Score!

Fighting Blue Jays
Triumph in Hudson Valley Conference Championship
Polytechnic Wins Hudson Valley Conference Men's Basketball Championship

Polytechnic's Men's Basketball Team won the Hudson Valley Conference Championship in an exciting, hard-fought victory against defending champion the SUNY Purchase Panthers by a score of 66-62. Poly's victory was the first men's conference basketball championship in over 25 years for the University.

The championship—a home game played in the University's new gymnasium—saw the third-seeded Blue Jays win its semifinal game against second-seeded St. Joseph's College in Brooklyn by a score of 67-66.

The Purchase Panthers, the first-seeded team in the tournament, came into the championship game undefeated in conference play (9-0). The Panthers easily defeated fourth-seeded Pratt Institute by a score of 89-66.

However, its next game, against Poly, was a different story. Neither team throughout the highly contested game could build up a significant lead. The lead changed hands six times during the game, with the largest margin for either team being just five points.

At halftime, the score was tied at 25-25. Polytechnic, playing a deliberate half-court offense throughout the first half, kept the Panthers from fast breaking down the court. However, in the second half, the Panthers, looking to play an up-tempo game, fast broke the ball down court to take a five-point lead with eight minutes left in the contest.

The Blue Jays, a team dominated by eight freshman players, would not give in to the championship pressure. Poly came back from a five-point deficit to have a 10-0 run against Purchase and take a five-point lead with under three minutes to go. The Panthers cut the deficit to just one point with 1:30 left, but never regained the lead.

The Blue Jays sealed the victory with a free throw by Senior Team Captain Matt Carroll, which extended the lead to four points with 3.6 seconds left in the game.

Brian King, a 6'4" forward, was named the tournament's Most Valuable Player. The liberal arts major, who transferred mid-season from Hunter College, scored 18 points and pulled down 12 rebounds. His tenacious second-half offensive resulted in several key baskets down the stretch.

The championship was the first one for Head Basketball Coach Laddy Baldwin, who has coached at the University for 23 years.

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<tr>
<th>NO.</th>
<th>NAME</th>
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<th>WEIGHT</th>
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<tr>
<td>21</td>
<td>Matt Carroll</td>
<td>Forward</td>
<td>6'4&quot;</td>
<td>175</td>
<td>Sr.</td>
<td>St. Edmonds Prep/Brooklyn</td>
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<td>24</td>
<td>Abou Bamba</td>
<td>Center</td>
<td>6'7&quot;</td>
<td>215</td>
<td>Fr.</td>
<td>St. Charles Prep/Montreal, Canada</td>
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<td>12</td>
<td>Dule Smiley</td>
<td>Guard</td>
<td>6'6&quot;</td>
<td>150</td>
<td>Fr.</td>
<td>Lakota West/West Chester, Ohio</td>
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<td>Christopher Jean</td>
<td>Guard</td>
<td>5'6&quot;</td>
<td>145</td>
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<td>34</td>
<td>Brian King</td>
<td>Forward</td>
<td>6'4&quot;</td>
<td>185</td>
<td>Fr.</td>
<td>Brooklyn Tech/Queens</td>
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<td>31</td>
<td>Omar Nokaly</td>
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<td>6'2&quot;</td>
<td>190</td>
<td>Fr.</td>
<td>Stuyvesant/Long Island City</td>
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<td>13</td>
<td>Maurice Edision</td>
<td>Guard</td>
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<td>160</td>
<td>Fr.</td>
<td>Manhattan Center/Brooklyn</td>
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<td>25</td>
<td>Michael Willis Jr.</td>
<td>Forward</td>
<td>6'5&quot;</td>
<td>195</td>
<td>Fr.</td>
<td>Campus Magnet/Queens</td>
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<tr>
<td>23</td>
<td>Sergey Mass</td>
<td>Center</td>
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<td>185</td>
<td>Fr.</td>
<td>James Madison/Brooklyn</td>
</tr>
<tr>
<td>22</td>
<td>Carlo Zapata</td>
<td>Guard</td>
<td>5'11&quot;</td>
<td>170</td>
<td>Sr.</td>
<td>Pearl River/Peekskill, N.Y.</td>
</tr>
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</table>
Polytechnic Hosts Competition for Future City Planners

Students from Valley Middle School in Oakland, N.J., captured first place in the sixth annual regional finals of the Future City Competition held at Polytechnic. The competition drew over 100 seventh- and eighth-grade students from the New York metro area.

The competition requires students to create—first on computer and then in large 3-D scale models—their visions of the city of tomorrow. Using SimCity 3000 software, the students fabricate a metropolis from the ground up, balance a city budget and deal with intractable social issues such as pollution and unemployment—solving intricate problems of math, science and technology along the way. Then they present and defend their city to engineer judges at the competition. They must also write an abstract describing their city and its services and an essay about the promise and limitations of biotechnology in reducing pollution.

Polytechnic awards a $5,000 annual scholarship to any member of the winning team who enrolls at the University. Annual $2,000 and $1,000 scholarships are awarded to the second- and third-place teams. In addition, the winning team earns a trip to Washington, D.C., to compete in the national finals.

The annual regional Future City Competition is sponsored by Polytechnic and the American Society of Civil Engineers with a grant from Consolidated Edison Co.

Othmer Institute Awards Grants to Three Projects

The Othmer Institute for Interdisciplinary Studies has awarded funding to three research proposals in the first round of its Major Project Initiative. The Othmer Major Project Initiative provides significant initial funding for innovative and daring interdisciplinary research and educational curriculum development. Projects supported under this effort entail risks, possess potential for significant high payoff and high impact across more than one field or discipline, strive toward significant and even “breakthrough” findings and potentially trigger major change.

The winning proposals are:

1. **Filamentous Bacteriophages: New Structural Insights and New Materials via Liquid Crystal Studies.**
   - Principle Investigator: Dr. Michael J. Stillman, professor of organic chemistry, Polytechnic. Co-Principal Investigators: Dr. Loren Day, Public Health Research Institute, and Dr. Benjamin S. Hsiao, Stony Brook University.

2. **An Active Sensor Network Using Remotely Guided Rats for Search and Rescue.**
   - Principle Investigator: Dr. Yeeb Yew, professor of electrical and computer engineering, Polytechnic. Co-Principal Investigators: from Polytechnic's Department of Electrical and Computer Engineering, Dr. Eliza Erkip, assistant professor; Dr. Zhong-Ping Jiang, assistant professor; Dr. Shivendra Parwai, associate professor; and Dr. Andrej Stefanoz, assistant professor from Polytechnic's Department of Computer and Information Science.

3. **Photonic Atom for Biological Research.**
   - Principle Investigator: Professor William T. McAllister, SUNY Health and Science Center.

   The project applies an approach from physics, the photon atom, to the study of a basic biological phenomenon—the transcription of DNA into RNA. Co-Investigators: Dr. Jordanka Zlatanova, professor of biology, Polytechnic.

   Collaborators: Dr. Stephen Arnold, the Thomas Potts Professor of Physics, Polytechnic; Dr. Sanford Leuba, University of Pittsburgh School of Medicine; and Dr. William T. McAllister, SUNY Health and Science Center.

For more information on the grants and the Othmer Institute, visit www.othmerinstitute.edu.
DEPARTMENT CHANGES NAME TO REFLECT ADVANCES IN BIOLOGY AND BIOLOGICAL ENGINEERING

Responding to increased national attention on health care and biotechnology, the Department of Chemical Engineering, Chemistry and Materials Science has changed its name to the Othmer Department of Chemical and Biological Sciences and Engineering.

The department proposed the name change to reflect the unprecedented impact of biology on the chemistry and chemical engineering professions and to attract more undergraduate students and financial support for graduate studies and research from companies and federal agencies committed to human health and biotechnology.

"The new name has scientific symmetry, emphasizing the similar roles of chemistry and biology," says Department Head Dr. Christos Georgakis. "The last decade has seen remarkable breakthroughs in biochemistry, biophysics, genetics and molecular biology.

"The new name has scientific symmetry, emphasizing the similar roles of chemistry and biology."

— Dr. Christos Georgakis
Department Head

Chemists are needed to provide a chemical understanding to many of these breakthroughs, while chemical engineers are playing key roles in applying these discoveries. Our students must be knowledgeable about the basic biology of cells, enzymes and large-scale bioprocesses to compete in tomorrow's industry."

The department will have two divisions: Chemical and Biological Engineering and Chemical and Biological Sciences. Details are presently being finalized to transform the undergraduate curriculum in chemical engineering to one in chemical and biological engineering. The department will also be proposing a new B.S. pre-med program in biochemical sciences and considering a similar action in the graduate program.

The new name also honors Dr. Donald E. Othmer 1177, Polytechnic's greatest benefactor and a long-time Poly professor of chemical engineering.

Lighting a Candle for Promises to Come

Clifford H. Goldsmith, vice chairman of the Polytechnic Board and a PROMISE FUND founder, lit a candle to begin the 2003 annual induction ceremony of the latest class of PROMISE scholars on January 30. During the ceremony, 153 scholarship recipients pledged their commitment to academic excellence to an audience of parents, Polytechnic trustees, PROMISE FUND board members and University staff and faculty. The PROMISE FUND was created in 1988 to provide scholarships to financially disadvantaged students from groups underrepresented in science and engineering who aspire to become professionals in technology-related fields.

Technology in Society Celebrates 25 Years with Special Issue

When Chancellor George Bugliarello and Management Research Professor George Schillinger published the inaugural issue of Technology in Society: An International Journal in 1978, such current means of communication as the cellular telephone, computer, Internet, PDA, DVD and digital recorder were still years away from becoming indispensable, and security concerns for information infrastructures were non issues.

On the journal's 25th anniversary, Bugliarello and Schillinger were awarded a $25,000 MacArthur Foundation grant to publish a special volume of Technology in Society that will reflect upon the past three decades of historical and technological developments and their impact on the economy, quality of life, national security and international relations. The issue will also gauge what these advances may portend for the future and will include the views of some of the best minds and most experienced practitioners in the various fields.

The special volume is scheduled for publication in late 2003.
DARPA Grant Establishes Poly as a Leader in Polymer Research

Polytechnic has received a $350,000 grant from the Defense Advanced Research Projects Agency (DARPA) to use the latest techniques in protein engineering to develop what may be the most sophisticated plastic-degrading enzyme. The grant was awarded to Poly's Center for Biocatalysis and Bioprocessing of Macromolecules, and marks one of the University's first forays into genetic research.

Dr. Richard A. Gross, the Herman E. Mark Professor of Polymer Science, will head the project, the goal of which is to design an enzyme that can break down polymers on command. If successful, such enzymes could eventually lead to specially built plastics with multiple uses—a plastic container, for instance, could be broken down into fuel.

If successful, such enzymes could eventually lead to specially built plastics with multiple uses—a plastic container, for instance, could be broken down into fuel.

Of Science. The paper caught the eye of a program director at DARPA. In a reversal of the usual order of business, the agency contacted the University.

The grant will be for one year, but is potentially the harbinger of a much larger commitment by DARPA should certain milestones be met. If the concept's feasibility can be successfully shown in the first year, the amount of the grant would likely be quadrupled and its lifetime extended by four years. To help ensure that happens, researchers at Poly will be working with some of the pioneers of protein engineering who founded a new biotech start-up company in California dubbed DNA2point0. This is not the first research grant given to Poly by DARPA in the area of polymer research. In 1999, the University was awarded a four-year, $2.6 million grant to develop a plastic coating that could detect biological threats such as anthrax.

—Shawn Keenan '02 '04

Polytechnic Tutoring Center Opens in New Jacobs Building

The Polytechnic Tutoring Center officially opened March 12 in a bright, open space in the new Joseph J. and Violet J. Jacobs Building. The center offers tutoring in math, physics, chemistry and computer science as well as English-language support for college reading and writing assignments. The center is overseen by the Department of Academic Success, created in 2001 to ensure that students successfully complete their studies at Polytechnic.

Attending the opening were student tutors and Polytechnic staff, including, from left, Ai Kou '04, Tipsey Talwar '04, Assistant Director Naomi Nemtsov, Gerli Bogdani '04, Executive Director Haung Fung '84, Reca Roopnarine '04, George Grigoyan '04 and Phillip Mak '04.

SAVE THE DATE

15th Annual
PROMISE FUND Dinner
Thursday, June 26, 2003, 6:30 pm • The Waldorf=Astoria
Distinguished Service Award for Technology and the Arts
Honoring
Glenn A. Briti
Chairman & CEO, Time Warner Cable
For more information, contact Mary Ann Scalzi
Phone: 718-260-4016 • Fax: 718-260-3084 • E-mail: mscalzi@poly.edu

Polytechnic
www.poly.edu
Health Center Opens in Othmer Hall

Tucked away on the main floor of the Donald F. and Mildred Topp Othmer Residence Hall is a place where two very different worlds converge to provide a much-needed service to the Polytechnic community. The University’s new health center, a partnership between Downtown Integrated Medical Services (DIMS) and Polytechnic, is the brainchild of Ellen Hartigan, vice president for student affairs and alumni development, and, by all accounts, the relationship is working very well.

“With the anticipated opening of the residence hall in fall 2002, the University needed to expand the on-campus services it offers to students,” says Hartigan. “With the transition from a commuter school to a residential campus, quality health care became a very important issue.”

The question for Hartigan was how to find a provider for this service which would serve the entire Polytechnic community at no additional cost to the University. After receiving bids from three prospective providers, only Downtown Integrated Medical, a fixture at MetroTech and its environs since 1997, met the University’s requirements.

The Polytechnic Health Center, located on the main floor of the Donald F. and Mildred Topp Othmer Residence Hall, provides quality, on-campus, medical care for the entire University community. Dr. John Murphy, general and family medicine practitioner, checks a student’s blood pressure during a routine exam.

Radical Science Theorist
Stephen Wolfram speaks at Polytechnic

What happens when someone drops a bag containing a big computational theory on the world?

That was the question revolutionary scientific thinker Stephen Wolfram asked the audience March 5 in the Dibner Auditorium. Wolfram was at Polytechnic to talk about a unique approach to science, detailed in his book, A New Kind of Science, which garnered a fair amount of controversy and spent time in the top slot on Amazon.com when it was published in 2002.

Traditional science, Stephen Wolfram told the audience, focuses on systems with behavior so simple that it can be summed up with a mathematical formula, a short-cut that lets one compute in a single stroke what the system will be doing at any future time. Wolfram believes that, based on this understanding of the behavior of simple programs, scientists will be able to explain how much of nature works.

Wolfram believes that... scientists will be able explain how much of nature works. During the lecture, he applied this perspective to a range of subjects, from the creation of a snowflake to the underlying structure of the universe.

Wolfram—who, in 1981, was the youngest person ever to receive a MacArthur Foundation “genius” award—has spent more than 20 years developing his computational theory. In the early 1980s, he made a series of discoveries about systems known as cellular automata, leading to numerous applications in physics, biology, mathematics, computer science and other fields. In 1986, he founded Wolfram Research Inc. and developed the software program Mathematica, which can quickly perform mathematical calculations and produce three-dimensional graphic images.

The Department of Mathematics extended the invitation to Wolfram to speak at Poly.
Buddying Up the Cellular Way: Elza Erkip Is Helping to Make Cell Phones More Reliable

Most likely this has happened to you while talking on your cellular telephone: The voice on the other end drops and swells like a tennis volley at the Met.

Dr. Elza Erkip wants to eliminate this problem—called fading—from the next generation of mobile phones. An assistant professor in electrical and computer engineering, Erkip believes the solution lies in following the method developed for soldiers to communicate on a battlefield—sending calls that hop from one mobile phone to the next in a type of buddy system. Because soldiers in the field don’t have access to telephone lines or a cellular system, if they want to communicate with each other, they first need to phone their neighbor. Soldiers help each other ferry calls to their destination in what’s known as an ad hoc network.

“The future of wireless technology is some combination of cellular and ad hoc,” says Erkip, who believes this combination will mitigate effects of fading.

Fading occurs because a wireless signal takes a roundabout route. Without a wire to connect it, a signal is radiated in all directions, creeping off cars, buildings and trees before finding its way to a base station antenna wired into the phone network.

“What makes wireless unreliable is mainly this link between the phone and the base station antenna,” explains Erkip.

The bouncing results in different copies of a signal that reach a base station antenna at different times. Depending on how many copies are delayed or deflected, the signal strength fluctuates. Many copies arrive and the signal is strong; few copies, the opposite happens. If you walk under a willow tree with rustling leaves, the signal will flicker.

“One way to eliminate this flicker is to send several signals. If one signal fails, the chances are good that another will not. Taking her cue from the military, she hopes to use nearby cell phones to accomplish this, making a mini cooperative ad hoc network where each member communicates with the base station antenna.

While Erkip still has considerable research to do—in 2001, she received a five-year, $300,000 CAREER grant, the National Science Foundation’s most prestigious award for new faculty members, to study multiple transmit elements for wireless LANs—she envisions a future where you walk down the street and someone’s phone asks yours to make a call. You won’t be able to listen while your phone is borrowed, so you’ll never know who is on the line—but it might even be the president.

—Shawn Kenyon ’02 ’04

CAN YOU HEAR ME NOW?
Professor Elza Erkip is researching methods to keep the person on the other end of your mobile phone from fading in and out.
In Memoriam

Huo-hsi Pan

Huo-hsi Pan, professor emeritus of mechanical engineering, died December 31, 2002, in Westchester County, N.Y. He was 84.

Born in China, Pan received his undergraduate degree in mechanical engineering at National Southwest Associated University in Beijing, and earned an MS in Mechanical Engineering at Texas A&M University and an MS in Applied Mechanics from Kansas State University. He was granted a PhD in 1954 from the University of California at Berkeley.

Pan taught at the University of Toledo and the University of Illinois before joining the faculty of New York University's School of Engineering and Science in 1957. After the 1973 merger of the school with Polytechnic, he taught at Polytechnic until retiring in 1990.

"Huo-hsi was a quiet yet prolific man, revered by his students." — Dr. Richard S. Thorsen '63 ’67

Author of more than 100 publications in applied mechanics, Pan is listed in Notable Americans Men of Achievement and Who’s Who in the World. He is survived by his wife, Chao, and daughters Lillian and Nina.

Polytechnic Names New Dean of Undergraduate Admissions

Jonathan D. Wexler, a veteran of college admissions, has been named dean of undergraduate admissions at Polytechnic. He was formerly director of graduate recruitment at Drexel University in Philadelphia, Pa.

Before joining Drexel University, Wexler was assistant director of admissions at Bradford College in Haverhill, Mass; previously, he was an admissions representative at Newberry College in Newberry, S.C. In 1991, he served as an office assistant to the nationally syndicated columnist George Will.

Wexler holds a master's degree in higher education administration from the University of South Carolina and a combined bachelor’s in political science and communication from Goucher College in Maryland. He is a board member of the National Human Resource Association of the greater Philadelphia area and the Jewish Heritage Program of Philadelphia; in July, he will join the Executive Alumni Board of Goucher College. He can be contacted at jwexler@poly.edu.

Faculty News

Dr. Henry L. Barton, head of the Department of Electrical and Computer Engineering, received the 2003 James R. Evans Avant Garde Award for “contributions to standard propagation models for the wireless telecommunications industry.” The award was given by the IEEE Vehicular Technology Society.

Chancellor George Bugliarello was appointed co-chair of a joint Russian-American Task Force on Urban Security. The formation of the task force was agreed upon at a March meeting in Moscow of the joint U.S. National Academies-Russian Academy of Science Committee on Terrorism Confronting the U.S. and Russia. Bugliarello, a member of the academies, co-chaired a session and made a presentation on urban security.

Dr. Mark M. Green, professor of organic chemistry, received a fellowship from the Japan Society for the Promotion of Science. Under the fellowship, he will lecture at various universities in Japan in fall 2003.

Dr. Shirley Motzkin, professor of biology, retired December 31, 2002, as professor emeritus. She joined Polytechnic in 1966 and, for many years, directed the Life Sciences and pre-med program. She also served as a speaker of the faculty and member of several faculty committees. Her research included studying the effect of radio frequency on animal tissues, an area in which she was considered an international expert. She contributed to three textbooks, was named an outstanding teacher by New York University’s College of Dentistry and is listed in numerous directories, including Who’s Who of Women and Foremost Women of the Twentieth Century.
ALUMNI PRESIDENT'S CORNER

Although it may not appeal to our engineering and scientific sense of order and logic, we have recently witnessed the phenomenon of time being created out of thin air. How else to explain those small, almost surreal images and subtitles floating across our television screens? By advertising their own shows and running movie credits in the background or off to the side while simultaneously broadcasting the news or another show, television networks have literally created precious minutes of advertising time slots to sell. Creative genius surely was at work here.

The above illustration only confirms that we are living in a world of multitasking and emerging new patterns of time management, much of it fueled by the fast-paced information superhighway. In addition, one of the biggest challenges individuals and organizations face in today's society is the financial volatility of uncertain economic times. Since 1854, Poly has undergone many changes and, through cooperative effort, has continually updated its model for delivering an outstanding education. By recognizing emerging areas, the POLYTECHNIC ALUMNI is working to help our university become agile and responsive, while remaining true to its fundamental values. We must view the challenges we face today as opportunities for transforming growth.

In an effort to push the operational boundaries, the

POLYTECHNIC ALUMNI
Nominations for Officers and Directors
2003–2004

Elections will take place at the annual meeting on Tuesday, June 3, 2003, at 6:30 p.m. in the Dilworth/CATT Building. All alumni are invited to attend and vote. RSVP to Zulma Patterson at 718/260-3885 or alumni@poly.edu.

Officers of the POLYTECHNIC ALUMNI 2003–2004 (one-year term)

President
James J. Oussani Jr. ’77

Executive Vice President
Thomas A. Mauro ’67

Vice President
George Likourezos ’92 ’92

Treasurer
Luther L. White ’87

Secretary
Stephen Garone ’73

Directors 2003–2006 (three-year term)

Henry L. Bachman ’51 • Charles J. Hinkley ’70 • Philip H. Shpilberg ’97
Director from Taiwan to be determined

Biographies of the candidates can be found at www.poly.edu/alumni.

The Office of Alumni Relations should receive additional nominations, endorsed by at least 10 alumni, by May 9, 2003.

SCHOLARSHIP RECIPIENT PROFILE:
James R. Pardise Jr.
Junior, Computer Science

Dean of Engineering Scholarship
Open Door Education Foundation Scholarship

"I am having the best time of my life at Polytechnic, and scholarships allow me to be here. They are the reason I can attend this prestigious university."

To discuss your scholarship gift, please contact Thomas Daly, director of development, at 800/765-9929 or t.daly@poly.edu.
LEONARD J. FRIEDMAN '64
Follows Golden Rule for Business Success

Entrepreneur Leonard J. Friedman’s recipe for business success is simple and direct: “Do a good job for clients and they will return,” says Friedman. “And they will bring their friends.”

As founder and president of Acid Engineering and Consulting Inc., Friedman is that rare businessman who has never had to make a sales call or submit a proposal for his services. “I’ve been fortunate,” he says, “my reputation over the past 25 years has sold my work.” Friedman is one of the nation’s leading experts in designing and operating sulfuric acid and sulfur dioxide plants worldwide. His clients include such industry giants as Chevron, Gargill, Amoco and the General Chemical Corporation.

Friedman runs his business out of a virtual office in Boca Raton, Fla., with a cadre of five to 15 employees scattered throughout the country. “Most of my colleagues have worked for me for 30 years,” he explains. “We communicate through e-mail or the telephone. They are all professionals. They know what has to be done on each assignment and they do it.”

Born in Brooklyn, N.Y., Friedman was raised in Queens, and graduated from Brooklyn Technical High School. He was drawn to Polytechnic by the strength of the faculty. “Herman Mark, Donald Orthmer and Warren McCabe were giants in the fields of chemistry and chemical engineering,” he recalls, “and I wanted to study under them.”

Looking back on his undergraduate days at Poly, Friedman remembers two other faculty members whose advice stays with him to this day: “Professors Bob Berenblit and Len Nephtali instilled in me the importance of life-long learning,” he says. “We learn something new every day, and the day we stop learning is the day we die.”

Graduating in 1964 with a bachelor’s degree in chemical engineering, Friedman joined Nuclear Fuel Services Inc. in West Valley, N.Y., as a nuclear engineer. The company was the first privately owned nuclear reactor fuel reprocessing facility in the country. He went on to hold senior engineering positions in several major corporations, including Olin, Davy-Mckee and Stansfield Chemical Company, before founding his own firm in 1979.

“There was a need in the chemical industry,” he says, explaining his decision to go solo, “for someone with experience in both the operations and contracting sides of the business to help operating companies with expansions, modifications and new plant projects. My firm fills that market niche.”

Friedman, the author of numerous technical papers and patents on sulfur dioxide recovery and sulfite acid areas, was named a fellow of the American Institute of Chemical Engineers in 1991. He is also the recipient of a Polytechnic Alumni Achievement Award. His daughter, Samantha, is graduating from Wellesley College this spring with a degree in chemistry and will attend Johns Hopkins University in the fall with a full fellowship and teaching assistantship toward a PhD in Chemistry.

An avid golfer with a 10 or 11 handicap, Friedman lives with his wife, Terry, adjacent to two golf courses. “I get to play everyday after work,” he says. “It’s not a bad life.”

PRIVATE MANHATTAN CLUB OFFERS SPECIAL RATE TO POLY ALUMNI

The Midtown Executive and Chemist’s Club, a private club in Manhattan, is offering a special membership rate to Polytechnic alumni beginning at $200 a year.

The club, on West 45 Street, features a bar, club room, conference facilities and a members-only dining room. The club offers overnight accommodations, starting at $139 a night, at its 45th Street location and a location near Wall Street. The club also provides catering and reciprocal arrangements with over 100 clubs in the United States and other countries.

Alumni interested in joining should contact Donald Ivanoff, director of alumni relations, at 718/360-3424 or divanoff@poly.edu.

LEADERSHIP SEMINAR EXPLORES CHANGE AND PROFESSIONAL SUCCESS

At a recent Alumni Leadership Seminar, Nicholas Pelliccione ’75, discussed with Poly students how being adaptable to change is imperative for the inevitable challenges of a dynamic professional career.

Pelliccione is vice president of worldwide regulatory affairs for Schering-Plough Research Institute, the pharmaceutical subsidiary of Schering-Plough Corporation. He is responsible for all chemistry, manufacturing and regulatory control for investigational and marketing applications worldwide. He earned a bachelor’s degree in chemistry from Polytechnic and a doctoral degree in biochemistry from City University of New York.

The Alumni Leadership Seminars are sponsored by the Offices of Development and Alumni Relations and offer Polytechnic students the insights and business acumen of successful alumni and friends of Poly.
MARKELL LAMBRIGHT ’99:
Network Engineer, CEO and DJ Digital

Markell Lambright is a busy man. From nine to five, he poses as a mild-mannered network engineer at the Metropolitan Museum of Art. But at night, he dons the shirt and tie to become “DJ Digital,” mixing music, not with a turntable, but with notebook computers, some tailor-made software and a couple of hard drives jam-packed with MP3s.

Lambright-the-DJ is just one of the products offered by Nvidius, a nascent technology and entertainment company co-founded by Lambright and fellow Poly alums. Lambright is the company’s chief executive, though on a part-time basis; currently, only the president, Anderson Moise, a former Polytechnic student, works for the company full time. The other seven employees must balance their entrepreneurial aspirations with a need to hold down other jobs to pay the bills.

For Lambright, this means more lunch breaks admiring paintings by Pablo Picasso at his work, not that he minds. “It’s rare that you can go to a job that’s the number-one tourist attraction in New York City,” he points out. Even so, Nvidius is where his passion lies.

Nvidius grew out of a camaraderie forged in the National Society of Black Engineers (NSBE). Lambright, who was a student-chapter president while at Poly, recalls that after a NSBE convention, he and other Poly graduates started brainstorms about entrepreneurial ideas. What they came up with was the concept of a company to handle events with technological savvy, whether a dance-hall party or an e-commerce convention. Since then, the company has grown in its plans to provide technology-oriented entertainment services to the metropolitan area, offering such services as wireless multimedia streaming of content and Internet-enabled nightclubs.

“We wanted to integrate technology and entertainment,” says Lambright, who describes his company as a kind of one-stop shop for party throwers. Nvidius secures venues, handles promotions and creates atmosphere with visual effects and the aforementioned music.

According to Lambright, it’s common in Europe for DJs to mix songs with note...
GIVING TO POLY FEELS GOOD

You don't have to be a millionaire to make a difference to a student. Alumni contributions lower the cost of a Polytechnic education and help the University provide a richer learning experience for students.

Below are several ways to give:

NAMING OPPORTUNITIES

The Alumni Wall: $1,000 to $3,000. Your name is placed on the wall in the lobby of the new Joseph J. and Violet J. Jacobs Building.

Donald F. and Mildred Topp Othmer Residence Hall: $10,000 to $50,000. Your name or that of a loved one is displayed on a sign next to a room, suite or study lounge.

SCHOLARSHIPS

Named Scholarship: $2,500 or more. Name a partial scholarship to support students with financial need.

Named Endowed Scholarship: $100,000 or more. Name a scholarship and choose the type of student to support in perpetuity.

Poly 100 Scholarship Fund: $10,000 a year for five consecutive years. In addition to supporting a student in his/her education, your name is inscribed on a large bead on a 6-foot abacus in the lobby of the Dibner/CATT Building.

Heroes Memorial Scholarship Fund: Help give an education to dependants of the victims of 9/11.

PLANNED-GIVING OPTIONS

Polytechnic University Gift Annuity: $5,000 minimum initial gift. Contractual agreement assures you income for life and a partial charitable deduction at the time of the contribution.

Charitable Remainder Trust: $100,000 minimum initial gift. The flexibility of a unitrust or annuity trust options allow you to create the best trust for your retirement income. Receive income for life, a charitable deduction and expert investment management.

Charitable Lead Trust: $500,000 minimum gift. With the current low-discount rate, this unique trust provides annual contributions to Polytechnic for a fixed number of years with the assets ultimately passing to your heirs at a significantly low gift tax cost, possibly eliminating it entirely.

For more information on any of these options, contact Thomas Daly, director of development, or Colleen Jansen, director of the Polytechnic Fund, at 800/765-9929. We're here to help!

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Polytechnic University invites You to Its Seventh Annual Polytechnic Classic Golf Tournament/Fundraiser

DATE: Sunday, May 18, 2003
TIME: 10 a.m. Registration; 11 a.m. Tee-off
PLACE: LaTourette Golf Course
1001 Richmond Hill Road, Staten Island
CONTACT: Maureen Braziel
Department of Athletics
718/360-3458 or mbraziel@poly.edu

Aurorities:
Best ball format, driving range, sleeve of balls and bag of tees, green fees and cart continental breakfast, boxed lunch, Two-hour barbecue immediately following tournament.

Prizes:
Hole-in-one—Win a Car; first-, second- and third-place team trophies for lowest net; raffle and other prizes for closest to pin, longest drive.

Make checks payable to Polytechnic University Athletics.

_ Golf and Barbecue @ $135 _ Barbecue Only @ $40
_ Hole or Tee Sponsor @ $200 _ Corporate Sponsor @ $1000
_ I will not attend, but I would like to contribute $_________

ALL PROCEEDS GO TO SUPPORTING POLYTECHNIC VARSITY TEAMS

NAME
ADDRESS
PHONE
FAX
E-MAIL

Please mail or fax your reservation to Maureen Braziel, Department of Athletics
Six MetroTech Center, Brooklyn, NY 11201, Fax: 718/260-3474
Sponsored by the Department of Athletics and the Big Apple Section of the POLYTECHNIC ALUMNI

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CLASS NOTES

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

44 ALAN M. GARDINER (CH) ’47 (CH) is commissioner of the Linden, N.J., planning board and is a member of the Union County Economic Development Corporation. NORMAN W. LORD (EE) has been studying mathematics and languages since retiring and has led groups in these subjects at the American University Institute for Learning in Retirement. F. ROBERT MAYFORTH (CH) ’46 (CH) is a vice president and financial consultant with RBC Dan Rauscher in Wilmington, Del.

45 ALBERT DE GAETA (ME) ’48 (EE) ’87 was honored by the Oratory Preparatory School of Summit, N.J., where he is on the board of trustees.

46 ROBERT C. CANAPARY (CH) ’48 (CH) ’52 (CH) and his wife, Anne, celebrated their 50th wedding anniversary in November. NORMAN L. HEWITT (CM) retired after 61 years in the field of rubber chemistry. JOHN W. MARGOSIAN (AE) is an active volunteer with the IEEE in the Washington, D.C., area.

47 RICHARD LAROSA (EE) ’47 (EE) ’53 (EE) owns a company, sealedevcontrol.com, which studies the feasibility of retarding the rise of the world’s oceans by changing ocean currents.

49 ROBERT S. HANSEN (CE) joined HHI International Consulting Inc. as a vice president after retiring from Exxon as a senior advisor for operations and engineering. NATHANIEL E. SCHWARTZ (CE) is a senior associate at a hydrogeologic and environmental engineering firm and a consultant on municipal water and sewer issues for the construction industry. He is also involved with forensic investigations.

51 DONALD A. PASCAL (CM) lives in Colorado and recently served as president of the Summit County Senior Citizens. ISIDORE SHIFFMAN (ME) is retired and now works with ceramics and sculptures. JAMES J. SIMON (ME) is retired and recently completed a European canal cruise from Amsterdam to Vienna.

52 IRWIN FRUCHTMAN (CE) wrote New York City: A Vision of the Future, which proposes 16 new public works and private developments. ROBERT H. MACKINNON (EE) is a volunteer deputy for the sheriff’s department in Lee County, Fla.

53 CARLOS BENDIKS (CE) is president of the Mobile E & P Recreational Club and a volunteer ambassador for the Dallas-Fort Worth Airport. CHARLES P. SHATTENKIRK (CE) is retired as executive deputy commissioner of the New York State Department of Labor. He is a member of the Collier County Environmental Management Council and the Columbia Memorial Hospital Ethics Committee. He is also a “professional granddaughters to the 11th degree.”

54 KERN K.N. CHANG (EE) is founder of KRN Chang Technologies Inc.

DONOR PROFILE:
Frank Sterling ’66
BS, Aerospace Engineering
President, The Blonder Company

$10,000 to the Polytechnic Fund

“Giving to the Polytechnic Fund is the most direct way I know to assist deserving people. At the risk of sounding judgmental, by ‘deserving’ I mean people who have all the tools and, most important, the initiative and willingness to work hard to better their lives, their family’s lives, and in a small way society.

They just don’t have the financial resources, which I’m glad to help provide. I know that some day, when they’re successful, they in turn will help others. So, what I’m doing has great leverage and will have effect far into the future. The fact that I am an alumnus makes it personal and special.”

To discuss your contribution to the Polytechnic Fund, please contact Thomas Daly, director of development, at 800/765-9929 or tdaly@poly.edu.
specializing in patents with offices in the United States and Shanghai, China.

56 BENEDETTO J. BUONO (EE) retired as CEO of IBM Systems I.G., the software company he founded, in January 2003; he remains chairman.

57 BERNARD COOPERMAN (EE) '60 (EE) retired as director of advanced systems development, Government Systems Group, of the IBM Corp. JERRY FLASTER (PH) volunteers as a math and English tutor at a Manhattan junior high school and sings in two choirs and in an off-off Broadway show. RALPH MADSEN (CM) has been active in human rights protests. He recently was prosecuted for protesting the U.S. Army School of Americas in Fort Benning, Ga., for training Latin American soldiers allegedly involved in human rights violations.

62 MARTIN P. EDELMAN (MA) invites Polytechnic alumni who like to sing to join him in the Mendelson Choir Club, which rehearses Monday evenings in Manhattan. For more information, call 212/249-3008.

63 MARVIN K. KING (EE) is the president of Riverside Research Institute, the institute's research office has expanded in Dayton, Ohio, to accommodate expanded service to the Air Force Institute of Technology and the Air Force Research Laboratory.

64 JOSEPH A. CASTELLANO (CM) 69 (CM) is a senior engineer and CEO of Sanford Resources Inc. in San Jose, Calif. ROBERT E. ROBINS (MA) volunteers as a Webmaster for the Seattle Audubon Society.

65 ROBERT JANKOWSKI (CE) '70 (CE) is a senior engineer in technology development at Northrop Grumman in Bethpage, N.Y. JAMES M. MANZOLILLO (CM) '72 (TP) is a consultant engineer with Lockwood, Kester & Bartlett.

67 ROBERT DEMARINO (EE) '71 (OR) is vice president and general manager of TGS Healthcare Solutions in Edison, N.J. NAIOMI H. HARLEY (NE) is the 2003 Parmelee Memorial Lecturer for the Health Physics Society. RAYMOND P. ZAMBUTO (EE) '68 (BI) is president of the American College of Clinical Engineering, a professional society focusing on maintaining and enhancing medical hardware used by hospitals and medical centers. He is also president and CEO of Technology in Medicine Inc.

69 DOUGLAS R. CAMPION (CE) '71 (TP) is a senior vice president of Kennedy Associates Inc. A St. Louis-based program management, architectural and engineering firm. NAT D. SCHATZ (CH) is director of engineering for Rhodia Inc. in Cranbury, N.J.

70 JAMES M. TERESHKO (EE) is director of quality at Benchmark Electronics in Hudson, N.H.

71 STEVEN R. FEDERMAN (PH) is a professor of astronomy at the University of Toledo and an elected fellow of the American Physical Society. ROBERT J. GIORGIO (CM) is president of CFI Engineering Solutions, an international engineering company. DENISON A. POLYN (CM) is vice president and assistant general counsel for Bausch & Lomb in Rochester, N.Y.

72 RAYMOND J. IOKO (EE) is an Orange County superior court judge named to the 4th District Court of Appeal by California Governor Gray Davis. He has been named Judge of the Year by the Orange County Bar Association's Business Litigation Section, the American Board of Trial Advocates, the Orange County Trial Lawyers Association and the Constitutional Rights Foundation of Orange County. MICHAEL WALTER SIM (CI) '73 (TP) is president of SIMCO Engineering PC, a consulting firm specializing in traffic engineering and transportation planning services.

73 RICHARD M. ARONSON (EE) '80 (EE) is a program manager at Syracuse Research Corp. in Hanover, Md. LAUREN S. MCCREALEY (HI) is a professor emeritus and retired rear admiral in the U.S. Maritime Services.

74 LARRY FRIEDMAN (SS) is president of the brand performance and strategy division of NIKE World Group, a market research company.

76 HERMAN F. BOEHNERT (CH) '78 (CB) is a senior vice president of consulting services for Aker Kvaerner Pharmaceuticals, an international engineering, design and consulting company. THOMAS MAZZOLA (TP) is a senior vice president of Eichberger Engineering PC on Long Island. ROBERT PRIETO (NE) '77 (NE) is a U.S. representative on the Asia-Pacific Economic Cooperation Business Advisory Council, which advises leaders on issues affecting the region's economy. Prieto is also a member of the board of directors of the Civil Engineering Research Foundation and the International Institute for Energy Conservation.

77 PETER W. MC DONOUGH (CM) is a senior project manager at AEC Consulting in Salt Lake City, Utah.

78 ROBERT J. DEFIORE (CE) is the managing director of project development for the Hershey Park Group in Pennsylvania. He and his wife, Shelly, have three children. KEVIN J. PHILLIPS (CE) is CEO of the FPM Group Ltd., an environmental consulting firm. He and his wife, Suzanne, have two children. WAYNE C. SUTLER (CE) is program manager for the Federal Aviation Administration Technical Surveillance Service.
81 MARTIN A. DELLATTO (CE) '97 (CT) is a project manager for Bois Lend Lease Inc. He is currently working at the American Museum of Natural History in Manhattan, where his company is renovating its IMAX theatre and Hall of Ocean Life.

82 ANTHONY F. CONCOLINO (EE) is executive vice president for sales and marketing at Aladdin Enterprise Solutions, a company he launched to build autonomous systems management software.

83 BORYS SCHAFFRAN (CH) '90 (PS) is sales and marketing manager for reactive test in Degussa’s specialty acrylics business unit. He lives in Pomona, N.Y.

85 CHRISTOPHER R. GEISS (EE) founded Software Strategies & Solutions Inc., a software development and consulting service. DAVID MILLER (CS) married Josh Rascov, a toy designer. They live in Hermosa Beach, Calif.

87 YI PING CHAN (EE) is a general partner at MaxValue Capital Ltd., which specializes in companies by sector management consulting. He lives in Hong Kong with his wife, Melanie, and daughters, Erin and Eleke. Former classmates can reach him at YChang94@alumni.gsb.columbia.edu.

88 YUNG-JOON LEE (EE) '89 (MG) is a managing consultant for IBM Business Consulting Services. He and his wife, Emma, have two daughters and live in Cambridge, Mass. IGOR TARNOPOLSKY (EN) is senior environmental chemist and quality assurance/quality control officer at the Westchester County, N.Y., Department of Laboratories and Research.

90 FERNANDO F. NAPOLITANO (MG) is the managing director of Booz Allen Hamilton in Italy.

91 CHUN Y. CHAN (EE) and TIE J. CHEN (EE) welcomed their first child, Nicholas, in early 2003.

94 JOHN F. CONNELLY (EE) is a senior electrical engineer with Sikorsky Aircraft Corp. in Stratford, Conn. He married Gail Tanna, an administrative assistant with IBM Corp., in January and lives in Westchester County, N.Y. PATMOR E. DOUGLAS (AE) is founder and chief executive of Douglas Computer Corporation, a software and products company. ERNEST J. GEBRITZ (EE) is a systems integrator for Traffic Control Systems in South Hackensack, N.J.

95 STEVEN SAMILIAN (CE) is a project engineer at Rand Engineering. He is studying for a master's degree in civil engineering and construction management at Polytechnic.

96 JOSEPH SORANNO (AE) received his master's degree in mechanical engineering from Rensselaer Polytechnic Institute.

99 JAIME S. KATZ (MG) is a vice president of real-time quote services at FactSet Research Systems, a software company located in Stamford, Conn. SEAN K. REID (EE) is a radio frequency engineer for Nextel. He was profiled in the December 2002 issue of Minority Engineer magazine.

01 MALGORZATA GRZYBKO (LI) is a graduate student in the Library Sciences Program at Queens College.

02 JOHN PERRON (EE) is a project manager for J.E. Electric Installation Company. He is managing a $15 million renovation of the St. George Ferry Terminal in Staten Island.

RICHARD LORSETZ (NB) is a fuel business manager in the Nuclear Fuel Division of Westinghouse Electric Co. In addition, he is a Boy Scout leader in Ellington, Conn., and recently achieved Brotherhood status in the Order of the Arrow. PIO MASONE (CE) is director of engineering with Bolton-Latham L.L.C. in Waldorf, Md. He is a professional engineer in Virginia and Maryland, and lives in Silver Springs with his wife, Diana, and three young sons.

JOHN GIANNETTI (CE) '85 (CE) is a senior project manager for Robert Simon Associates PC, a consulting engineering company. GLENN D. GOMER (EE) is a product support manager for Sony's business solutions and systems company.

In Memoriam

Sidney Dushman '34 • Alfred C. Mavis '37 • Walter Meditz '39 • William Bamber '41 • Joseph Buchic '41 • August I. Ryer '41 • Anthony F. Moschette '44 • John N. Falkenburg '45 • John T. Rossello '47 • Frank J. Hollenbach '49 • Justin L. Jacobs '49 • Philip A. Masters '49 • Frederic G. Weldersum '50 • Edward J. Manning '51 • Norman E. Chasek '52 • James F. Condran '52 • Murray L. Singer '52 • Frank Brown '53 • James P. LaBarbera '53 • Nicholas G. Brady '56 • Alfred J. Restaino '56 • Stephen R. Dubes '60 • Roy Levy '60 • Victor J. Shukaitis '60 • Robert Cooper '62 • Peter J. Perron '62 • Wayne S. Duryea '63 • Steward A. Ausland '64 • Gregory A. Haralamb '70 • Michael T. Plantz '72

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**VISITING NEW YORK ON A SHOE-STRING BUDGET? COME ON-A OUR HOUSE**

Polytechnic alumni and their guests can now stay at the Donald F. and Mildred Topp Ohmer Residence Hall when they visit New York City in the summer. Between June 1 and August 15, the residence hall in downtown Brooklyn is available at rates starting at $40 per person, per night, with a minimum of three nights stay. The residence hall is fully air-conditioned and contains two-bedroom suites suitable for families.

For more information, visit www.poly.edu/alumni, or contact David J. Gillette, executive director of non-degree programs, at 718/260-3240 or dgillette@poly.edu. Alumni groups interested in staying at the residence hall should contact Donald Ivanoff, director of alumni relations, at 718/260-3885 or divanoff@poly.edu.

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**POLYTECHNIC ALUMNI Annual Meeting**

**Tuesday, June 3, 2003**

Dibner Auditorium
5 MetroTech Center
Brooklyn, NY

5:30 p.m.
Alumni Reception

6:30 p.m.
Annual Meeting

7:30 p.m.
Annual Alumni Dinner
and
Silver Jubilee of the Class of '78

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

Tickets - $25 per person

Alumnus/a of the Year Award Presentation
Big Apple Section
Silent Auction

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

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**THIS ISSUE"S POLY QUIZ**

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

**QUESTION:**

An airline has a rule that it will not accept luggage measuring more than 100 cm in any one dimension. You want to check a fishing rod that measures 170 cm in length. What do you do? (And, no, you cannot fold the rod.)

This issue’s question was provided by Howard Beroff '59.

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

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**WINNER OF DRAWING FROM WINTER '03 QUIZ:**

Daniel Sommer '85 '88

More than two-dozen people correctly answered 2.7 degree Kelvin (454 degrees Fahrenheit) to the question: If you could measure the temperature in a deserted region of outer space, with nothing for light years around, how cold would it be?

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