE is chairman of the board of directors of Weilgan, a nutrigenomics company, and is chairman of the Westchester Holocaust Education Center.

50s
Marvin Rothenberg ’50CE is a trustee of the Village of North Hills and of the Hebrew Academy of Nassau County.
Charles De Benedittis ’52CE was part of a group of construction industry leaders who traveled to Israel for a one-week seminar sponsored by Project Interchange to further understanding of Middle East issues.
Saul Haffner ’52PH developed a web site, www.find-jsp.org, to market the services of justices of the peace.
Morton Litt ’53 ’56Chem is professor emeritus at Case Western Reserve University. To celebrate the occasion, he vacationed on a European river cruise, traveling from Vienna to Amsterdam.
Robert Whalen ’54ME retired as the president of the Advanced Systems Division at L-3 Communications. He will continue with the company as corporate technical advisor.
Martin Annenberg ’56AE is an independent paralegal, specializing in living trusts.
Clifton Callahan ’56AE ’62AM ’71MG is a registered financial consultant.
Dave Perlman ’56AE retired from IBM in 2004 after 48 years in memory development. He enjoys traveling, boating and driving small single-seat race cars in amateur events.

60s
Henry Dircks ’58EE is pursuing his first love, watercolor art, after retiring from Grumman Aircraft. He has seven children and 15 grandchildren.

Jaroslav Soukop ’60EE celebrated his 90th birthday in November and remains active in his community in Whiting, N.J.
Charles Maneri ’62ChE ’70ME is a part-time technical advisor for the SonoTek Corporation. He has three grandchildren.

Warren Seider ’62ChE, professor of chemical and biomolecular engineering at the University of Pennsylvania, received the 2004 AIChE Warren K. Lewis Award for Chemical Engineering Education. He is the co-author of the textbook “Product and Process Design Principles.”
Sheldon Tschabut ’62PH is the regulatory counsel to Bechtel SAIC and the manager and operator for the Yucca Mountain Project for the disposal of the nation’s high-level waste and spent nuclear fuel.

Ronald Braaten ’64ME has been elected chairman of the board of Citizens National Bank of Putnam, Conn. He is the founder and president of ConnTron International Inc., a manufacturer of foot switches.
Robert Robins ’64MA is working as a research scientist at Northwest Research Associates in Bellevue, Wash. He received an award from NASA for developing the vapor vortex prediction algorithm for its aircraft vortex-sensing system.

Laurence Milstein ’66 ’68EE is the inaugural recipient of the Ericsson Endowed Chair in Wireless Communication Access Techniques at the University of California, San Diego. He has been a faculty member there since 1976.
Paul Morgen ’66CE ’73IP retired after more than 35 years with the Port Authority of New York and New Jersey.
Harry Hetz ’67Chem is the director of the Baldridge National Quality Program at the National Institute of Standards and Technology. He and his wife, Fran, recently celebrated the birth of their first grandchild.

Mark Fox ’68LS is a head and neck surgeon in group practice in Westchester County. He is also president of the Physicians for Responsible Negotiation, a national labor union for physicians and has been elected speaker of the House of Delegates of the Medical Society of the State of New York.

Erol Gelenbe ’68 ’70ME was awarded an honorary doctor of science degree from the University of Liege, Belgium. He has three honorary degrees and holds the Dennis Gabor Chair at Imperial College, London.
Thom Kaib ’60MA is a doctor of chiropractic medicine and is the part-time pastor of the First Baptist Church of Keyport, N.J.

70s
Charles Hinkaty ’70 ’72MA has been named president and CEO of Del Laboratories.
John Chino ’71ME is vice president and general manager of enterprise excellence at Northrop Grumman’s Electronic Systems Sector. He holds eight patents.
Robert Bonelli ’72EE is president of Northeast Securities Inc., and a member of the Board of Trustees of Bucknell University.
Donald DeMaria ’72MA is a certified flight instructor.
Peter K. Raimondi ’72EE retired after 33 years with the Department of Defense. He is the recipient of the National Intelligence Medal of Achievement, the Defense Intelligence Agency’s Director’s Award for Exceptional Service and the U.S. Army Commendation Medal. He holds several patents for night vision devices.
Manisha Bomer Anderson ’73MA, president and founder of Smart Stars Inc., was the recipient of the 2005 Entrepreneur Award presented by the Society of Women Engineers. Anderson received the award last November “for demonstrating that business can be done successfully, as well as ethically, creatively, with flexibility and family-friendly policies.”
Anderson’s firm provides transportation planning, traffic engineering and roadway, site, traffic signal and intelligent transportation system designs, as well as surveying, public involvement and facilitation and geographic information services to clients in Georgia, Virginia, Texas and Florida.
Sarajit “Joe” Bhatia ’74ME has been appointed president and CEO of the American National Standards Institute. Previously, he enjoyed a 35-year career at Underwriters Laboratories (UL).
Stuart Appelbaum ’75CE is chief of the planning division for the Army Corps of Engineers’
**Reunion News**

**Golden Jubilee—Class of ’56**

The 50th reunion of the class of ’56 will take place on the MetroTech campus in Brooklyn on Saturday, June 3 and Sunday, June 4. The event includes a luncheon, tour of the campus and participation in the University’s 151st commencement in Avery Fisher Hall at Lincoln Center. Class members should have received information packets and memory book questionnaires. If you are a member of the jubilee class and haven’t received your reunion information, please contact the Office of Alumni Relations at (718) 260-3885 or alumni@poly.edu.

**Reunions for ’66, ’76, ’81, ’86 and ’96**

Alums celebrating the 40th, 30th, 25th, 20th and 10th anniversaries of their graduation are invited to a special day of festivities on Sunday, May 21, 2006. Events include a spectacular Sunday brunch, tours, opportunities to meet current Polytechnic students and the induction ceremony for the new officers of the Polytechnic Alumni. Look for more information in the mail. If you would like to volunteer to help organize your class’s participation, please contact the Office of Alumni Relations at (718) 260-3885 or alumni@poly.edu.
8th Annual Lynford/IMAS Lecture
Tuesday, April 11, Dibner Auditorium
John L. Petersen, Futurist
President and Founder, Arlington Institute
“What to Do About the Future We’re About to Get”

Special Discounts on Insurance
Poly alumni are eligible for special discounted rates on auto and homeowner’s insurance through Liberty Mutual’s Group Savings Plus (G) Program. The program, offered by the POLYTECHNIC ALUMNI, features access to a dedicated agent. For a free, no obligation rate quote, call Rejana Chhim at 1-800-486-6189, extension 223. Even if you are a current Liberty Mutual customer, you may qualify for additional discounts through this program.

Matching gifts make a difference
If you work for one of the 10,000 companies with a matching gift program, your gift to Polytechnic could be especially valuable. So far this fiscal year, 48 companies have already made gifts to Polytechnic through the matching gift program. Many people don’t know about this wonderful employee benefit that in many instances matches your original gift, dollar-for-dollar, and sometimes matches at a greater rate. Some companies even offer the matching gift program to retirees. Your gift combined with that of your company counts toward your total donor level. If you are unsure whether or not your company has a matching gift program, check with your human resources department or e-mail alumni@poly.edu.

Polytechnic gratefully acknowledges the gifts of alumni and their employers who have participated in the matching gift program. The corporate matching gift contributors with the highest totals thus far this year are listed below.

AT&T Foundation
C.R. Bard Inc.
BP America
Ford Motor Company
The IDT Charitable Foundation
Ingersoll-Rand Company
Pfizer Inc.
Verizon Communications Inc.

In celebration of the 150th anniversary of its founding, Polytechnic University has published a comprehensive history book:

POLYTECHNIC UNIVERSITY: CHANGING THE WORLD—THE FIRST 150 YEARS

NOW AVAILABLE!
(272 pages, hardcover)

GET YOUR COPY TODAY!
Enclose this form in an envelope to:
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