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R.I.T.

The University Magazine SPRING 2004



RIT at 175 A celebration begins

Bright future for fuel cells
Extracurricular success



Rochester Institute of Technology

The University Magazine Spring 2004

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A message from President Simone

At RIT, we're concerned with progress. We constantly strive to do better, accomplish more. We set lofty goals and we do not rest until we succeed.

Even with this focus on the future, there is great value in celebrating the past. And what a fascinating history it is! This May, RIT begins the celebration of its 175th anniversary. The university traces its roots to a group of pioneers who wanted to enrich the cultural opportunities in their community. Just a few years later, visionary business leaders had the idea of establishing an institute where workers could acquire specialized skills needed by the area's developing industries. Merging those two organizations – the culturally oriented Rochester Athenaeum and the technically minded Mechanics Institute – was a stroke of sheer genius.

That merging of art and technology provided a foundation on which RIT continues to build. Our student body is a fantastic mix of techies and artists. The campus is home to world-class works of art and state-of-the-art laboratories. Many of RIT's faculty and alumni are esteemed in the fields of photography, art and design as well as engineering, printing, imaging science, computer-related fields and other technological areas.

Like our predecessors, we remain committed to preparing our graduates to make significant contributions in the workplace. At the same time, we prepare students to be well-rounded world citizens.

While the commitment to students remains unchanged, RIT has grown and evolved tremendously. There are many milestones in RIT's history, as you will discover from the time line that begins on page 16. For instance, 2004 marks the 60th anniversary of the name RIT, and it was in 1955 when RIT awarded its first bachelor's degrees, raising the academic program to a new level and ambition.

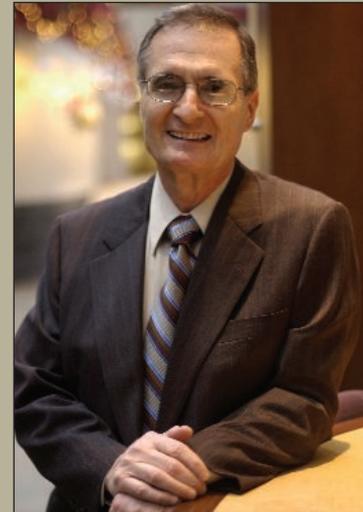
The theme of this anniversary celebration is "Education, Exploration, Innovation". Those three words aptly describe RIT's history, and they clearly define RIT's future.

The festivities begin with commencement weekend May 21-22, when Anne Mulcahy, chairwoman and CEO of Xerox Corp., will deliver the keynote address. Much of that celebration will take place in our new Gordon Field House and Activities Center.

Many activities are being planned for this special year (see page 23 for a listing, or visit the special Web site www.rit.edu/175 to find out more). I hope you will be able to participate in some of the events. This is a terrific opportunity to connect with the university and – as always – I would be delighted to welcome you back to RIT.

Cordially yours,

Albert J. Simone
President



Albert J. Simone

R·I·T

The University Magazine

Spring 2004

Features

7 Leading Edge

Extracurricular activities contribute to future success

11 The future for fuel cells

RIT is making contributions to this promising technology

15 RIT at 175

A timeline of the university's illustrious history

Departments

24 FYI

Credit card survival tactics

26 RIT Works!

Photronics Inc.

31 Class Notes

28 Alumni Activities

40 Alumni Highlights

46 Parent PrioRITies



RIT Archivist Becky Simmons is caretaker of thousands of items including these portraits of Adele Hathaway Clark (in white) and Eleanor Gleason.

Senator Hillary Rodham Clinton, shown here with CIMS Director Nabil Nasr on a visit to RIT, believes the development of fuel-cell technologies holds promise for the economy of upstate New York.



Cover

RIT mementos on the cover include a 1913 diploma from The Rochester Athenaeum and Mechanics Institute, a wrestling uniform from the 1960s; pottery produced at RIT in the early 1900s by teacher Frederick Walrath; yearbooks from the early years of the 20th century; a copy of the 1982 history of RIT by Dane Gordon; and a photo of Jessica Petty '03 (art and design), NTID's commencement delegate last year. Diploma and pottery courtesy of Professor Bruce A. Austin. Other memorabilia from the RIT Archives and Special Collections. Photo by A. Sue Weisler '93.

Hurwitz named vice president, NTID dean

"I'm ready to take NTID to the next level," says T. Alan Hurwitz, who was appointed vice president for RIT and CEO/dean for NTID in November following an extensive national search.

His confidence is backed up by 30 years of experience and a host of accomplishments. "His breadth of knowledge and experience make him a natural fit for the job," says President Albert Simone.

"My top priority is to continue benefiting our students through curricular and research innovation," Hurwitz says. "I look forward to working closely with our faculty and staff to pursue the critical initiatives that will keep RIT the leader in educating deaf and hard-of-hearing people."

Hurwitz, who replaces the retiring Robert Davila, has served as NTID's dean for the past five years. Hurwitz brought his experience as an electronics engineer and numerical control programmer from McDonnell Douglas Corp. to NTID in 1970. He taught math, electronics and computer science.

He has served as director for NTID sup-

port services, associate dean for educational support services, associate vice president for NTID Outreach and External Affairs and associate dean for student affairs. Hurwitz also served as the director of the Northeast Technical Assistance Center at NTID.

He earned a bachelor of science degree in electrical engineering from Washington University at St. Louis and holds a master of science degree in electrical engineering from St. Louis University and an Ed.D. in curriculum and teaching from the University of Rochester. He also completed the management and leadership in education program from Harvard Institute for Higher Education.

Hurwitz, born profoundly deaf and the son of deaf parents, serves on a number of boards including the Rochester School



T. Alan Hurwitz, NTID dean and RIT VP.

for the Deaf and the National Captioning Institute. He is a former president of the National Association of the Deaf and a member of AT&T's Consumers Strategies and Issues Council. He formerly served on the board of the American Society of Deaf Children and the Telecommunications for the Deaf Inc.

Xerox CEO Mulcahy to speak at commencement



Xerox Chair and CEO Anne Mulcahy will speak at Commencement May 21.

Anne Mulcahy, chairman and CEO of Xerox Corp., will be the principal speaker at this year's commencement celebration May 21 and 22.

The traditional activities marking the end of the academic year take on extra significance this year as RIT kicks off its 175th anniversary and celebrates the first Academic Convocation in the new Gordon Field House and Activities Center. Mulcahy will deliver her address and receive an honorary degree at convocation May 21.

Also at convocation, RIT will recognize the accomplishments of all 2004 graduates by officially conferring degrees. Outstanding teachers and honors stu-

dents also will be acknowledged. All graduates will be recognized individually at the eight college commencement ceremonies on May 21 and 22.

Mulcahy was named CEO of Xerox in 2001 and chairman in 2002. She began her Xerox career as a sales representative in 1976. She is a member of the boards of directors of Fuji Xerox Company, Ltd., Target, Catalyst and Fannie Mae.

Mulcahy earned a bachelor of arts degree in English and journalism from Marymount College in Tarrytown, N.Y.

More information about commencement is available online at www.rit.edu/~commence/.

NTID wins \$1.1 million for C-Print upgrades

The U.S. Department of Education has awarded two grants totaling \$1.1 million to NTID to test and evaluate new features of its C-Print® speech-to-text support service. C-Print provides real-time text display of spoken English, and then saves the text for study.

Designed to enhance deaf and hard-of-hearing students' ability to participate in class discussion, the features are part of NTID's new C-Print Pro software, allowing for communication between captionist and student computers, and enabling students to highlight the real-time display of text and to take notes.

NSF grant funds engineering research

The Center for Electronics Manufacturing and Assembly and the Semiconductor & Microsystems Fabrication Laboratory are sharing a \$406,395 grant from the National Science Foundation for optoelectronics-packaging and microsystems.

RIT's College of Applied Science and Technology and Kate Gleason College of Engineering split the award from NSF's Major Research Instrumentation program.

The grant helps RIT create the Centralized Laboratory for Imaging and Metrology for undergraduate courses, senior design projects and optoelectronics-packaging research.

\$400K received for neighborhood project

A \$400,000 grant from the U.S. Department of Housing and Urban Development will allow RIT to continue and expand its partnership with Rochester's NorthEast Neighborhood Alliance (NENA).

The mission of the partnership is to support implementation of the NENA Strategic Neighborhood Action Plan while broadening the educational experience for RIT students through co-ops, internships, independent study, volunteer opportunities and complementary courses. The competitive Community Opportunity Partnership Center (COPC) grant was one of 10 new grants funded this year and the only one awarded in New York.



CONCRETE COMMITMENT . . .

RIT's \$25 million, 155,000 square-foot Gordon Field House and Activities Center is nearing completion. With a seating capacity of more than 8,000 people, the facility will accommodate large-scale campus events such as graduation as well as indoor sports. Other features include an aquatic center with a 25-meter competition pool, a recreational pool and spa and a 17,000-square foot fitness center. On a tour of the construction site, Lucius R. "Bob" Gordon, an RIT trustee and supporter for more than 60 years and a key contributor to the field house, helped lay some of the 130,000 bricks used in the project.

Chair in international studies honors Barber Conable

The Starr Foundation has awarded RIT \$1 million in support of the Barber B. Conable Jr. Endowed Chair in International Studies, named in honor of the late statesman and former World Bank president.

The Conable Chair will be housed in RIT's College of Liberal Arts, where it will provide intellectual and academic leadership for the proposed B.S. degree program in international studies slated to begin in fall 2004.

The New York-based Starr Foundation was established in 1955 by Cornelius Vander Starr, entrepreneur and founder of the American International family of insurance and financial services companies, now known as American International Group Inc. (AIG).

"The Barber B. Conable Jr. Endowed Chair in International Studies will ensure that Barber Conable's legacy of principled and innovative leadership in the national and international arenas will be preserved for all time," said Andrew Moore, dean of RIT's College of Liberal Arts.

"It gives us great pleasure to make this grant in honor of Barber Conable, in recognition of his distinguished career and his profound understanding of international affairs," said Florence Davis, president of The Starr Foundation.

Conable was elected to the House of Representatives in 1964 and for 20 years represented a district in western New



The late Barber B. Conable Jr.

York that included the counties of Genesee, Livingston, Orleans and Wyoming, and parts of Monroe. Conable served as the seventh president of the World Bank from 1986 to 1991. He died on Nov. 30, 2003, at age 81.

The holder of the endowed chair will promote the ideals of global citizenship and responsibility embodied in Conable's achievements. He or she also will focus expertise on how scientific and technological advances impact societies and cultures worldwide, providing an interdisciplinary perspective on such issues as terrorism, international financial crises, and the proliferation of nuclear and biological weapons.

For more information on the Conable Chair or to contribute please contact Bill Pritchard at 585-475-7838.

Grant will fund research for improving digital archives in museums

The digital camera has changed how museums archive their collections for print and posterity. While film has fallen by the wayside in museum photography, imaging professionals fear the quality of the new digital archives may have suffered in the transition.

RIT won a \$164,000 grant from the Mellon Foundation to benchmark and improve the quality of art imaging in American museums. The 15-month project will establish standards and automate the process of digitally documenting museum holdings for archival and printing purposes.

"RIT is taking the lead on this," says Franziska Frey, assistant professor, School of Print Media. "No one has comprehensively looked at the quality being produced in the museums."

Frey and Roy Berns, the Richard S. Hunter Professor in RIT's Chester F. Carlson Center for Imaging Science, are asking museums about their art-imaging practices to get an overview of current practices. Their survey will elicit information about specific hardware and software, calibration, viewing environment, file format, image storage, and other

aspects of the process.

Five museums will be chosen for in-depth case studies and on-site visits.

"The goal is to improve the quality of the practices in the United States," Berns says.

"In the museum environment money is always a problem," Frey says. "You want to get things done the right way. You don't want to have to redo them."

Berns and Frey will develop new test procedures by compiling current standards, test targets and practices, and by soliciting input from museums, sensor and camera manufacturers, and organizations that develop standards for digital cameras, such as the American National Standards Institute, the International Organization for Standardization and the National Information Standards Organization.

The procedures will be tested at RIT's



Roy Berns and Franziska Frey are using the resources of RIT's Munsell Color Science Laboratory to develop procedures to help museums improve the quality of digital images of artwork.

Munsell Color Science Laboratory using camera systems representative of those used at the museums surveyed. Field tests at the museums will provide further information for refining the process. By the end of the project, a series of test procedures and targets will be available to museums.

'Democrat and Chronicle' staff and photo students capture a day in the life of RIT



Democrat and Chronicle photographer Will Yurman captures the transformation of Zilvinis Paludnevičius as he is prepared by Jason Roberts for the NTID production of *The Rage of Frankenstein*.

A small army of photographers, editors and reporters from the Rochester *Democrat and Chronicle* came to campus Feb. 10 to record "A Day in the Life of Rochester Institute of Technology."

Their images and stories were featured in a special 12-page section of the newspaper published Feb. 20. Additional words and pictures went into a companion Web site, which is expected to be available online for at least a year.

Besides the work of the newspaper staff, the Web site also includes images shot by a group of RIT photography students.

"The photographers and writers covered a lot of ground in one day and they did a good job finding interesting activities and stories," says Bob Finnerty, RIT's chief communications officer. "It's a real challenge to illustrate every aspect of a place as large and complex as RIT, but they managed to capture much of the unique essence of the university. I think many people will be surprised at the broad scope of the activities here."

To view the online version of "A Day in the Life of RIT," go to <http://www.democratandchronicle.com/homes/community/rit>.

CAST Dean Wiley McKinzie heads new academic program incubator

What does an “incubator” make you think of?

Much like the function of an incubator in hatching new life, RIT’s planned Academic Program Incubator will nurture new academic programs of study.

Wiley McKinzie, dean of the College of Applied Science and Technology, is developing the incubator for launch later this year. The incubator will be a center for technology forecasters, demographers, marketing specialists and instructional designers to forecast the needs of industry and government five years before engineering and technology graduates are in demand in the marketplace.

“RIT is positioned to be a leader in identifying new technologies early in the development cycle and creating new academic programs before graduates are needed in the marketplace,” says McKinzie, adding that the current process takes up to a decade since academic programs often are created in reaction to rather than in anticipation of demand for employees.

McKinzie has a longstanding reputation as an innovator in higher education. As



Wiley McKinzie is taking on a new challenge.

dean and, previously, associate dean and director of computer science and information technology at RIT, McKinzie was a pioneer in distance learning. He developed and taught RIT’s first distance-learning course in 1982 and fostered creation of the university’s first distance-learning academic program, a master’s in software development and management, in 1987.

He initiated numerous corporate training and interdisciplinary programs.

Under his guidance, RIT launched first-in-the-nation undergraduate and graduate programs in information technology and software engineering and the first ABET-accredited program in telecommunications engineering technology.

McKinzie was instrumental in the creation of the B. Thomas Golisano College of Computing and Information Sciences.

In order to devote time and energy to development of the incubator, McKinzie temporarily stepped aside from day-to-day dean’s responsibilities in January. Guy Johnson, former director of RIT’s National Technology Training Center, is serving as interim dean of the College of Applied Science and Technology through June 30.

In memoriam

George Georgantas, professor of mathematics, died Feb. 8. He joined the department of mathematics and statistics in 1975 and chaired the department for 15 years. He received an Eisenhart Award for Outstanding Teaching in 2001. He was a founding member of the Greek Orthodox Church of the Holy Spirit. . . . **Angela Holland**, print manager for the

University Publications department, died Dec. 4, 2003, after a brief illness. Mrs. Holland began her career at RIT in 1989 and served as liaison between the department and vendors of printing services. She played a key role in production and quality control of *The University Magazine*. . . . **Marjorie Jacobs**, former associate professor of speech reading at NTID, died Jan. 9, 2004. She joined the NTID faculty in 1972 and in 1985 received the college’s Outstanding Service Award. She retired in 1986. . . . **James McMillion Jr.**, emeritus professor of photography, died Dec. 19, 2003. A World War II veteran, Mr. McMillion was RIT’s first James E. McGhee Professor and established RIT’s photo management department. . . . **Bob Pearse**, distinguished lecturer emeritus, College of Business, died Dec. 24, 2003. He was chair of RIT’s management department prior to his retirement at age 82.

Barry Culhane honored for community service

Barry Culhane, executive assistant to President Albert Simone, is the recipient of the second Four Presidents Distinguished Public Service Award.

For more than 30 years, Culhane has contributed his time to serving the Rochester community. He has played leadership roles with the Vietnam Veterans Memorial Corporation of Greater Rochester, the Al Sigl Center, Junior Achievement of Rochester, Upstate New York Multiple Sclerosis, the Rochester Rotary Club and numerous other organizations.

“The Awards Committee believes that Dr. Culhane truly exemplifies the spirit of public service demonstrated by Presidents

Mark Ellingson, Paul Miller, Richard Rose and Albert Simone,” says Andrew Moore, dean, College of Liberal Arts and committee chairperson.



Barry Culhane

The award was created last year by Alfred Davis, vice president emeritus, on the occasion of his 65th year of association with RIT. Presented annually, the award honors a member of the RIT faculty or staff whose public service and commitment mirrors that of the four presidents with whom Davis worked. A \$2,500 donation goes to a charity designated by the Four Presidents Award winner.

The inaugural award was presented to Fred Smith, secretary of the institute, last spring.

Good to the last drop

A story in the Fall 2002 issue of *The University Magazine* helped bring a source of clean drinking water to people in El Salvador and Bolivia.

The story related the work of Sarah Brownell '98 (mechanical engineering) and Bill Larsen, RIT associate professor of civil engineering, who developed and installed simple, inexpensive drinking-water disinfecting systems in Haiti and Cambodia.

The projects caught the attention of Jerry and Judy Bohl of Otsego, Mich., parents of Julia Bohl '00 (NTID), now an NTID employee. Since 1995, the Bohls have been involved in volunteer work in El Salvador through their church. During numerous visits to the Central American country, the Bohls observed that the widespread poverty of the area was drastically compounded by the lack of clean water. Bohl, who had connections to the water industry through his work as owner of a machine shop, looked into possible solutions, but commercially available equipment proved too costly.

After reading the article, Bohl contacted Larsen. He determined that the cost to build a water purification unit and operate it for two years was \$737. He and his wife built one and took it to El Salvador in early 2003. Later, after talking about their project at a spiritual retreat, the Bohls met a Western Michigan University professor who was originally from Colombia. He and his wife funded a second unit. Another family learned about the project and offered to pay for a third.

A subsequent article in the Kalamazoo newspaper about the Bohls and their work has generated more interest. "I'm not trying to sell anything, but people respond. It cannot be bad," says Bohl.



Photo by Rob Cullivan

Sarah Brownell '98, left, explains how to piece together plumbing for an ultraviolet water-purification system in Takeo Province, Cambodia.

"We are so thankful that RIT thought the effort that Sarah and Bill put out to develop the original unit was worthy of publication."

Meanwhile, Brownell continues her work. She helped launch and provides technical expertise to the Brainstorming Technology Center – a pilot project for technology experimentation and community education aiming to eradicate water-borne illness associated with unsafe drinking water and poor sanitation in Borgne, Haiti.

Prototypes of ultraviolet water-purification systems, a solar cooker and an environmentally safe "dry toilet," all of which Brownell helped implement, are demonstrated at the center and rural outreach education seminars. Support came from RIT, the University of California at Berkeley (where Brownell is a graduate student), Massachusetts Institute of Technology's IDEAS Competition, and Haiti Outreach-Pwoje Espwa, or HOPE, a nonprofit, Rochester-based volunteer organization supporting health care, health education and economic development in Borgne.

Brownell also promoted ultraviolet water-purification systems through the Cambodia Clean Water Project and worked with Ali Ogut, RIT professor of mechanical engineering, on a project to develop more energy-efficient ultraviolet water-purification units for use in municipal wastewater treatment plants, rural areas and homes. Last fall, Brownell presented her work at a conference sponsored by Engineers Without Frontiers at Cornell University and at a Caroline Werner Gannett Lecture Series talk on citizen activism at RIT.

"Being a citizen activist is about being engaged in your community and being willing to walk outside your comfort zone where you can encounter people different from yourself," Brownell says. "Democracy grows when people come into contact with one another to share ideas, when people feel empowered to make decisions and effect change on any level, when people seek alternative sources of information, when people ask questions, when people tell their stories and when people take direct action."

Kathy Lindsley and Michael Saffran

Leading edge

Alumni say campus activities provided an advantage after graduation

Education is more than what can be learned in the classroom, library or lab. Involvement in other areas of campus life – student government, athletics, clubs, volunteer projects – often proves as important as academic success.

Those commitments require time and energy – commodities always in short supply when also juggling the demands of a typical RIT course load and, often, a job.

We caught up with some former RIT student leaders who say the extra effort paid off.

Vasilios “Bill” Salamandrakis '96

“On one hand, RIT is a big university,” recalls Vasilios “Bill” Salamandrakis '96 (imaging science). “But it’s also a small community. There are a lot of opportunities to get involved.”

A presidential scholarship brought Salamandrakis to RIT – and into contact with RIT administrators. He worked in the Student Ombuds Office (recently renamed the Student Office for Problem Resolution) with Barry Culhane, now executive assistant to President Albert Simone. Salamandrakis also helped organize the Liberty Hill breakfast series, which brings people from within and outside RIT together at President Simone’s home for presentations on a wide variety of topics. The guest speakers and audiences range from local civic and business leaders to nationally prominent figures.

“You got to meet some very interesting people,” says Salamandrakis. “That was often a very power-packed room.”

By graduation, Salamandrakis had decided to become an attorney. He received a law degree from George Washington University in 1999 and joined Bryan Cave LLP in Washington, D.C.

“With my technology background, my intention was to sally forth and become a patent attorney. But life opens other doors.” Bryan Cave is a very large, full-service firm and Salamandrakis had the opportunity to work on a variety of assignments, including corporate law.

Especially satisfying, he says, are his pro bono efforts on behalf of a non-profit agency called Kidsfirst Inc. These days, most of his work is in real estate and commercial transactions.

Just for fun, he’s taken up motorcycles. A trip through the Italian Alps is scheduled for this year. Already fluent in Greek (his parents were born in Greece), he’s taking Italian and would like to learn Russian or possibly Arabic.

It all adds up to a very busy lifestyle, but this is nothing new for Salamandrakis “RIT does instill a heck of a work ethic in you,” he says. “I enjoy it.”



Bill Salamandrakis '96

Henry Freedman '75

“I’m an inventor, basically,” explains Henry Freedman '75 (printing and photographic science).

He earned that remarkable job description in his student years at RIT when he came up with a revolutionary single-bath process for developing lithographic film. That innovation led to 22 credits in photographic science and engineering with an “A” grade average from Professor Burt Carol, an Eastman Kodak scholarship, a fellowship from the Technical Association of Graphic Arts and a Graphic Arts Technical Foundation scholarship at RIT.

Besides his exceptional work in and out of the classroom on printing and imaging projects, Freedman was deeply involved in the student hearing board with Fred Smith, now secretary of the institute and assistant to the president, and Stan McKenzie, now

provost.

“I was a defender,” notes Freedman who handled close to 50 cases over two years. “It was interesting work, and worthwhile, I think.” The board handled student offenses that might otherwise have required intervention by law enforcement agencies.

After first being introduced to the Washington, D.C., area by the National Security Agency in 1975, the 3M Corporation awarded Freedman a graduate research fellowship to attend George Washington University, where he received an MBA in government and business and had a combined course program with the GWU School of Law. Freedman researched unexpected consequences of



Henry Freedman '75

emerging communications technologies as they related to public policy. "In my graduate thesis, I foresaw that printing would go electronic," Freedman says.

In 1977 he received a \$150,000 research grant from the National Science Foundation for evaluating the long-term impact of printing-on-demand systems. He developed the first courses in the United States on electronic printing and taught these at the GWU School of Engineering and Applied Science until 1985. Freedman was elected director of the Washington, D.C., chapter of The Society of Photographic Scientists and Engineers, whose members comprise the leading imaging scientists at NASA, Department of Defense, civilian agencies and their system contractors who run highly advanced and complex imaging systems for national needs.

In 1989, Freedman received a U.S. patent for his "invention automating interconnection of printing requestors with printing manufacturing facilities." This "pioneering patent" anticipated the development of e-commerce and business-to-business online commerce – ideas that became reality with the dot-com revolution. Freedman's insight resulted in a highly successful patent licensing business. Hundreds of millions of dollars of printing are processed using Freedman's patented method.

That success provided him the means to pursue a wide variety of business and academic interests. He consults with major companies in the area of imaging and printing technologies. He edits, publishes and has written over 400 articles in his publication *Technology Watch*, a newsletter for the graphic arts and information industries. He is a frequent visitor at RIT, where he is especially interested in the development of the public policy program in the College of Liberal Arts, particularly as it could pertain to scientists and engineers. "RIT has a wonderful opportunity to leverage this effort to all areas of campus," he explains. "I'd like to see that happen."

Regarding his own success, Freedman says, "There's a formula for luck. It's the intersection of opportunity and preparedness. RIT was a key element in that formula for me. I feel very good about the university and I want the best for it."

Lessons in leadership

"Participation in extra-curricular activities allows a student the opportunity to go from managing themselves to managing others," says Robert Gerace, management development trainer at Paychex Inc. "They have the opportunity to test themselves and experience success, and that begins to establish a pattern."

In addition to his work providing training for Paychex managers, Gerace teaches management and marketing as an adjunct faculty member in the small business management certificate program offered through RIT's College of Applied Science and Technology. He's also a popular speaker in RIT's Leadership Education And Development (LEAD) program sponsored by the Center for Campus Life in collaboration with Student Affairs (see accompanying article).

"Are people born with leadership skills? I would say no," says Gerace. "People become leaders by filling a void, taking on a task that arises. You discover 'I can do this,' and that allows you to step forward."

These experiences do more than develop leadership skills, "They allow you to become a total person," says Gerace, who served on the Student Senate, was president of Phi Kappa Psi fraternity and captained the squash team in his undergrad years at University of Buffalo. "Each one of those experiences proved to be a valuable lesson in leadership beyond any courses I took."

Danielle Lacey Lazor '97

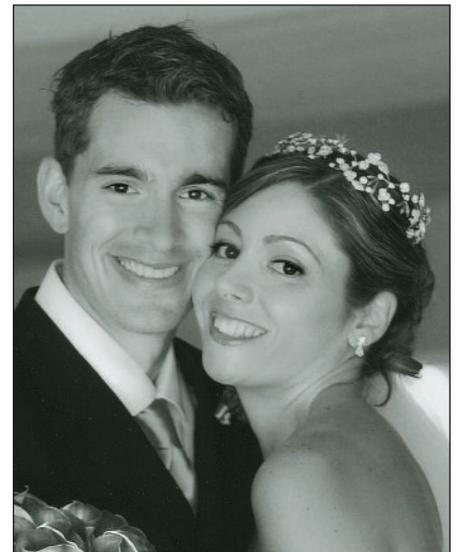
At RIT, Danielle Lacey Lazor '97 (food management) helped organize the annual "Puttin' on the RITz" galas, served as a student manager in catering with the food service department, and interned with Cindee Gray, now director of community relations and special events.

"I remember planning a picnic for 1,000 at President Simone's house," she says. "I thought that was huge."

Last year, Lazor organized a gala dinner for 13,000 as part of the Microsoft Global Convention in New Orleans – a 10-day extravaganza that brought in \$5 million for her company. As regional director of special events for industry giant Aramark Corp., Lazor works all over the world on projects ranging from the Olympics to the Democratic National Convention.

"It's grown into something beyond my comprehension," says Lazor, who has worked for Aramark for six years. "The largest conventions we have, I help plan."

In 2002, she helped launch Aramark's Aventura division, specializing in high-end events and off-premises catering. Aventura has offices in Los Angeles, Houston, New Mexico and Phoenix, which Lazor and her husband call home, although they're away much of the year. Bobby Lazor is a professional basketball player who has built his career with teams overseas. They've lived in France,



Bobby Lazor and Danielle Lacey Lazor '97

Italy, and Puerto Rico. This season, he'll be working in South Korea.

In fact, the planning of their own wedding in Phoenix was complicated by the fact that they were living in Japan at the time. She worked out details and hired a consultant. "That was a fun event," she recalls. The site was a basic box with a concrete floor. "That's really exciting to me, like starting with a blank canvas. You can design whatever you want."

That's very much like the RITz events. "I think working on that for three years made me crazy about special events. RIT

was an environment where you can make mistakes, learn from your mistakes and grow. You grow wings.”

Jessica Gugino '00

Jessica Gugino '00 (international business) was studying in England when she heard that Sean Bratches '84 (business administration) was visiting RIT to speak about his career at ESPN, the television sports network.

She was disappointed that she would miss the chance to meet him. “I knew I wanted to do something like that, something in sports,” says Gugino, an outstanding athlete who started at second base on RIT’s winning women’s softball team for four years, and was captain during her senior year.

Back at RIT, a marketing class assignment to shadow a sales representative gave Gugino a reason to contact Bratches. “I persistently pursued him,” she says. She got approval to spend a day not with Bratches, but with an ESPN rep who works in the Rochester area.

“That day there was a huge snowstorm, so he couldn’t get here,” she says. But the contacts led to an internship, and then an entry-level job. Three years later, Gugino is an account executive with ESPN’s Eastern Division, Affiliate Advertising Sales and New Business. From ESPN headquarters in Bristol, Conn., she travels to Virginia, the Carolinas, Georgia, South Florida and Puerto Rico to work with sales staff in local cable companies.

“It’s the greatest job,” she says. “I’m working for the greatest company, and for the greatest guy.” That’s Sean Bratches, now executive vice president of affiliate sales and marketing – she finally did get to meet him. “He’s really inspirational.”

A native of Pulaski, a small town in upstate New York, Gugino says she chose RIT “first for academics but also to play softball.” These days, she plays some basketball and is trying to redesign her baseball swing to drive golf balls – a new passion.

She’s also working on an MBA, and hopes to take on more responsibility at work.

“Learning new skills, taking classes, additional responsibilities – Professor (Philip) Tyler called it ‘sharpening the saw,’ ” says Gugino. “It’s important to keep challenging yourself.”



Jessica Gugino '00

John '91 and Kristine '90 Simmons

After graduation, Kristine Mamula Simmons '90 (professional and technical communication) went to work for the House Committee on Government Reform and Oversight in Washington, D.C. A year later, John Simmons '91 (business administration, finance) followed her to the nation’s capital, taking a job in the office of Congressman James T. Walsh (R-Syracuse).

A dozen years later, they have carved notable careers in public service – including Kristine’s year as a Special Assistant to President George W. Bush for Domestic Policy.

“It was a wonderful experience,” she says, “but a challenge when you have little children.” She left the White House in April 2002 to spend more time with Jack, now 4, and Caroline, 6. She has a part-time job as vice president for government affairs for the Partnership for Public Service, a non-profit organization that, according to its Web site, “works to make the government an employer of choice for talented, dedicated

Americans through educational outreach, research, legislative advocacy and partnerships with agencies on workforce management issues.”

John Simmons, after a decade with Congressman Walsh, joined Akin Gump Strauss Hauer & Feld LLP as a senior advisor.

“I help clients forge relationships on Capitol Hill,” he says. “I help them tell their story and guide them through the process.” He represents the State University of New York, Native American interests, defense contractors, and local communities concerned about proposed military base closings in 2005.

Both Simmons say RIT put them on the road to Washington. Through his involvement in Theta Xi fraternity, Greek Council and Student Government, John says, “I learned how to work with the administration. I learned I enjoyed serving the community.”

RIT gave him a particular advantage when he applied for a job with Congressman Walsh’s office. Simmons started as a biotechnology major before transferring to the College of Business and had a good deal of science and technical background. “That made me stand out,” he says. He was initially hired as “legislative assistant and systems administrator.”

Kristine, also active in Student Government, worked with John to help establish the Horton Distinguished Speaker Series. They felt RIT, as a technical institute,



Kristine '90 and John '91 Simmons and their children Caroline and Jack pay a visit to Kristine’s former boss, President George W. Bush.

needed more opportunities for political discussions. Among the early visitors was former President Jimmy Carter.

At RIT they became deeply intrigued by government service. They still are. John, in fact, admits that he may someday be interested in running for public office.

"The goal is influencing public policy to help people," says Kristine, "to make our country the best place it can be for everyone. That's what motivates us."

Melissa "Missy" Vasilev '01

As an undergrad, Melissa "Missy" Vasilev '01 accomplished a great deal: Nathaniel Rochester Society scholar, inducted into Alpha Sigma Lambda honorary society, president of the RIT chapter of American Marketing Association, Vice President of Finance for Delta Phi Epsilon Sorority, active in Lowenthal Group (the College of Business student organization). But her work with Student Government was especially rewarding.

"It was a really good crash course in working with people who were older than me," says Vasilev, now an Account

Executive at J.Brown/LMC Group, a co-marketing agency in Stamford, Conn., where she's worked since graduation.

Among her many experiences as an SG Representative-at-Large during her junior year, Vasilev participated in a presentation to the RIT Board of Trustees, urging additional financial backing for student activities. "We had to understand how the system works, how to walk the walk and, as students, present ourselves in a manner to earn respect and make an impact in the world of senior RIT administration."

It was a successful time for Student Government, which brought major speakers including Colin Powell to campus and launched a creative advertising campaign featured on the back page of the Reporter (the weekly student publication) for multiple weeks. Vasilev also had the opportunity to plan the annual Student Government banquet with a \$10,000 budget – "which was a lot for a college kid."

Today, that amount doesn't seem so large. Vasilev develops and executes co-marketing programs for many high profile clients, including Kraft Foods and the



Melissa Vasilev '01

Slim-Fast Foods Company. Her greatest efforts to date are focused on the development of client specific programming, specifically for Wal-Mart. "I work a lot," Vasilev admits, "but it's tremendously rewarding."

Not so different from her days at RIT.

Kathy Lindsley



Mina Suchak

Program focuses on future leaders

Learning to be a leader is as much about working well in a team and being able to take feedback as it is being courageous enough to forge a path for others to follow.

The Leadership Education And Development (LEAD) program at RIT is blazing a trail for tomorrow's leaders. Sponsored by the Center for Campus Life in collaboration with Student Affairs, the program offers opportunities for students to learn teamwork and relationship skills.

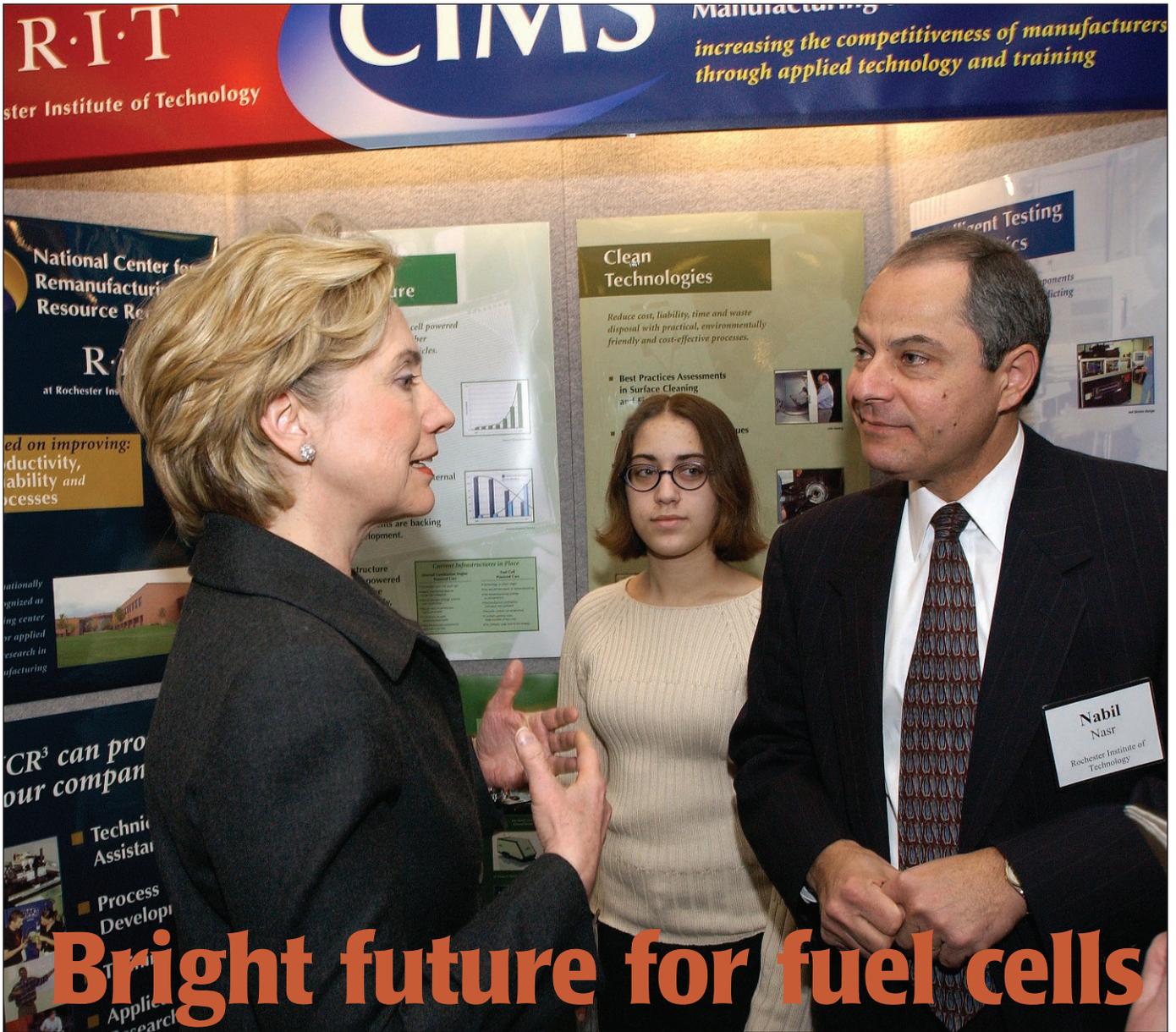
"Becoming involved in the LEAD program has been one of my best decisions at RIT," says fourth-year business management information systems major Mina Suchak. "Not only has the program helped me realize my potential as a leader, it has given me countless opportunities to put my leadership skills into practice at events, retreats and on the program's advisory board. It's also been a great opportunity to meet fellow students, faculty and staff and leaders in the community."

LEAD programs include a community lunch series covering current books and leadership topics; twice-a-year leadership adventure trips; evening track sessions on leadership issues; community service projects at Rochester City School District's Jefferson Middle School; and a corporate leadership experience sponsored by Paychex, which this year offered more than 100 RIT students sessions on leadership styles, communication skills, creative problem-solving skills and interviewing.

LEAD began six years ago with eight programs and about 70 students. It now has 35 programs with more than 500 students participating. New this year is a certificate and portfolio program covering leadership roles and styles, cultural communication, teamwork and group dynamics, emotional intelligence skills and ethical decision-making. Also new this year are a women's series focusing on career, communication and confidence, and an alternative spring break program centered on leadership and civic engagement in the works.

For more information visit www.rit.edu/lead.

Silandara Bartlett



RIT is part of the worldwide effort to harness this promising source of energy

Fuel cells offer the tantalizing prospect of a world transformed by clean, abundant energy, pollution-free vehicles and independence from fossil fuels.

The Rochester area is poised to become a leader in development of this alternative energy source, with General Motors, Delphi Corp., Harris RF Communications and Hydrogenics focusing fuel cell research efforts at facilities in the region. A number of smaller companies in the region also are involved in fuel cell-related activities, according to Greater Rochester Enterprise, an economic development group dedicated to job creation in the region.

“Fuel cell and smart energy technologies represent an opportunity for the Rochester region to drive research initiatives, create a foundation for new jobs, and position Rochester as a leader in developing innovative technologies that make a difference in society and in the environment,” says Michael A. Finney, president and CEO of Greater Rochester Enterprise (GRE). “We are pleased to have Rochester Institute of Technology, a leading fuel

cell research institution, supporting our efforts to make this a reality for the Rochester region.”

RIT is making contributions in this important field through projects underway in the Center for Integrated Manufacturing Studies (CIMS), the Kate Gleason College of Engineering (KGCOE), the College of Science (COS) and the College of Liberal Arts (COLA).

In February, RIT hosted Alternative Energy in New York Expo2004, a daylong conference to explore ways to bring together the human, educational and business resources needed for the region’s investment in new energy. The conference was sponsored by New Jobs for New York, a not-for-profit organization founded last year to encourage economic development and spur job growth in communities facing economic challenges

Above: Senator Hillary Clinton chats with CIMS Director Nabil Nasr and his daughter, Laura, at the Alternative Energy in New York Expo2004 held at RIT in February.

throughout the state. In the event's keynote address, Sen. Hillary Rodham Clinton characterized fuel cells as a form of "smart energy" that represents future job growth for the state.

"I do believe we are positioned to be the smart energy capital of the nation," she told conference participants. "We have all the ingredients to do that, including institutional capital such as RIT."

Awesome potential

Fuel cells are electromechanical devices that create electricity from sources such as hydrogen and oxygen, giving off heat and water as by-products. Although the first fuel cell was built in 1839 by Sir William Grove, a Welsh judge and gentleman scientist, serious development of the technology began in the 1960s, when fuel cells were used by NASA to furnish power for the Gemini and Apollo spacecraft and, later, the space shuttle.

Today, every major automaker in the world is attempting to develop a commercially viable fuel cell-powered car. Fuel cells are already in use in buses, trains and other vehicles, and they are being used to power facilities such as commercial buildings and water treatment plants. The fuel cell market is expected to reach \$18 billion in 10 years, according to

industry analysts.

As the use of fuel cells grows, research being performed at RIT's National Center for Remanufacturing and Resource Recovery, a unit of CIMS, is examining sustainability in the design cycle as a solution to potential problems that could surface once large-scale production is begun. Considering their current short life cycle, questions remain as to the overall costs and environmental implications of producing, using, and eventually disposing of or recycling fuel cells in large quantities.

"Design decisions are currently being made that will profoundly affect the waste stream challenges of future generations," says Nabil Nasr, director of CIMS. "Rarely does industry have the know-how and opportunity to address long-term concerns at the birth of product development."

Last year, Nasr and his research team were awarded a \$250,000 grant from the Environmental Protection Agency to develop a sustainable-design approach to proton exchange membrane fuel cells (PEMFC). This type of fuel cell is being widely researched by the automotive and energy industry and for use in home power generators. The grant was made possible through the support of Congresswoman Louise Slaughter (D-Fairport, N.Y.) and Congressman Jim Walsh (R-Syracuse), who chairs the

House subcommittee that approves funding for the EPA.

Designers of PEMFC systems need guidelines to assist with design decisions encountered along the product development path. The CIMS fuel cell program will develop a comprehensive set of tools and methodologies to be used in the design phase. The keys are reducing life cycle costs and increasing the amount of components that can be recycled or remanufactured.

"The unique opportunity to influence the architecture of the fuel cell early in the adaptation phase should not be lost," explains Nasr. "Designing components with the ultimate goal of reuse, remanufacturing or recycling significantly reduces the overall cost and environmental implications. The research and implementation of improved design for manufacturing processes will quicken the pace toward viable fuel cell applications."

A second project, funded by \$225,000 from the Environmental Protection Agency, will be underway within the next few weeks. The objective of this project is to address micro fuel cells development, infrastructure, use and disposal challenges. Micro fuel cells can be used in a broad array of products such as laptop computers and other electronic equipment.

One of the early objectives of the CIMS research is to use technology forecasting to provide predictions on the growth of micro fuel cell technology over the next 10 years – and potential problems. Additionally, this forecasting may uncover new technologies likely to emerge in this industry.

Collaborations are an important element of the CIMS research effort. Currently, the team is working with Plug Power, an Albany, N.Y.-based manufacturer of fuel cells for stationary products. CIMS and Plug Power are working with state and federal agencies to increase funding for R&D. The long-term goal is to provide tax incentives and establish the regulatory infrastructure that will serve as the foundation for widespread adoption of distributed power generation.

In the classroom and beyond

Fuel cells have an important place in undergraduate and graduate education and professional development initiatives within RIT's Kate Gleason College of Engineering.

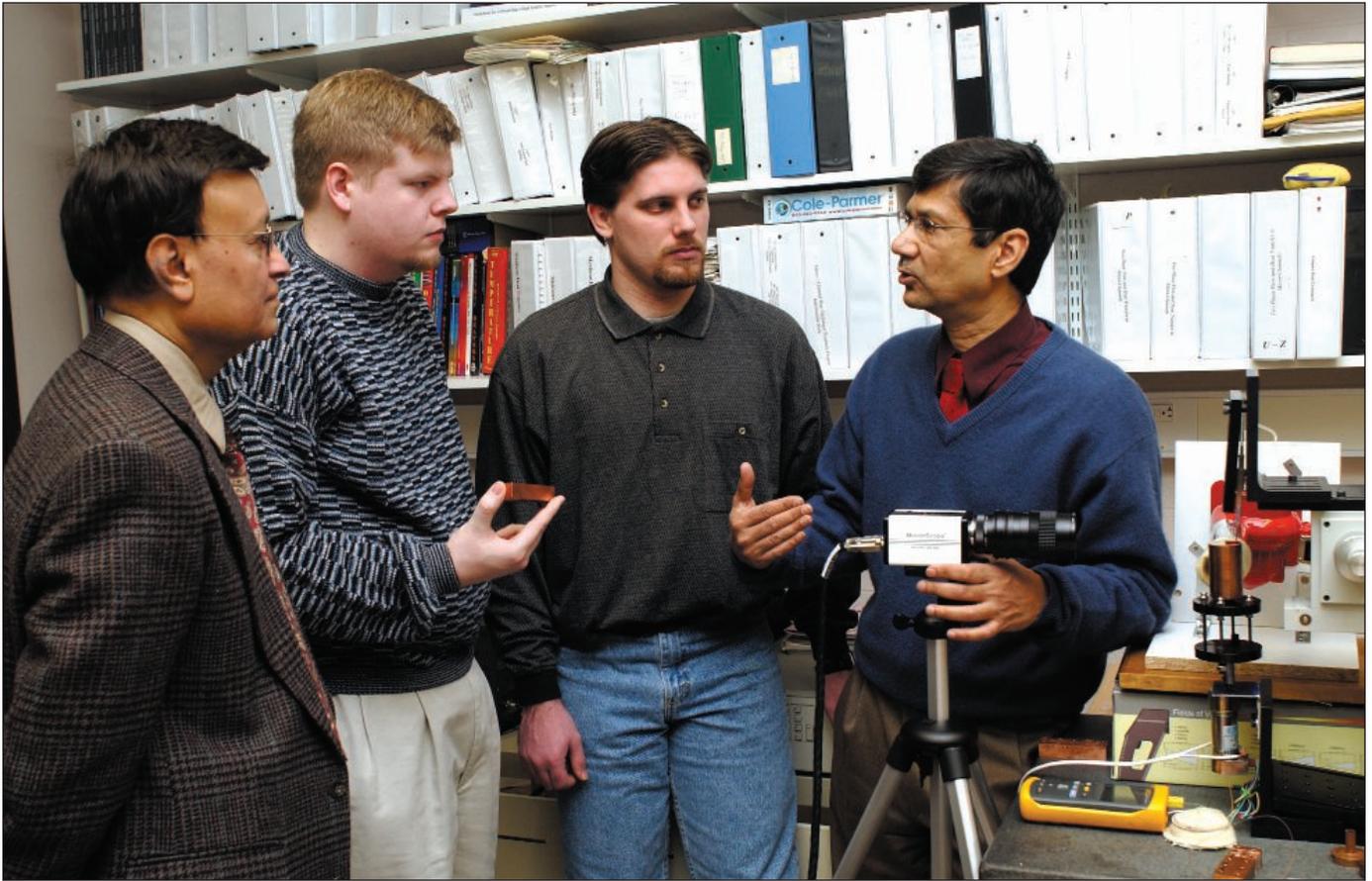
Fuel cell basics

There are several kinds of fuel cells, but in principle, every fuel cell operates something like a battery. It will produce energy in the form of electricity and heat as long as fuel is supplied.

A fuel cell consists of two electrodes sandwiched around an electrolyte. Oxygen passes over one electrode and hydrogen over the other, generating electricity, water and heat. Hydrogen fuel is fed into the "anode" of the fuel cell. Oxygen (or air) enters the fuel cell through the cathode. Encouraged by a catalyst, the hydrogen atom splits into a proton and an electron, which take different paths to the cathode. The proton passes through the electrolyte. The electrons create a separate current that can be utilized before they return to the cathode to be reunited with the hydrogen and oxygen in a molecule of water.

A fuel cell system which includes a "fuel reformer" can utilize the hydrogen from any hydrocarbon fuel – from natural gas to methanol or even gasoline. Since the fuel cell relies on chemistry and not combustion, emissions from this type of a system would still be much smaller than emissions from the cleanest fuel combustion processes.

This explanation comes from Fuel Cells 2000, an online reference. See www.fuelcells.org.



The Advanced Fuel Cell Research Laboratory in the Kate Gleason College of Engineering focuses on undergraduate and graduate education and professional development in all fuel cell technologies. From left are research pro-

fessor of mechanical engineering Ramesh Shah, who heads the lab; fifth-year engineering students Christopher Wall and Brian Banazwksi; and Satish Kandlikar, professor of mechanical engineering.

A yearly upper-level undergraduate and graduate course on fuel-cell technology, taught by Ramesh Shah, research professor of mechanical engineering, was offered for the first time last year and is filled to capacity this spring.

A student project in RIT's Advanced Fuel Cell Research Laboratory includes design of a fuel-cell-powered motorized scooter similar to gasoline-powered scooters in widespread use in many countries. A fuel-cell-powered version would eliminate high levels of pollution generated by existing scooters, says Shah, the lab's director.

A twice-yearly professional development course, Fundamentals of Fuel Cell Components and Systems, was taught at RIT for the first time in 2002. Shah instructed similar courses last year in Bangladesh and Taiwan. One course focused on portable power for electronic components requiring power of 200 watts or less, such as laptop computers

“Design decisions are currently being made that will profoundly affect the waste stream challenges of future generations.”

Nabil Nasr, director of CIMS

and personal digital assistants.

In a visit to China last December, Shah lectured on “Fuel Cell Technology and Compact Heat Exchangers” at Xi’an Jiatong University, Tsinghua University and Beijing University of Technology. He was recently named a distinguished lecturer on fuel-cell technology by the American Society of Mechanical Engineers, making him one of only 16 such lecturers from among more than 100,000 ASME members.

In June, RIT hosts the second International Conference on Fuel Cell Science, Engineering and Technology. Attendees – up to 400 are expected – will hear 15 lectures by industry, academia and government experts on engineering and technology developments in station-

ary, mobile and portable fuel-cell power generation. Last year's inaugural conference, also hosted by RIT, drew more than 200.

RIT also hosts the second International Conference on Microchannels and Minichannels in June. Close to 150 papers will be presented, says Satish Kandlikar, professor of mechanical engineering and conference chair.

“Minichannels and microchannels are critical components in fuel-cell stack design,” Kandlikar says. “There is tremendous interest in this emerging field.”

Fuel cell stacks are groups of fuel cells “stacked” together to increase power output. As Kandlikar explains, hydrogen and oxygen (air) are supplied to fuel cells

through a network of gas distribution channels. The water byproduct within a fuel cell unit is carried away through the same channels – giving it the name “two-phase flow.” Using high speed imaging techniques, researchers in RIT’s Thermal Analysis and Microfluidics Laboratory, directed by Kandlikar, are designing improved distribution methods for reacting gases by studying cooling and gas flow in fuel cells. Working with him in the lab are a post-doctoral researcher along with two doctoral, six master’s and two co-op students. The National Science Foundation, International SEMATECH and other firms have provided research support.

Both upcoming conferences are co-sponsored by the American Society of Mechanical Engineers.

Elsewhere at RIT

A number of RIT professors are pursuing fuel cell-related projects, including:

- Thomas Smith, professor of chemistry in the College of Science, who is

synthesizing a model proton exchange polymer and exploring composite polymer membrane materials. These activities are being carried out in collaboration with General Motors Fuel Cell Activities in Honeoye Falls, N.Y.

- Roman Press, distinguished researcher, and Gerald Takacs, professor of chemistry, formed the RIT Renewable Energy Enterprise (RITree) to analyze the effectiveness of using renewable sources to meet the university’s basic energy needs. Addressing part of this vision, the New York State Energy Research and Development Authority has approved funding for a study to investigate using gas from a local landfill site as an alternative energy source for a proposed RIT boiler/chiller/co-generation plant.

- James Winebrake, associate professor and chair of public policy in the College of Liberal Arts and director of the University-National Park Energy Partnership Program, addresses the role of public policy in fuel cell advancement. Winebrake works with Argonne National Laboratory to conduct energy and emis-

sions analysis of fuel cell vehicles; Massachusetts Institute of Technology International Motor Vehicle Program on exploring the role of fuel cells in U.S. transportation; and the National Park Service to provide energy audits and feasibility studies for fuel cell applications in national parks.

- Director of the NanoPower Research Laboratories Ryne Raffaele and his team have published and presented their research on developing electrodes using nanomaterials for proton exchange membrane fuel cells (PEMFC). The team continues to work with these microscopic materials to develop microelectronic fuel cells on silicon. This research is supported by the Department of Energy.

- Thomas Gennett, professor of chemistry, works on hydrogen storage using nanotubes with the National Renewable Energy Laboratory (NREL) in Colorado. His past work at NREL resulted in numerous papers, presentations and patents.

Susan Gawlowicz '95, Kathy Lindsley, Michael Saffran, Paul Stella '03

We're Saving You a Seat in RIT's Gordon Field House

When is a chair not a chair? When it's a way to show your RIT pride and support for the new Gordon Field House and Activities Center!

With a donation of \$250, you, your family, a student, or a club or organization will be recognized with an individual plaque on one of the seats in the unique retractable seating sections rolled out for major events. At commencement, concerts, or other special events, these seat plaques will announce your commitment to RIT, and your donation will help to offset some of the final costs in finishing this exciting new facility.

Show your Tiger spirit, honor a loved one, join with friends or club members, or give a seat as a gift to an RIT alumnus or graduate. To put your name on a seat, complete the order form to the right and return it in the remittance envelope in this issue of University Magazine. Or visit our website at www.rit.edu/saveaseat to save your seat online. For more information, call Frank Lamas at 585-475-2268.

But hurry — the Gordon Field House is being dedicated soon! Seats are limited and going fast!

YES! SAVE ME A SEAT IN THE NEW GORDON FIELD HOUSE AND ACTIVITIES CENTER



Name: _____

Address: _____

Phone: (in case we have questions about your order)

Name as it should appear on plaque:
 (up to 16 characters per line, up to 3 lines per plaque, spaces count as characters)

I've enclosed a check for \$250 (checks payable to RIT)

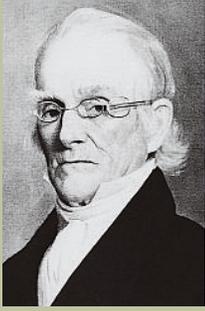
Please charge my credit card

MasterCard _____

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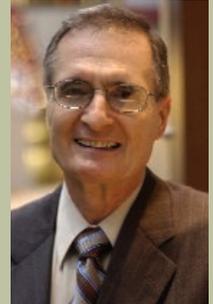
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Nathaniel Rochester
Founder of Athenaeum

175 RIT at 175



Albert J. Simone
RIT's current president

RIT will commemorate its 175th anniversary with a year-long celebration that begins with the 2004 commencement ceremonies May 21-22.



The theme for the anniversary is "RIT: Celebrating 175 years of Education, Exploration and Innovation." The anniversary will continue through the next academic year, concluding with commencement 2005.

"The anniversary year is an opportunity to not only celebrate, but also to showcase RIT to the community, as well as the nation and the world," says Deborah Stendardi, vice president for government and community relations, and co-chair of the planning committee. The 27-member team began planning the celebration more than a year ago.

"The committee has laid out a plan that reflects this goal, and also provides opportunities for all members of the RIT family to be engaged in a variety of events and activities throughout the year," Stendardi says. "In addition, we hope to create some new traditions that will carry on beyond the anniversary year."

"The 175th anniversary provides an excellent opportunity to foster pride in RIT and enhance its reputation throughout the country and internationally," says Fred Smith, secretary of the institute and assistant to the president, who also co-chairs the committee. "We look forward to a busy, but exciting year."

With this issue, *The University Magazine* begins its own year-long com-

memoration of this important anniversary. You'll find a time line noting significant dates in RIT history over the next six pages, and the next three issues will carry stories reflecting the anniversary themes as well as coverage of activities.

For a list of anniversary events, please turn to page 23.

There's also a new Web site devoted to the celebration. The address is www.rit.edu/175.

What do you remember about RIT?

If you are a graduate, parent, faculty or staff member, trustee, administrator, retiree or other member of the extended RIT family, you likely have special memories of the institute. Perhaps a faculty member influenced your life in an important way. Maybe you met your spouse here. Did an interesting project keep you working through the nights? Could it be that you still think fondly of your time in

the darkrooms, labs or shops? As we take this time to reflect on 175 years of RIT history, we'd like to share your memories with our readers. Please write to The University Magazine, Rochester Institute of Technology, 132 Lomb Memorial Drive - Building 86, Rochester, N.Y. 14623; or send e-mail to umagwww@rit.edu.

Photo of Nathaniel Rochester courtesy of the Rochester Historical Society

RIT history:

Times to remember

RIT's first 175 years are filled with milestones. Here are some of the highlights, as well as a few key events in world history.



1829 Col. Nathaniel Rochester and other Rochester community leaders found the Rochester Athenaeum "for the purpose of cultivating and promoting literature, science and the arts." The Athenaeum becomes a popular center for lectures and debates.

1844 Samuel Morse sends a "telegraph" message a distance of some 40 miles. The telegraph and Morse Code are the world's first long distance, instant communication system.

1847 The Athenaeum merges with the Mechanics Literary Association, founded in 1836, to form the Rochester Athenaeum and Mechanics Association. The libraries of the two groups boast a collection of 7,000-8,000 volumes on a variety of subjects. Speakers include Charles Dickens, Ralph Waldo Emerson, Oliver Wendell Holmes, and Frederick Douglass.

1861 – 1865 *The Civil War is fought.*

1876 Alexander Graham Bell demonstrates the telephone.

1877 Thomas Edison makes the first audio recording.

1881 George Eastman founds the Eastman Dry Plate Co., later to become Eastman Kodak Co.

1885 Mechanics Institute is founded. Ezra Andrews, Henry Lomb, Max Lowenthal, William Peck, Frank Ritter and other businessmen and citizens start the school to provide technical training for workers. Lomb, first president of the board of trustees, guides the direction of the institute until his death in 1908.

1891 Rochester Athenaeum and Mechanics Institute merge, combining cultural education and practical technical training. Enrollment reaches 1,000 students.



1885

Carved in stone

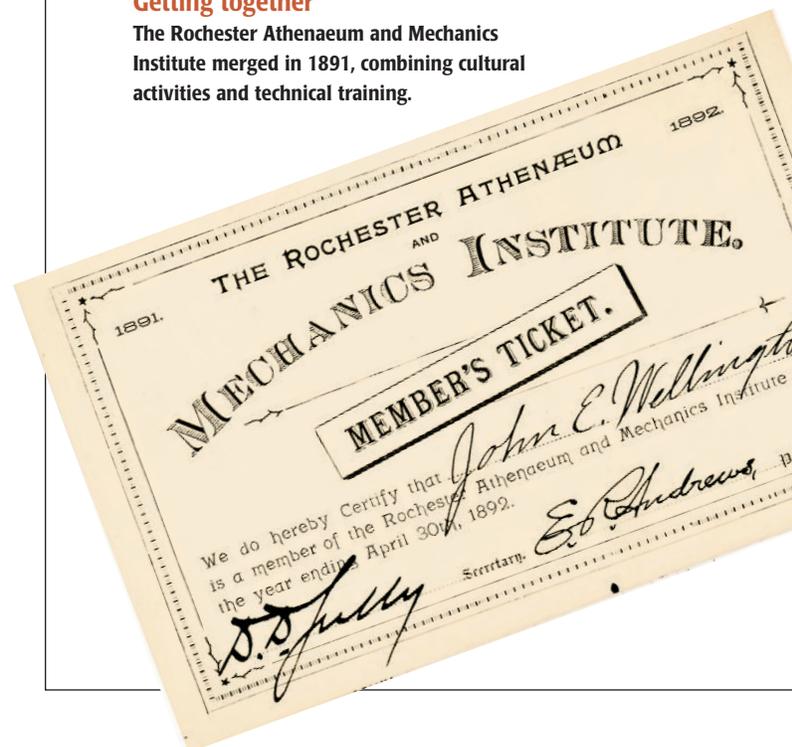
The capstone is from the Eastman Annex, one of the earliest buildings of Mechanics Institute. The "MI" insignia also appeared on athletic letters.



1891

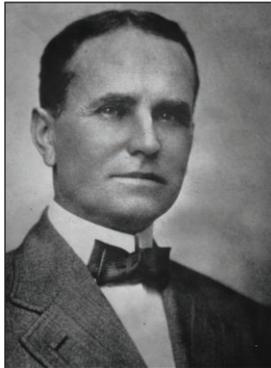
Getting together

The Rochester Athenaeum and Mechanics Institute merged in 1891, combining cultural activities and technical training.



1910

Leading man
The institute's first president, Carleton B. Gibson, served for six years.



1894 Manual Training Building, later known as Eastman Annex, is the first building erected by the institute. The building contains machine shops, classrooms and a lecture hall.

1895 Guglielmo Marconi succeeds in transmitting a wireless signal a distance of about 1.2 miles.

1903 Enrollment reaches 3,000. The school divides into five departments:
Industrial arts – Eugene Colby, superintendent
Mechanic arts and sciences (language, mathematics, science) – Roland Woodward, superintendent
Manual training – Board members James E. Gleason, Frank A. Brownell and Henry Lomb supervise
Domestic science and art – Mary Bliss, superintendent
Department of fine arts – directed by Bevier Memorial Committee made up of Adelbert Cronise, Dr. E.V. Stoddard, Harold C. Kimball, Lewis P. Ross, Charles H. Wiltsie

Orville and Wilbur Wright successfully test the world's first airplane.

first airplane

1905 Henry Ford founds the Ford Motor Co.

1909 First student publication, *The Institute Breeze*, is published, featuring a cover design and drawings by students in the fine arts department.

1910 The first president, Carleton B. Gibson, is appointed. He will serve until 1916.

1912 A cooperative education program is launched by President Gibson, giving students practical experience before they graduate. Students work in stores, factories, restaurants and hospital kitchens.

An alumni association forms.

Publication of *Ramikin*, the student yearbook, begins.

1914 War breaks out in Europe. World War I continues to 1918.

world war I

1916 James F. Barker is appointed president. He serves until 1919.

1919 Royal B. Farnum becomes president. He serves until 1921.

1922 John A. Randall becomes president. He serves until 1936.

1923 A four-year cooperative retail distribution program begins.

1928 Canadian physician Alexander Fleming discovers that penicillium mold destroys colonies of bacteria, providing the basis for the development of antibiotic medicines.

penicillium

1930 The department of photography is founded.

1912



Student views
The institute's early yearbook was called "RAMIKIN," combining the initials of Rochester Athenaeum and Mechanics Institute.



1930

In focus
The first class in photography was taught in 1903, and the photography department was founded in 1930. These are the first graduates.

1936 Wrestling coach and professor Mark Ellingson becomes president. He will serve until 1969.

1937 *Chester E. Carlson invents an electrostatic copying process that he names "Xerography."*

Empire State School of Printing, the forerunner of RIT's School of Print Media, is acquired through the efforts of newspaper publisher Frank Gannett.

World War II

1939 – 1945 *World War II is fought.*

1940 Classes are offered all day and all night to train thousands for jobs in the defense industry. Enrollment totals 4,565.

1942 The institute's evening school opens to women to assist in war effort. A counseling center opens to provide personal and career counseling to students.

1944 The institute adopts the name Rochester Institute of Technology.

Congress enacts the G.I. Bill of Rights (Servicemen's Readjustment Act), providing education benefits to veterans.

1947 *Scientists at Bell Labs invent the transistor.*

1950 With the establishment of the Graphic Arts Research Center, RIT becomes a hub of research on all aspects of the graphic arts.

The School for American Craftsmen, which was founded by Mrs. Vanderbilt Webb, moves to RIT.

Student enrollment is 4,376. RIT becomes the first technical school in New York state to offer an associate's degree in applied science.

1952 RIT acquires the McKechnie-Lunger School of Commerce in Rochester, which later becomes the College of Business.

1955 The first bachelor of science degrees are awarded.

1957 *The Soviet Union launches Sputnik I, marking the dawn of the space age and the start of the space race between the U.S. and the U.S.S.R.*

1958 *The first microchip is produced.*

1960 RIT awards its first master's degrees (all fine arts degrees).

Student enrollment reaches 8,546.

1961 The board of trustees makes the decision to move from downtown Rochester. Land south of the city in the Town of Henrietta is purchased and construction begins in 1964.



War years
Although the institute was co-ed from its earliest years, World War II brought more women to campus.

1942



1950

The art of crafts
The institute's long tradition of art and craft instruction is boosted when the School for American Craftsmen moves to RIT.

1966

The deaf are heard
With its selection as the site for the National Technical Institute for the Deaf, RIT becomes a leading center for education of the deaf and hard-of-hearing.

NTID



1968

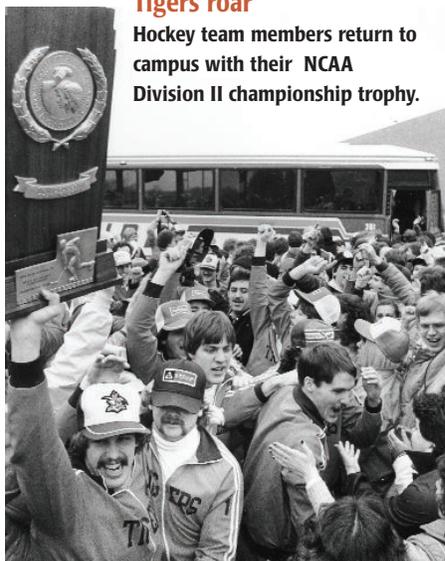
Welcome to Brick City
RIT moves from downtown Rochester to a new campus south of the city limits.



1970

Room to grow
Enrollment reaches 10,941 at RIT.

1983



Tigers roar
Hockey team members return to campus with their NCAA Division II championship trophy.

1963 The College of Science is established. An award for excellence in teaching is established. In 1974 the name is changed to the Eisenhart Awards for Outstanding Teaching.

1963 *President John F. Kennedy is assassinated.*

1964 *U.S. military involvement in Vietnam escalates after Congress passes the Gulf of Tonkin Resolution. More than 50,000 Americans and millions of Vietnamese are killed in the conflict before the U.S. withdrawal in 1973.*

1966 RIT is chosen as the home for the new National Technical Institute for the Deaf.

1968 RIT moves to its new campus, and dedication ceremonies take place in October during homecoming weekend. The first freshman class enters NTID.

1968 *Civil rights movement leader Martin Luther King Jr. is assassinated.*

1969 Paul Miller is appointed President. He serves until 1979.

1969 *U.S. astronauts land on the moon.*

1970 Enrollment reaches 10,941.

1972 The criminal justice program is announced. The School of Computer Science and Technology is founded.

1973 *Motorola produces the first cellular telephone.*

1979 M. Richard Rose becomes president. He serves until 1992. RIT continues to expand with many new degree programs.

1981 *IBM, following the lead of many smaller innovators including Apple, introduces the company's first "personal computer."*

1982 RIT installs a campus-wide computer network with 300 "intelligent" terminals.

RIT launches the nation's first undergraduate program in microelectronic engineering.

1983 The RIT men's hockey team wins the NCAA Division II championship, the institute's first NCAA championship in any sport.

1986 The Center for Microelectronic and Computer Engineering is dedicated. The facility will be a center for undergraduate education and research in the design and fabrication of integrated circuits.

1987 The RIT Athenaeum opens to provide educational and enrichment programs for people over 50.

kennedy

personal computer

1985 The first “Puttin’ on the RITz” dinner takes place. The event, sponsored by the Department of Hospitality and Service Management, becomes an annual tradition.

1988 RIT launches the nation’s first Ph.D. program in imaging science. This is also RIT’s first doctoral degree program.

1989 The International Center of Hearing and Speech Research opens. The center conducts research on the prevention, early detection, diagnosis, and treatment of people with hearing loss.

The Chester F. Carlson Center for Imaging Science is dedicated.

The telecommunications engineering technology program begins. It is the first such bachelor of science program in the United States.

1990 Enrollment is 13,195.

NASA and the European Space Agency launch the Hubble Telescope.

Software engineer Tim Berners-Lee and CERN, the European Organization for Nuclear Research, implement a hypertext system for accessing information online. Originally developed for use by physicists, HTML leads to the birth in 1991 of the World Wide Web.

1991 RIT offers full degree programs online for the first time.

The Commission on Cultural Diversity, later to become the Commission for Promoting Pluralism, is established. The goals include articulating an institutional commitment to a pluralistic campus environment and promoting diversity as an institutional value.

1992 RIT’s eighth president, Albert Simone, is appointed. RIT launches the nation’s first B.S. program in information technology.

1996 RIT offers the nation’s first undergraduate program in software engineering.

A Scottish scientist clones a sheep, Dolly.

1997 The Center for Integrated Manufacturing Studies opens with a mission to increase the competitiveness of manufacturers through technology solutions and training.

RIT opens the American College of Management and Technology in Dubrovnik, Republic of Croatia.

1998 RIT’s College of Engineering is named for Kate Gleason.

The dedication of the Center for Excellence in Mathematics, Science and Technology takes place.

First Brick City Festival is held.

1985

Full plate

The first “Puttin’ on the RITz” dinner, sponsored by the Department of Hospitality and Service Management, was a huge success.



1998

First lady

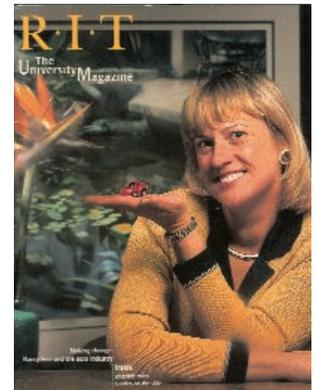
RIT’s College of Engineering takes the name of Rochester native Kate Gleason, a pioneer in many fields.



1999

Cover girl

Automotive industry exec Nancy McKee Fein '76 (applied mathematics) is featured in the first issue of *The University Magazine*.



2000s



Still growing strong
RIT ushers in a new century with new buildings, renovations and extensive campus improvements.

2001



Now there are eight
A \$14 million donation from a Rochester businessman and Board of Trustees member makes possible the creation of the B. Thomas Golisano College of Computing and Information Sciences.

1999 The first issue of *The University Magazine* is published.

2001 The B. Thomas Golisano College of Computing and Information Sciences is created. It is home for programs in computer science, information technology, and software engineering.

The Joseph F. and Helen C. Dyer Arts Center opens. The gallery will host rotating exhibits as well as NTID's permanent collection of works by deaf, hard-of-hearing, and hearing artists.

The IT Collaboratory, a state-funded project with University of Buffalo and Alfred University, is formed. The center for research in microsystems and photonics will focus on applications in high bandwidth communications and integrated remote sensing systems.

RIT introduces B.S. and M.S. programs in bioinformatics that merge biotechnology and information technology. The North Star Center for Academic Success and Cultural Affairs opens. The center serves as a source of guidance for the recruitment, retention and graduation of African American, Latino and Native American students.

A Ph.D. program in microsystems engineering, the first in the U.S., is launched by the Kate Gleason College of Engineering.

2001 On Sept. 11, the U.S. suffers a terrorist attack that destroys the World Trade Center and damages the Pentagon. More than 3,000 are killed and the nation mourns an assault on terrorist organizations.

9/11

2003 A master's degree program in telecommunication engineering technology is added to RIT's offerings of more than 340 academic programs.

ESPN Sports Zone, the first on a college campus, opens.

Printing industry giant Heidelberg Bruckmaschinen AG installs its most advanced commercial web press, the "Sunday 2000," on campus in the new Heidelberg Web Press Laboratory.

The Sentinel, a 70-foot, 110-ton steel sculpture by Albert Paley, is dedicated. It is the most prominent of numerous campus enhancement projects spanning several years.

2004

The future is here
RIT's 15,000-plus students are enrolled in more than 340 career-focused programs.



An intense international research effort known as the Human Genome Project leads to the complete genetic mapping of human beings.

genome

2004 As RIT begins its 175th anniversary celebration, more than 15,000 students are enrolled in some 340 graduate and undergraduate degree programs in the university's eight colleges.

The place for the past

Pieces of RIT's rich history fill a vault on the third floor of Wallace Library. The shelves and files of the RIT Archives are packed with memorabilia, newspaper clippings, scrapbooks, more than 10,000 photos, documents, historic portraits, posters, correspondence, RIT publications, course catalogs, audio and video tapes and many other items.

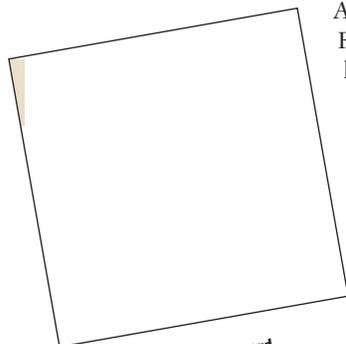
"It's a very broad collection," says Archivist Becky Simmons, who came to RIT in 2003 after serving as associate librarian at the George Eastman House: International Museum of Photography and Film. "Very few people realize what a wealth of items we have here."

Among the surprises: a hockey stick signed by all members of the 1983 NCAA men's championship team; an oil painting by Eugene Colby, the first teacher and principal of Mechanics Institute; a lace-trimmed cap and apron from the domestic arts program of the early

1900s; shovels used at numerous ground-breaking ceremonies over the years; an 1861 poster promoting a lecture on electricity.

Gladys Taylor, the first caretaker of the collection, had a very simple collection policy: "If it is about RIT, we want it!" First organized in 1960, the nucleus of the collection came from then-President Mark Ellingson's office and from Alfred Johns and Al Davis, who both had long careers as RIT faculty members and administrators. "We are greatly indebted to these gentlemen and their secretaries for preserving such valuable historical material," Taylor wrote in 1984. The collection continues to grow as contemporary items are set aside and donations of historic items are received.

The archives are available for the use of students, alumni, faculty, staff, administrators and researchers. A selection of 1,000 historic photos can be accessed via the Internet. For more information about the RIT Archives and the online photo collection, visit the Wallace Library Web site at <http://wally.rit.edu/>.



Eisenhart Teaching Award



As RIT archivist, Becky Simmons is responsible for historical items housed in Wallace Library. She's holding an 1896 landscape painting by Eugene Colby, first principal and first instructor at Mechanics Institute. The books on the table are the *History of Women Suffrage* edited by Elizabeth Cady Stanton, Susan B. Anthony and Matilda Joslyn Gage; the first volume is inscribed from Miss Anthony to Kate Gleason. *The Institute Breeze* was a student publication that began in 1909, and the photo shows the 1917-1918 basketball team.

RIT's anniversary goes online

In commemoration of the 175th anniversary, RIT has launched a special Web

site: www.rit.edu/175. The site will continue to develop throughout the year of celebration.

This is where you'll find the most up-to-date information about anniversary activities as well as interactive features



including a campus tour. There's an extensive section on RIT history with photos from the RIT Archives and Special Collections. A section on "RIT Today" features links to online editions of RIT news publications, news releases, student and alumni activities.

From the "RIT History" section, visitors have an opportunity to submit their own recollections of RIT's past. These will be compiled for future use on the Web site and in this magazine.

Also from the history section, visitors can access a new site called "What's in a Name?" developed by the staff of Wallace Library.

Visit www.rit.edu/175



175th Anniversary celebration events calendar

RIT's 175th anniversary celebration runs from May 2004 through May 2005. For more information, visit the anniversary Web site at www.rit.edu/175 or call the RIT special events office at 585-475-5012.

May 21-22, 2004: Convocation and Commencement

The 175th Anniversary Celebration kicks off with Convocation and Commencement ceremonies in the new Gordon Field House and Activities Center. Convocation speaker: Anne M. Mulcahy, chairman and CEO of Xerox Corp. For more information, see www.rit.edu/~commence/

June 10, 2004: Founders' Day

Rochester on the Rise: Technology, Talent, Tolerance, and Territorial Assets Forum and Awards Dinner featuring Richard Florida, author of *Rise of the Creative Class*.

September 2004: College of Imaging Arts and Sciences celebration

Activities include an exhibition in Bevier Gallery of the works of M. Louise Stowell, the first female faculty member at the Mechanics Institute. This exhibit is in cooperation with the Strong Museum.

Sept. 18, 2004: RIT ROCS Day (Reaching Out for Community Service)

A day of community service projects for students, faculty, staff, alumni, parents and friends throughout the U.S. and abroad. Projects will be organized in Rochester and in regional Alumni Chapters.

Oct. 21-24, 2004: Brick City Festival Alumni Weekend, Family Weekend, Reunions, and Community Open House

The 175th Anniversary edition of Brick City Festival when the RIT campus features activities for students, alumni, families and friends. This year, the entire Rochester community is invited. Activities include a performance by the Rochester Philharmonic Orchestra and Principal Pops Conductor Jeff Tyzik, as well as other entertainment. www.rit.edu/brickcity

October 2004: College of Liberal Arts celebration

Activities include a concert featuring RIT Philharmonia with the Brighton Symphony on Oct. 30.

November 2004: College of Applied Science and Technology celebration

Activities include a wine tasting, international event, alumni panel discussion, and a student club day.

December 2004: College of Science celebration

Activities include a Gala open to COS faculty, staff, students and alumni on Dec. 11.

January 2005: B. Thomas Golisano College of Computing and Information Sciences celebration

Activities include IEEE "History of Computing" Visual Display; RIT Computing Timeline Visual Display; club day – Jan. 5; guest lectures – Jan. 5 and 19; movie nights (computing theme) – Jan. 12 and 26; Dean's Lecture Series – Jan. 21; computing trade show – Jan. 19; Women in Computing luncheon – Jan. 14; alumni dinner – Jan. 28.

February 2005: North Star Center

Activities include a carnival in the Student-Alumni Union.

Feb. 10, 2005: Charter Day Convocation

Academic convocation to mark the signing of the 1829 charter.

March 2005: Kate Gleason College of Engineering celebration

Activities include the FIRST Regional Robotics Competition for high school students and FIRST LEGO League tournament for 9- to 14-year-olds.

April 2005: National Technical Institute for the Deaf celebration

Activities include an exhibit of works by NTID Alumni, Dyer Arts Center.

April 30, 2005: RIT Campus Parade

RIT students and alumni revive a tradition – the annual Spring Weekend Parade with floats to commemorate the 175th Anniversary. Alumni are welcome to join in the parade.

May 2005: College of Business celebration

Activities include a lecture by a distinguished guest to be announced.

May 2005: Commencement, Convocation and Finale of the 175th Anniversary Celebration.

How to Survive in the 'Credit Card Nation'

By Robert D. Manning

Consumer credit cards are one of the most important advances of modern society. Like the PC and the internet, bank credit cards have revolutionized personal finance and, for most of us, are a convenience that would be nearly impossible to live without. How difficult would life be if we had to provide a cash deposit on a rental car, send a certified check for a hotel room, or bring large amounts of cash on business trips or vacations. Indeed, without credit cards, commerce would flow much less efficiently and "new" economy businesses such as Amazon.com, E-Bay, and Hotels.com could not even exist.

For "convenience" users, i.e. the 39 percent of households that pay off their credit card balances at the end of the month, the "magic of plastic" is truly miraculous since it provides free loans and other useful membership services. Various reward programs, moreover, offer free gifts and even cash rebates simply for using credit cards rather than cash. What a deal! That is why the credit card industry disparagingly refers to convenience users as "deadbeats."

Overall, about three out of five American households (61 percent) don't pay off their balances at the end of the

month. These credit card "revolvers" essentially pay for deadbeats and generate the record profits for the credit card industry.

Although the U.S. Federal Reserve has reduced interest rates during the recent recession to historic lows, most credit card "revolvers" have received only modest relief; finance charges have fallen from an average of almost 19 percent in 1999 to about 15 percent today. Furthermore, penalty fees have jumped from \$1.7 billion in 1996 to more than \$9 billion in 2003.

Beware of the fine print in your contract with \$35 late and overlimit fees. In real terms – after adjusting for inflation – the cost of borrowing money on credit cards (interest and fees) has nearly tripled since the onset of banking deregulation in the early 1980s. No wonder the largest banks (top 10 control 83.5 percent of the credit card market) literally flood our mailboxes and e-mail accounts with applications for "easy" money – more than 5 billion last year.

So, do you aspire to become a deadbeat? Are you interested in stretching your "Yuppie Food Stamps?" Do you want to learn how to make the "magic of plastic" work for you rather than inflating the profits of your favorite bank? If you



Robert D. Manning is Professor and Special Assistant to the Provost. He frequently testifies before Congress on behalf of citizen consumer rights. He is the author of *Credit Card Nation* (Basic Books, 2000) and his 1999 study of student credit card debt was the basis of a *Sixty Minutes II* program. His next book, *Give Yourself Credit*, is a guide to consumer credit. Recent radio interviews conducted by National Public Radio (NPR) and British Broadcast Corporation (BBC), are accessible at www.creditcardnation.com.

responded "yes" to any of the above, now is the time to take my crash course on how to survive in the Credit Card Nation.

Top Ten Tips of the Credit Card Nation

1. Repeat after me, I don't pay membership fees. If you paid a membership last year, call your friendly customer service representative and insist that the fee be waived (unless it is a frequent flier program). Otherwise, there are lots of better deals out there. Check out the range of possibilities at www.bankrate.com.

2. If you are a "revolver," reduce the number of bank credit card accounts to a maximum of two. Keep a high-interest card that has many useful benefits such as free car rental insurance or annual itemized statements and pay these charges off in full each month. The second credit card should be a no-frills, low-interest credit card (under 9.9 percent fixed or 7.9 percent variable rate)

where you maintain a monthly balance.

3. If you are a "convenience" user, be sure that the "grace" period is at least 21 days. And, resist frequent flyer reward programs with membership fees unless you charge at least \$20,000 per year. For most, the best rewards are cash-back programs – at least 1 percent of all charges. If you choose a "free" gift, make sure that the delivery fees are modest.

4. Call your friendly customer service representative and demand a lower interest rate. Believe it or not, you can bargain over the phone. Play hardball and insist on talking to a supervisor, you may even get a free gift. After all, you work hard for your money, what have you got to lose? You can also contest late fees but don't push it after the second "waiver."

5. Now is the time to lock in on a fixed rate account, pronto. Interest rates are so low that banks have established a "floor" so that your finance charges will not fall

anymore – even if the Federal Reserve lowers the rate it charges to your bank. Trust me, interest rates will rise over the next two years, including home mortgages.

6. Look out for the classic “bait and switch” maneuver. If the credit card offer sounds too good to be true, it probably is. Make sure that the credit card that you received is the one that you applied for. Banks are not obligated to inform you that they changed their minds or explain why they will not honor their previous “pre-approved” offer. Many consumers don’t realize that they have been duped until they use their new card and it is too late.

7. Monitor the low “fixed for life” interest rate that was the reason that you

signed up for the credit card or transferred a balance from another credit card account. It is not unusual for the 3.9 percent rate that you started with to jump to 23.8 percent simply due to debts on other bank accounts or being late by a day on a single payment.

8. Check for “tiered” interest rates on your account balances. For example, you may have taken a cash advance that is at the highest rate (at least 19.9 percent), normal rate for purchases (12.9 percent to 14.9 percent), and low introductory “teaser” rates (0 percent to 4.9 percent). Suddenly, the short-term rate expires and you want to pay it off after it jumps to 19.9 percent. The problem is that your contract specifies that your monthly payment is applied to the low-

est interest rates. You may need to transfer the entire balance to another card in order to take advantage of the “magic of plastic.”

9. Cancel all of your unused bank and retail credit accounts. You probably don’t even remember what you bought with those 10 percent to 20 percent discounts that enticed you to open those retail credit accounts. Nevertheless, they are probably still “open” accounts, which means that they negatively affect your credit score since these lines of credit are calculated as potential debt obligations.

10. Don’t even think about a credit card insurance program. Unless you like to literally burn your hard-earned cash, these unemployment and disability programs

are pricey and not worth the cost. In a word, they are a ripoff. Use these premiums to pay down the principal of your account balance(s).

So, how well did you learn your lessons? Are you prepared to lower your interest rates and embark on the liberating path to “deadbeat” status? Ready to assert your consumer rights and demand better customer service? Want to cross the social divide of debt and pursue the empowerment of investing?

Congratulations, and remember, choose wisely!

Members of the RIT community share expertise on a variety of subjects in FYI.

RIT among 200 colleges offering new tuition program

Families could save thousands with new Independent 529 plan

A new savings plan being offered by RIT will allow families to lock in tomorrow’s tuition at less than today’s price. RIT is participating in an Independent 529 Plan, a new prepaid college tuition plan tailored for private colleges.

“We see this plan as part of our ongoing efforts to make higher education accessible to more families,” said Verna Hazen, RIT’s financial aid director. “For purchasers, the effectiveness of the Independent 529 Plan is not dependent on the performance of the stock or bond markets. Rather, contributors are actually pre-purchasing tuition, in part or in whole, at less than today’s prices.”

Families have been attracted to 529 plans because of the tax-free savings. Benefits are also transferable to other family members and refunds are available if a child receives a scholarship or decides not to attend college. But unlike the popular state-sponsored 529 plans, the Independent 529 plan has no investment risk or management fees.

“Regardless of whether a student attends RIT or another one of the other 200 private institutions in our consortium, the Independent 529 plan represents a way for parents to contribute and pay for private college without worrying about either investment risk or tuition inflation,” said Hazen.

Here is how the plan works:

The plan enables a parent to purchase a certificate for part or all of tuition that can be used at any participating private college. They pay today’s prices, less a discount that reduces the cost even further. At a minimum, institutions must offer a half percent per year off current tuition rates.

When it is time to enter college, parents redeem the certificate for the guaranteed amount of tuition no matter how much colleges are charging at the time the new freshman enrolls. The certificate may vary in how much tuition it pays. Parents can get started with contributions as low as \$25 per month.

For more information on RIT’s Independent 529 Plan, contact Verna Hazen, financial aid director, at 585-475-5520 or vjhfsa@rit.edu. Information is also available online at www.independent529plan.org.

Independent 529 Plan key features:

- Consumers pay at today’s tuition rate, an opportunity to beat inflation.
- No fees of any kind.
- A parent, relative or friend at any income level can establish an Independent 529 Plan for a beneficiary (eventual student) and may also transfer use of the tuition certificates to a wide range of relatives of the beneficiary.
- Accounts can be opened for as little as \$25 provided contributions total at least \$500 within two years. The maximum lifetime contribution limit is equal to five years worth of tuition at the most expensive participating private college in the plan.
- The number of participating private colleges and universities, now at more than 200, may increase over time.
- Contributions are made on an after-tax basis and any increase in value realized when a tuition certificate is redeemed will be free of federal and state taxes.

Micro-e excellence links Photonics and RIT

Tiny integrated circuits drive today's technology, forming the basis of countless devices ranging from personal computers to cell phones to TV remote controls.

"Chips are in everything," says Steve Carlson '88 (microelectronic engineering) and '90 (M.S., imaging science), senior vice president for research and development for Photonics Inc. The company is the world leader in the design, development and production of photomasks, a key element in the manufacture of semiconductor and microelectronic components. Photonics, which reported sales of \$91.5 million for the fourth quarter of fiscal 2003, is a public company listed on the Nasdaq stock exchange (PLAB).

Photomasks, produced through a printing process called microlithography, are high-precision quartz plates that contain microscopic images of electronic circuits. The masks are used to transfer the circuit patterns onto the silicon layers that make up a chip. Chips vary in complexity, but a typical computer microprocessor requires 30 to 40 different masks each costing as much as \$150,000.

"It's really fascinating," says Carlson, noting that the ability to create increasingly intricate photomasks has become the most critical step in the process of manufacturing smaller and more powerful microprocessors and other components. Carlson was drawn to microlithography "because it seemed like the most complex and least understood" part of the process of producing microelectronic components.

"What has happened is microlithography has become the gating mechanism for the mythical Moore's Law," says Carlson, referring to the 1965 prediction by Gordon Moore of Intel stating that the transistor density on integrated circuits

would double every couple of years, resulting in increased performance and decreased cost. To date, that law has not been broken, thanks to the efforts of engineers and scientists – RIT grads included.

Carlson, who joined Photonics five years ago, is one of many RIT alumni working for the company.

"Two things make RIT grads especially attractive," says Carlson, who was named Distinguished Alumnus of the Kate Gleason College of Engineering in 1999.

"Through the micro-e lab, students gain exposure to directly relevant projects. And in the co-op program, they get real work experience. It gives them a great head start."

Photonics, whose customers include companies such as IBM, Intel, Texas Instruments and Samsung, has manufacturing facilities in Asia, Europe and North America. Currently, in addition to the many RIT grads in full-time jobs, the company typically employs six co-ops each quarter at the Allen, Texas, Austin, Texas or Brookfield, Conn., facilities.

RIT graduates currently working at Allen, Texas, include Carlson; Development Engineers Marc Cangemi '03 (microelectronic engineering), Mike Cangemi '98 (micro-e), Bryan Kasprovicz '96 (micro-e) and Matt Lassiter '00 (micro-e); Human Resources Manager Terry Kibler '80 (business administration); Quality Assurance Manager Dave Moffett '77 (imaging science); and Manufacturing Engineer Mohammed



Among the many RIT grads who work at Photonics Inc. is this group at the company's Allen, Texas facility. From left are Terry Kibler '80, Eric Poortinga '02, Mike Cangemi '98, Dave Mofett '77, Matt Lassiter '00, Steve Carlson '88 and '90, Marc Cangemi '03 and Bryan Kasprovicz '96.

Razzak '96 (microelectronic manufacturing engineering). Alumni employed at the Austin site include Ben Eynon '87 (micro-e), director advanced process development; Development Engineers Eric Poortinga '02 (micro-e) and Tejas Javeri '03 (micro-e); and Manufacturing Engineers Matt Malloy '03 (micro-e) and Matt Shepard '03 (micro-e). Alums at the Brookfield facility include Christopher Goetz '88 (imaging science), director of corporate quality, and Julio Bonilla '96 (micro-e), quality engineer.

Photonics has other important ties to RIT. The company has initiated some joint R&D work with RIT, provided guidance on student projects and donated a MEBES III e-beam tool and other equipment and materials to RIT's microelectronic engineering program. The company was formally recognized as an Industrial Affiliate of the Microelectronic Engineering program in 2000.

ALUMNI WEEKEND 2004 *at* BRICK CITY FESTIVAL

FAMILY WEEKEND • REUNION • ALUMNI WEEKEND



ALL ALUMNI, PARENTS, FAMILIES & FRIENDS ARE WELCOME!



Regional Alumni Activities

For questions or registration information regarding Regional Alumni Activities please visit www.rit.edu/alumniactivities or call our toll-free number at 866-RIT-ALUM.

Albany

A family outing to enjoy winter was scheduled for Feb. 28. Thank you to alumni hosts **John and Laura Comstock '94 and '92** for coordinating this event.

Upcoming event

Saturday, Aug. 21: Second annual Day at the Races. Alumni and guests will be able to enjoy The Alabama and The Hopeful races at the Saratoga Race Course. Lunch in the Paddock Tent will be available. Tickets for \$35 each (includes admission, lunch and clubhouse access) will be available online and at the Office of Alumni Relations.

Atlanta

Alumni met for a networking night on Dec. 9 at Dailey's restaurant in downtown Atlanta and again on March 6 for lunch and a tour of CNN.

Upcoming event

Thursday, June 7: Watch for information on our Web site regarding our next event in the Marietta area.

Boston

The chapter attempted to see the Vienna Choir Boys perform on Dec. 5. However, the group came down with the flu and cancelled their performance.

Alumni and their guests enjoyed The Little Theatre of the Deaf's production of "The Giving Tree and Other Stories" on Feb. 1.

Jennifer Lindstrom '99 served as the alumni host on Feb. 19 for the networking night at the restaurant Vox Populi.

Upcoming event

Tuesday, June 15: Boston Pops "Red, White & Blue Pops." The evening includes a pre-show reception at Symphony Hall. Tickets, \$85 each or \$150 per couple, will be available online and at the Office of Alumni Relations. This price includes the reception and the performance. Your alumni host for this event is **Pat Ward '97**.

Buffalo

Thank you to chapter leader **Tom Stumpf '89** for his continued involvement in organizing alumni events.

Upcoming events

Saturday, April 24: House tour. Alumni and guests will join the Rochester Chapter for an exciting day of touring the Frank Lloyd Wright Homes in Buffalo.

Tuesday, June 22: Networking night. We are looking for your suggestions. Call the Alumni Relations Office with your ideas. If your venue is chosen, you will receive a complimentary ticket to this event.

Central Florida

Alumni met for a delicious meal at Emeril's restaurant in Orlando. The next event is being planned for May in the St. Petersburg area.



Tiger Sports night gave Rochester Chapter members a chance to visit the RITskeller and ESPN Sports Zone.



Las Vegas alumni join RIT staff at Bellagio. We are interested in hearing from alumni in the Las Vegas area to determine interest in organizing an annual event.

Cleveland

An evening at NASA Glenn Research Center was enjoyed by alumni and guests on Dec. 4. Thank you to chapter leader **Al Teufen '73** and **Kevin Burke '87** for coordinating.

Los Angeles

Alumni and guests enjoyed an evening at the Cheesecake Factory on Jan. 13. Thank you to all alumni who contributed suggestions for future events. The next event being planned is a networking reception at the House of Blues.

New Jersey, Connecticut, and Rhode Island

The Alumni Relations Office will be reaching outside its current chapters to determine interest in additional cities. Join fellow alumni and friends in any of the following areas: New Jersey, May 25; Connecticut, May 26; and Rhode Island, May 27. If you have an interest in helping with one of these events please contact the Office of Alumni Relations. Look to our Web site to obtain additional information.

New York City

Another great networking night was coordinated by veteran alumni hosts **Amy Sundstrom '95** and **Jennifer Zausmer '93**. Alumni and guests gathered at the Ginger Man on Jan. 22 to socialize.

Alumni host **Vivian Verlaan '02** responded "the concert was wonderful" regarding composer John Williams' guest performance with the New York Philharmonic.

Upcoming events

7-10 p.m. Thursday, May 13: dinner cruise. Tickets are \$50 each and include dinner. This is a great time to enjoy picturesque New York City. Your alumni hosts for this event are **Jennifer Rhodes '96** and **Maria Sebastian '98**. Tickets are available online and at the Office of Alumni Relations.

1:05 p.m. Sunday, Aug. 8: New York Yankees vs. the Toronto Blue Jays.

Tickets for \$15 each (tier reserved seating) will be available online and at the Office of Alumni Relations. Your alumni hosts are **Mike Larson '93** and **Wayne Stern '93**.

Philadelphia

Specially priced tickets were available to alumni for the "Manet and the Sea" exhibit at the Philadelphia Museum of Art.

Upcoming events

10 a.m. Saturday, May 15: Tour of Fort Mifflin. The tour will include a canon demonstration as well as a uniform and weapons demo. Following the historical adventure, lunch will be available. Your alumni host is **Paul Brown '84**. Adult tickets for \$12 each and children's tickets for \$10 each will be available in the Office of Alumni Relations and online. Tickets include the tour and lunch.

TBA: Baseball outing. Chapter leader **Aviva Dubrow '91** is planning a visit to the new stadium. Stay tuned to the Web site for more information on this activity.

Phoenix

Phoenix alumni started the New Year with a scenic hike in South Mountain Park on Jan. 10.

Upcoming event

Tuesday, May 25: Networking night. Stay tuned to the Web site for more information.



LA alumni enjoy a meal at the Cheesecake Factory while planning upcoming events in their area.



Phoenix alumni kick off the New Year with a hike in South Mountain Park.

For questions or registration information regarding Regional Alumni Activities please visit www.rit.edu/alumniactivities or call our toll-free number at 866-RIT-ALUM.

Alumni Activities

For questions or registration information regarding Regional Alumni Activities please visit www.rit.edu/alumniactivities or call our toll-free number at 866-RIT-ALUM.



Former Sports Information Director J. Roger Dykes attended Tiger Sports Night at RIT.



Raleigh Durham area alums show their spirit at a Duke women's basketball game.



Austin, Texas, alums socialized at the Austin Club.

Rochester

Thank you to all the Rochester-based alumni who participated in the online survey to determine the 2004 schedule of events for the chapter! The first event of 2004 was Tiger Sports Night Jan. 24. This annual alumni event to support student athletes was enjoyed by all.

The first 2004 chapter volunteer planning meeting was held at Brio Mediterranean Restaurant on March 4. Thank you to chapter leader **Bill Prentice '99** for his leadership.

Upcoming events

Saturday, April 24: House tour. Alumni and guests will join the Buffalo Chapter for an exciting day of touring the Frank Lloyd Wright Homes in Buffalo. Stay tuned to the Web site for more information on this activity.

Thursday, May 20: Chapter meeting and tour, Gordon Field House and Activities Center. Stay posted on this event online and through the Office of Alumni Relations.

June 26: *The Producers*, Toronto: Tickets to see the Broadway hit in Toronto are selling fast. Be sure to contact the Office of Alumni Relations to reserve your ticket(s)! For \$129 you can enjoy roundtrip transportation to Toronto, dinner at a restaurant overlooking Niagara Falls and the performance. Thank you to alumni host **Shirley Murphy '95** for her assistance with this event.

Seattle

Upcoming event

July 31: Museum tour and reception. Join fellow alumni and friends at the Museum of Flight. You also will have the opportunity to discuss ideas for future events. A special thank you to **Michael Woods '92** for help in planning this event.

South Florida

Thank you to chapter leader **Jamie Aymerich '93, '98** for organizing a series of events in the South Florida area. In December alumni gathered for a networking night and in March alumni watched the Panthers take on the Buffalo Sabers.

Upcoming event

Sunday, May 2: "Rochester" theme picnic. Join fellow alumni at Topeekeegee Yugnee Park in Hollywood, Fla.

Syracuse

The Syracuse Alumni chapter watched the SU football team take on Notre Dame. Additionally, alumni, parents and friends watched the SU basketball team take on Connecticut March 7. This event, attended by Syracuse and Rochester chapters, sold out! Both events included a pre-game reception at the Sheraton Hotel. A special thank you to chapter leader **Cynthia Weller '98, '99**.

Upcoming event

Saturday, May 2: Cruise. Alumni will meet in Skaneateles for their second annual cruise. This year, alumni will enjoy a lunch cruise on Skaneateles Lake. The cost is \$20 per person.

Washington, D.C.

Chapter leader **Vicki Decker '93** held a chapter meeting on Nov. 18 at Clyde's of Tysons Corner. Alumni networked and socialized while discussing events for the upcoming year.

Alumni and guests enjoyed a private evening tour of Mount Vernon followed by a dinner reception at the Mount Vernon Inn on Dec. 20.

Tickets to see the Capitals play the Sabres on March 10 were offered to alumni at a special price.

Class Notes

Key to abbreviations

CAST	College of Applied Science and Technology
CCE	College of Continuing Education
CIAS	College of Imaging Arts and Sciences
COLA	College of Liberal Arts
COB	College of Business
KGCOE	Kate Gleason College of Engineering
COS	College of Science
FAA	Fine and Applied Arts
GAP	Graphic Arts and Photography
GCCIS	B. Thomas Golisano College of Computing and Information Sciences
NTID	National Technical Institute for the Deaf

1953 reunion 2008

Dorothy Doyle '53 (FAA) is a clerical assistant for the USDA Forest Service-Sopris Ranger Stations, Carbondale, Colo.

1956 reunion 2006

Louise Williams Koenig '56 (COB) has retired from Cattaraugus/Wyoming County (N.Y.) Project Head Start after 35 years.

1958 reunion 2008

Gary Lefkowitz '58 (GAP) is president and CEO for Financial Benefits Inc., Congers, N.Y.

1964 40th Reunion-2004

Philip Brady '64 (GAP) is director of the Advanced Hypnosis Center, Little Deer Isle, Mich.

1966 reunion 2006

Eugene Behage '66 (COB) is president of Gene BeHage Consulting LTD., Beverly Shores, Ind.

Hall Cristman '64, '66 (GAP), is a senior quality engineer for Roper Scientific, Tucson, Ariz.

Bronwyn Jones O'Connor '66 (COB) is a para professional for Pinto, Mucenski & Watson, Potsdam, N.Y.

1967 reunion 2007

Ralph Atkins '67 (GAP) is president of Atkins Printing Service, Waterville, Me.

1969 35th Reunion-2004

James Wise '69 (GAP) is president of Wise International Inc., Richland, Mich.

1971 reunion 2006

Edward Breitung '71 (KGCOE) is a staff engineer for Honeywell-Hobbs Corp., Springfield, Ill.

John Daughtry '71 (GAP) is president and photographer for LOF Productions Inc., Charlotte, N.C.

Robert Hilferding '71 (GAP) is an office manager for Shirts & Caps Inc., Zephyr Hills, Fla.

Randolph Lyon '71 (GAP) is a licensed real estate consultant for Keller Williams Realty Lakewood Ranch, Sarasota, Fla.

1972 reunion 2007

John MacLeod '72 (GAP) is an account executive for Panasonic, Cypress, Calif.

Ronald Trinca, '72 (GAP) is a commercial photographer and owner of Ron Trinca Photography, Liverpool, N.Y.

1973 reunion 2008

Richard Balsam '73 (COB) is an intermediate teacher for Bucks County Intermediate Unit #22, Doylestown, Pa.

Neil Citron '73 (GAP) is an estimator for Diamond Packaging, Rochester.

Paul Jakins '71, '73 (KGCOE) is a senior staff engineer for Lockheed Martin Corp., Fort Worth, Texas.

Ernest Lofton '73 (COB) is a client financial analyst for Citibank, Rochester.

1974 30th Reunion-2004

Robert Bergey '74 (GAP) is a motorcoach operator for Hagey Coach Inc, Franconia, Pa.

Ronald Broida '74 (FAA) is an architectural graphics designer for DeWolff Partnership, Rochester.

Michael Kahn '74 (COB) is a project manager for Media General Inc., Richmond, Va.

1975 reunion 2005

George Heron '75 (KGCOE) is chief technical officer for SafeNet Inc., Baltimore, Md.

George Kononenko '75 (CAST) is a senior electro-mechanical engineer for Black & Decker Corp., Towson, Md.

Allan Snyder '75 (GAP) is president of Glen Hill Graphics, Glendale Heights, Ill.

1976 reunion 2006

James Bruner '76 (COLA) is an account executive for Wausau Insurance Company, Elmira, N.Y.

John Chelus '76 (CAST) is a utilities engineer for Arizona Corporation Commission, Phoenix, Ariz.

Timothy Craig '76 (GAP) is a folding carton designer for Cardinal Health, Pennsauken, N.J.

Susan Garnsey Hillyard '76 (COS) is a medical technologist for Fletcher Allen Health Care, Burlington, Vt.

James Silverman '76 (COB) is owner, accountant and auditor for James B. Silverman, CPA, Rochester.

Harry Woosley SVP '76, '82 (COLA) is director of the Deaf AIDS Project for the Family Services Foundation, Baltimore, Md.

1977 reunion 2007

Robert Dwier SVP '77, '81 (NTID), '87 (CAST) is a computer specialist for U.S. Geological Survey, Reston, Va.

Deborah Voisin Erb '77 (COS) is manager of clinical and research operations for University Nuclear Medicine Inc., Buffalo, N.Y.

Max Rupert '77 (KGCOE) is manager of North American sales for Edwards Manufacturing, Milwaukee, Ore.

John Stanton SVP '77, '80 (NTID) is a principal architect for Stanton Architects Inc., Crest Hill, Ill.

Donald Stein '77 (CAST) is a systems analyst for Eastman Kodak Company, Rochester.

William Wilson '77 (CCE) has been appointed to director of streets for the City of Lynchburg, Va. He is also a professional engineer and holds a master's degree from Lynchburg College.

1978 reunion 2008

Donald Cornwell '78 (COB) is vice president of finance for Pfauder Inc., Rochester.

Stephen Graff '78 (GAP) is a product applications specialist for Lastra America Corp., Jacksonville, Texas.

Robert Meyers '75 (COB), '78 (CAST) is vice president of marketing for major accounts at Xerox Corp., Rochester.

Wayne Oliver '78 (GAP) is vice president of engineering for Advo Inc., Windsor, Conn.

Bryan Petersen '78 (FAA) is director of consumer graphics for Johnson & Johnson Inc., Skillman, N.J.

Michael Piersante '78 (CAST) is director of business development for BAE Systems, Arlington, Va.

Robin Reese '78 (CAST) is a digital image science specialist for Eastman Kodak Company, Rochester.

Edward Regan '78 (COB) is a Web designer for Empire Medicare Services, Syracuse, N.Y.

Gregory Tetrault '78 (COS) is director of clinical pathology for Veterans Administration Medical Center at Memphis, Collierville, Tenn.

1979 25th Reunion-2004

James Bartoo '79 (CAST) is a senior system analyst for New York Power Authority, Marcy, N.Y.

Dale Bleier '79 (CAST) is a senior systems integrator for IBM Corp., Windsor, Conn.

Judy Daniels '78 (GAP), '79 (CAST) is a special projects manager for St. Christopher's Hospital for Children, Philadelphia, Pa.

Peter Ewen '79, '79 (COB) is northeast regional manager for Olympus Corp., Melville, N.Y.

Debra Hartzfeld Hogan '79 (CAST) is a worldwide strategic business manager for Eastman Kodak Company, Rochester.

Craig Spiegle '77, '79 (GAP) is president of Age Light Management Consultancy, Clyde Hill, Wash.

1980 reunion 2005

Robert Hamilton '78 (CCE), '80 (CAST) is a strategy and production technology manager for Xerox Corp., Webster, N.Y.

David Hoge SVP '80, '84 (NTID) is a compliance specialist for Standard Federal Bank, Troy, Mich.

Michael McEntee '80 (KGCOE) is a senior mechanical engineer for Eastman Kodak Company, Rochester.

Leanne McIntire '79, '80 (GAP) is a station general manager for Sarasota School System, Sarasota, Fla.

Thomas Patti '78, '80 (GAP) is director of operations for Book-Mart Press, a Division of Courier Corp., North Bergen, N.J.

Richard Pokon '66 (KGCOE), '80 (CCE) is a master black belt for Motorola Inc., Seguin, Texas.

David Smith '80 (CAST) is a quality manager for ABB Inc., Rochester.

1981 reunion 2006

Donald Campbell '81 (KGCOE) is a senior quality assurance engineer for Transnuclear Inc., Fremont, Calif.

Alum pursues goal in air and sea

When Sheryl Jones Suescun Brakey '69 (biology) was a kid growing up on a dairy farm in Holland Patent, N.Y., she made a list of things she wanted to do in her life.



Sheryl Jones Suescun Brakey '69

"I wanted to learn to fly a plane, parachute jump, scuba dive and ride a horse really well," she says. "Well, I guess I still don't ride very well."

To say she realized her childhood dreams would be a colossal understatement. Brakey has managed to turn adventure

into a lifestyle. It's quite a story.

She began her studies at RIT as a medical technology major. She married in 1967, changed her major to biology and had a baby by the time she graduated. She lived in South America for a time, had another child, returned to the states, was chief medical technologist at a major hospital in Dallas and then became a medical supplies salesperson.

Meanwhile, she learned to fly. She loved it but couldn't afford it. Then her instructor suggested she participate in a competition for women that judged overall proficiency. She won. The resulting publicity caught the attention of Texas Instruments, which was promoting a calculator that could be used for navigation. The company asked her to use the device in another race. She won.

By 1976, after more success in the air, Brakey was named most proficient pilot in the country. "That really opened some doors for me in aviation."

Brakey went to work for the marketing division of Alcor, a San

Antonio company that makes aircraft instruments, then became the first woman sales representative for Narco Avionics. Ultimately, she became a rep for Bell Helicopters, selling and flying helicopters that started at \$1 million. In 1988 she was named salesman of the year.

In 1989, feeling "really burned out," she moved back to San Antonio and took a job as vice president of marketing for a small computer company. When the company closed, she joined Mooney Aircraft Corp. as director of marketing. Meanwhile, Brakey earned an MBA at Our Lady of the Lake University in San Antonio, and later, a master's degree in international relations from St. Mary's University in San Antonio.

Her son introduced her to scuba diving and she took to the water with the same zeal that launched her as a pilot. On her second date with Bob Brakey, she took him for an introductory dive. He liked it, she liked him and they married in 1991. The senior vice president for a large insurance company, Bob, then 53, was planning to retire in two years.

"In the meantime, I met a Peace Corps recruiter," Sheryl says. "I came home and said, 'Honey, you know how you said you wanted to travel and get someone else to pay for it?'"

When Bob retired, the couple signed up and spent two years in Chile, helping mom and pop businesses. The Peace Corps experience allowed them to see most of South America. Since then, there's been more travel, including many diving expeditions.

And once again, Brakey's pastime has evolved into a business. She started making underwater videos and entering them in contests. She started winning, including first place in the 2001 International Underwater Malaysia and the 2002 Beneath the Sea Dive and Travel Exposition competitions. In 2003, Acquario Civico in Milan, Italy, gave Brakey a special award for her video "Once Upon a Time."

Two years ago, she formed SJB Productions (www.sjbproductions.com) to market her growing selection of dive and travel videos. The Brakeys have visited 63 countries since 1991 and still haven't slaked their wanderlust. Trips planned for 2004 include Australia to film underwater the leafy sea dragon in mating season, and South Africa and Botswana.

"I think I've always been an adventurer," says Brakey. "It's a desire to learn about the world and share it with others. My kids are used to this, and now my husband is my greatest supporter. The conservative insurance man has become an adventurer, too."

Douglas Cohen '78, '81 (CAST) is director of advanced technical consultants for Hitachi Data Systems, Denver, Colo.

Dale Dangremond '81 (COLA) is president of Dangremond Consulting, LLC, Bethesda, Md.

James Freimuth '81 (CAST) is an entrepreneurial research freelancer for The JLMars Enterprise, Mars, Pa.

Robert Lucisano '81 (COB) is president of Lucisano Insurance Agency, Syracuse, N.Y.

Ellen Lawrence Moser '81 (CAST) is chief executive officer for Paradiddle Inc., Redwood City, Calif.

Marc Olgin '79, '81 (COB) is president of Liberty Iron & Metal Co. Inc., Erie, Pa.

Terrence Ryan '81 (COLA) is a senior security specialist for UTD Inc., Springfield, Va.

Terrance Schommer SVP '81, '85 (NTID) is a teacher for the deaf at Highland Park Senior High School, St. Paul, Minn.

Peter Walczak '81 (GAP) is a technical sales manager of large newspaper presses for Heidelberg

Web Systems, Dover, N.H. He was awarded a patent for a "Support Device for a Printing Sleeve." He also holds patents in the areas of printing press design, sleeve blanket cleaning and multi-color/process ink delivery.

1982 reunion 2007

Peter Morales '82 (KGCOE) is director and department head of software process for SIAC, New York City.

William Post '80, '82 (GAP) is president and chief operating officer for Wilcox Press, Inc., Ithaca, N.Y.

Patricia Schultz Thomas '80, '82 (GAP) is a quality manager for Cadmus, Charlotte, N.C.

James Wacenske '82 (COB) is manager of pensions and investments for Energy East Management Corp., New Gloucester, Me.

Harry Williams '82 (COB) is vice president of license partner relationships for Xerox Corp., Rochester.

1983 reunion 2008

Craig Charles '83 (COB) is a technology manager for Global Crossing, Pittsford, N.Y.

Thomas Courtney '80, '83 (KGCOE) is a systems and software engineer manager for QED Technologies, Rochester.

Andrea Durham '83 (CAST) is manager of exhibit projects for Boston Museum of Science.

Michael Kane SVP '83, '88 (COB) and Erin F. Murphy were married on Nov. 15, 2003, in Kensington, Md. They reside in Sioux Falls, S.D.

Cheryl Kowalik '83 (CAST) is a senior project manager for Frontier Corp., Rochester.

Thomas Lachcik '83 (CAST) is a senior project manager for Malcolm Pirnie Engineers, Detroit, Mich.

Allen Noguee '83 (CAST) is a principal analyst for In-Stat/MDR Scottsdale, Ariz.

Michael Pilson SVP '83, '88 (NTID), '91 (CAST) is a technical service engineer for Photocircuits, Inc., Glen Cove, N.Y.

David Porter '81, '83 (KGCOE) is a mechanical engineering department head for Sear Brown, Rochester.

Paul Sacco '83 (GAP) is an editor and digital compositor for WXIA-TV, Atlanta, Ga.

Timothy Varano '81, '83 (COB) is a materials manager for Syncro Corp., Arab, Ala.

Linda Wiener '83 (COB) is a practice administrator for Park West Women's Health, Rochester.

1984 *20th Reunion-2004*

Christopher Cummings '84 (COLA) is a police captain for the Metropolitan Police Department, Washington, D.C.

Gregory Fiorito '82, '84 (GAP) is a group production director for Gannett Wisconsin Newspapers, Appleton, Wisc.

Beth Lyons '82, '84 (GAP) is a self employed fine art photographer in Honeoye, N.Y.

Bruce Martha '84 (KGCOE) is a mechanical engineer for P.C.B. Piezotronics Inc., Depew, N.Y.

Bryant McLaughlin '84 (KGCOE) is a corporate engineering manager for R.E. Phelon, Aiken, S.C.

Julie Moy '84, '84 (FAA) is a development specialist for Rutgers University, New Brunswick, N.J.

Scott Strong '82, '84 (COB) is an accounting supervisor for MWI Inc., Rochester.

Bruce Tracy '84 (KGCOE) is a self employed consultant and investment consultant in Boise, Idaho.

T.I. Weintraub '82, '84 (GAP) is director of business development for Colorado operations at ManTech International Corp., Colorado Springs, Colo.

Mark Zimmer '84 (GAP) is a plant manager for Banta Publications Group-Kansas City, Liberty, Mo.

1985 reunion 2005

Mee Eng-Naturale SVP '85, '90 (NTID), '94 (COB) is an advisor for the Metropolitan Asian Deaf Association. She also received an honoree award from the Deaf Women United of Greater New York and Port Liberty at the New York Society for the Deaf International Deaf Women's Day celebration.

Darry Johnson '83, '85 (GAP) is a lieutenant colonel in the U.S. Army, Orlando, Fla.

Richard Lukowicz SVP '85, '90 (NTID) and wife, Kristie, welcomed a daughter, Adalyn Kara on Sept. 5, 2003. She joins big brother Jared who is 2 years old. Richard is a software engineer for Gates Corp., Denver, Colo.

Joseph Monachino '85 (CAST) is a senior sales manager for Sara Lee Foods, Webster, N.Y.

Robert Rizzo '85 (CAST) is director of investment research technology for Citigroup Asset Management, Stamford, Conn.

Luke Smith '85 (KGCOE) is a staff research engineer for Lockheed Martin-Missles and Fire Control, Orlando, Fla.

Keith St. Pierre '85 (CAST) is a senior mechanical engineer for Raytheon Co., Sudbury, Mass.

Michael Wallace '85 (COS) is vice president of managing sales, marketing, production, training, support, and administration for VersaTrans Solutions Inc., Latham, N.Y.

1986 reunion 2006

Adam Cooper '85, '86 (GAP) is chief medical photographer for North Shore-Long Island Jewish Health Systems, Great Neck, N.Y.

Carl Dickinson '86 (COB) is an associate registrar for the University of Rochester.

Nicholas Levay '86 (GAP) is an information management specialist for Capital One, Glen Allen, Va.

John McFarland '86 (COB) is a district manager for Hubbell Inc, El Dorado Hills, Calif.

Gary Muto '86 (KGCOE) is a team leader for Delphi, Flint, Mich.

David Odle '86 (KGCOE) is a device engineering section manager for Motorola Inc., Chandler, Ariz.

Maria Riggio '86 (GAP) is a deal management associate for R.R. Donnelley & Sons Co., New York City.

Marc Sessler '86 (CAST) is director of business development for Ryan Group, Edison, N.J.

Brian Stewart '86 (KGCOE) is director of software development for Oracle Corp., Belmont, Calif.

Robert Thien '86 (GAP) is owner and commercial photographer for Robert Thien Photography, Atlanta, Ga.

Michael Westfort SVP '86, '92 (GAP) is an assistant director of digital services for Dickinson College, Carlisle, Pa.

Barry Wolff '86 (KGCOE) is a consulting systems engineer for Network Appliance, New York City.

1987 reunion 2007

Joseph Armstrong '87 (CAST) is an architect for Fujitsu Siemens Computers Inc. Milpitas, Calif.

Steven Bonadio '87 (CAST) is senior product development engineer for Analog Devices Inc., Wilmington, Mass.

Renee Reagan Booths '87 (FAA) is a product designer for Conso International, Union, S.C.

Charles Detruitt '85, '87 (GAP) is a digital services manager for Cadmus Speciality Publications, Richmond, Va.

Robert Firestein '86, '87 (GAP) is vice president of Svec/Conway Printing Inc., Silver Spring, Md.

David Good SVP '87, '91 (NTID) and **Heidi Clemmey Good SVP '89, '96 (COLA)**, welcomed a son, Romeo, on Sept. 13, 2003. He joins 2-year-old brother Lancelot. David is an accountant and Heidi is a clinical social worker for South Shore Mental Health, Quincy, Mass.

Christopher Martin '87 (CAST) is a senior project engineer for Corneles Engineering P.C., Rochester.

Michelle Johnston Osterhout SVP '87, '93 (FAA) and husband, Dan, welcomed a daughter, Danelle Brooke, on Jan. 29, 2003. She joins big brothers Hunter, Hawke and River. They live in Goodrich, Mich.

David Smith '87 (KGCOE) is a partner with Accenture, Hartford, Conn.

Paul Welch '87 (COS) is director of brand development for the Brand Institute, Raleigh, N.C.

Christopher Zastawny '87 (COS) and wife, Nancy, welcomed a daughter, Juliana, on April 15, 2003. They live in Spencerport, N.Y.

1988 reunion 2008

Michael Bardello '88 (KGCOE) is a corporate network manager for IQ Financial Systems Inc., New York City.

Louis Caplan SVP '88, '90, '94 (COS) is a computer specialist for Defense Information Systems Agency, Falls Church, Va.

Vanessa Roberts Caretto '88 (FAA) is an occupational therapist for the Metro Health Center, Shaker Heights, Ohio.

Crowell Chambers '88 (CAST) is the chief information officer for Lexmark International Inc., Lexington, Ky.

Curtis Combar '88 (CAST) is director of application development for Inovant, Portland, Me.

Jill Bryant Ericksen SVP '88, '92 (NTID) works in the pre-press area for the *San Francisco Chronicle*. She married Tom Ericksen in 2002 and they reside in Walnut Creek, Calif.

Timothy Gresh '88 (FAA) is president of TFG Associates, Burlington, Conn.

Doreen Djavaheri Keville '86, '88 (COB) is manager of merchandise operations for TJX Companies Inc., Framingham, Mass.

Leo Linehan '88 (COS) is director of research and development for Rohm and Haas Microelectronic Technologies, Marlborough, Mass.

James Mannion '88 (KGCOE) is a regional manager for Emerson Process Management, Rochester.

Charles Marsh '88 (FAA) is an art director for TOTO Multimedia, Brookfield, Wisc.

Carmine Spagnuolo '88 (GAP) is a senior account manager for Earth Color Inc. New York City.

Paul Szalach '88 (KGCOE) is a product manager for Delphi, Lockport, N.Y.

Gerald Tallinger '71 (FAA), '88 (COB) is vice president of marketing and sales for OEA International Inc., Morgan Hill, Calif.

Christopher Toumbaris '88 (CAST) is a controls engineer for Schneider Packaging Equipment Co., Brewerton, N.Y.

1989 *15th Reunion-2004*

Cynthia Aman '89 (COLA) is a consultant for Mouse Kids, Alpharetta, Ga.

Christa Carsello '89 (COB) is a regional human resources manager for Carrier Corp., Nashville, Tenn.



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Heidi Clemmey Good SVP '89, '96 (COLA) is a clinical social worker for South Shore Mental Health, Quincy, Mass.

Tory Maloy '89 (COS) is a nuclear medicine technologist for Northwestern Memorial Hospital, Chicago.

Paul Maples '89 (GAP) is a self employed visual effects camera operator in the West Hills, Calif., area.

Robert Megnin '84, '89 (CAST) is director of marketing and sales for Hunter Mountain Resort, Hunter, N.Y.

Kelli Kingsley Mihalich '89 (CAST) and husband, **Joe Mihalich '91 (CAST)** welcomed a son, Thomas Marc, on Oct. 15, 2003. He joins 4-year-old brother, Joey. The Mihalich's reside in Las Flores, Calif.

Timothy O'Neil '89 (CAST) is a project director for Harcourt Assessment Inc., Malden, Mass.

Steven Plaskon '89 (KGCOE) is a senior principal design engineer for BAE Systems, Johnson City, N.Y.

Michael Roberts '89 (CAST) is manager of field services and operations for Columbia Gas Transmission Corp., Chester Springs, Pa.

Matthew Strong '89 (KGCOE) is a corporate account manager for Nec Electronic, Troy, Mich.

Vincent Wood SVP '89, '92 (COLA) is a self-employed information technology consultant, San Francisco, Calif.

1990 reunion 2005

Christopher Asselta, P.E. '90 (KGCOE) is a project manager for Walt Disney World, Lake Buena Vista, Fla.

Steven Baiera '90 (CAST) is a centre lead technologist for Electronic Data Systems, Rochester.

Gary Briggs '90 (CAST) is director of technology for Quinetix, Rochester.

Duane Dembroski '90 (CAST) is a packaging engineer for Pactiv Corp., Canandaigua, N.Y.

Anthony Onello '90 (KGCOE) is a partner/attorney for Mills & Onello LLP, Boston.

Peter Parker '90 (CAST) is a new business development manager for American Fuji Seal, Bardstown, Ky.

David Reichardt '90 (GAP) is a digital printing manager for Shamrock Printing, Marietta, Ga.

1991 reunion 2006

Melissa Adamo SVP '91, '95, '97 (COB) is an applications developer II for the University of Iowa, Iowa City, Iowa.

Daphne Demas '91 (GAP) is a medical photographer for the Memorial Sloan-Kettering Cancer Center, New York City.

Martin Galanti '91 (CAST) is director of operations for Savannah Dhu Resort and Conference Center, Clyde, N.Y.

Joseph Geiser '91 (COS) is a research scientist in the Department of Chemistry for the University of New Hampshire, Durham, N.H.

Tonja Moss '91 (COLA) is a principal consultant for The Urbanite Marketing Group, Riverdale, Ga.

Anthony Phillips '91 (GAP) is director of photography for Taunton Press, Newtown, Conn.

James Ramier '91, '92 (KGCOE) is a template manager for Integrated Management Systems Inc./General Motors, Warren, Mich.

Nicole Richardson '91 (COLA) is vice president for Chase Insurance Group, Inc., New York City.

Michelle Ruppert '91 (COLA) is a social worker for Silver Springs-Martin Luther School, Plymouth Meeting, Pa.

Brenda Rystephanuk-Giese SVP '91, '95 (COLA) is a social worker for Ramsey County Community Human Services, St. Paul, Minn.

Jeffrey Szczepanski '91 (KGCOE) is chief technical officer and founder of Inscitek Microsystems Inc. Fairport, N.Y.

John Townes '91 (GAP), is manager of marketing for Metropolitan Life Insurance, Liberty Corner, N.J.

1992 reunion 2007

Kevin Balachick '92 (CAST) is vice president of Binghamton Precast & Supply, Binghamton, N.Y.

Kirk Denny '92 (COB) is an accounting manager for GTE Federal Credit Union, Tampa, Fla.

Christine Miller Landers '92 (GAP) is owner and educational director for Computertots and Computer Explorers, Wappingers Falls, N.Y.

Anthony Laruffa '92 (CAST) is a manufacturing development engineer for Bausch & Lomb, Rochester.

Benjamin Lessig '92 (COS) is a family practitioner and geriatric physician for Geriatrics Service, PC, Yonkers, N.Y.

Jeffrey Newman '92 (COB) is a process consultant for ALLTEL, Little Rock, Ark.

Alberto Ramirez '92 (CAST) is a civil engineer for CMA Architects & Engineers L.L.P. San Juan, Puerto Rico.

Brian Rose '92 (GAP) is a senior visual designer for Apple Computer Inc., Cupertino, Calif.

Gideon Sober '92 (GAP) is a quality assurance manager for *New York Post*, Bronx, N.Y.

1993 reunion 2008

Todd Benatovich '93 (COB) is manager of professional services for CompUSA, Dallas, Texas.

Scott Cash '93 (COB) and wife, Valerie, welcomed a daughter, Dyllan Samantha, on Jan. 8, 2004. He is an information technology integrator for Sears, Roebuck and Co., Hoffman Estates, Ill.

David Finkelstein '93 (GAP) is owner, president and chief executive officer for Laser Rave LLC, Coral Springs, Fla.

Dana Hollie '93 (COB) is an associate professor in the C.T. Bauer College of Business at the University of Houston.

Richard Kehl '93 (COB) is director of finance for the International Resources Group, Washington, D.C.

Tammy Kosarek '93 (CAST) is group leader of packaging development for Perseco, Downers Grove, Ill.

Debra Lavey '81 (CCE), '93 (KGCOE) is a project electrical engineer for Bergmann Associates, Rochester.

Charles Magill '93 (KGCOE) is a program manager for General Electric-Wind Energy, Schenectady, N.Y.

Elyssia Mathias '93 (FAA) is a project manager and senior medical illustrator for Anatomical Justice, LLC, Nazareth Pa.

Heinrich Sander '93 (CAST) is a civil engineer for the Delaware County Department of Public Works, Delhi, N.Y.

James Sculley '93 (KGCOE) is a project engineer for Welding Services Inc., Norcross, Ga.

Yuichi Takei '93 (COB) is head of operational risk for Asia Pacific at the Royal Bank of Scotland, Tokyo, Japan.

Mark Zolty '93 (GAP) is president of RPC Bramlage/Wiko-USA, Exton, Pa.

1994 10th Reunion

Robert Brackett '94 (CAST) is a test engineer for High Speed Check Weigher, Ithaca, N.Y.

Paul Branca '94 (CIAS) is a courier for FedEx Express, Maspeth, N.Y.

Susan Callahan '94 (COB) is a technical consultant for SCT, Rochester.

Patrick Canavan '94 (COB) is a senior consultant for Bluff Head Enterprises, Wakefield, R.I.

Mark Casilio '94 (CAST) is an electro-optical product engineer for Eastman Kodak Company, Rochester.

Grads are back in different schools together

Go McQuaid! Go Aquinas!

Attend a basketball or football game between McQuaid Jesuit and Aquinas Institute and you can see the legendary rivalry between these two Rochester-area Catholic high schools.

The competitiveness is historic: McQuaid is a 50-year old, all-male prep-school founded by the Jesuits; Aquinas is a 100-year old, former Basilian-run institution that became co-ed in 1982.

Differences turn into similarities when you consider the presidents of each school: James Whelehan of McQuaid and Michael

Daley of Aquinas, who were appointed to their posts last year within two months of each other. Whelehan received an MBA from RIT's College of Business in 1985; Daley received the same degree in 1990. Both grew up in the area and worked in the telecommunications industry. Both love to play golf.

"Ultimately, we were hired because what our schools need most are leaders with real-world perspective, business people who can raise money and support for our Christian values and educational mission," says Daley, who lives in the Rochester suburb of Greece with his wife and three children. Daley is currently involved in two separate \$5 million revitalization projects for Aquinas, including a fine arts center and athletic complex.

Although he grew up in shadow of Aquinas, Whelehan believes the rivalry between the two schools is overplayed. "It's simply a matter of letting the best team

win," says the president, who lives in suburban Perinton.

Daley and Whelehan even the score when it comes to their regard for RIT's graduate business program. They agree it was rigorous but very applicable to real life.

"I can still remember Dr. Jeffrey Lessard and what we called his Lessardian Theory of Economics: that people are lazy, that people are ignorant and that people are greedy," quips Daley with a laugh. "Maybe that's why I decided to leave industry and give something back to the community."

Whelehan agrees: "In business, I was



James Whelehan '85 and Michael Daley '90 have much in common besides their RIT degrees.

working 100 miles an hour and traveling all the time. I have seven children and it was hard to be there for them; I was missing out on their lives.

"Although my kids still don't let me help them with their homework, I know what it takes to be president of McQuaid. It's something I learned at RIT – how to be good at making more out of less."

Michele Conklin '94 (CAST) is a regional sales manager for Fresh Express, St. Petersburg, Fla.

Michael Diehl '94 (COLA) is a police officer for the City of Rochester.

Tracie Stecyk Griffin '94 (CAST) is a senior designer for Packaging Corporation of America, Liverpool, N.Y.

Murli Iyer '94 (COB) is a global development manager for SAE International, Warrendale, Pa.

Nathan King '94 (COB) is an global account manager for Computer Sciences Corp., Waltham, Mass.

Abigail Linsner '94 (COB) is a sales representative for Nellie Mae, Geneva, N.Y.

Nicole Lowry '94 (COB), '98 (CAST) is a program manager for Accenture, New York City.

Lisa Marino '94 (COB) is an assistant controller for Simmons Rockwell Inc., Hornell, N.Y.

Michael Mogilski '94 (COB) is president of M & M Home Services, LLC, Tucker, Ga.

Patricia Carney Roth '94 (COS) is a biologist for the National Cancer Institute, Frederick, Md.

Adrianna Smart SVP '94, '98 (COLA), '03 (COB) is a product marketing specialist for MCI, Ashburn, Va.

Suzanne Baker Sousa '94 (CCE) is an academic advisor for Bryant & Stratton College, Rochester.

Adam Stein '86, '88, '94 (CAST) is a software designer and developer for Xerox Corp., Webster, N.Y.

Amy Swan '93 (FAA), '94 (CIAS) and Marty Hergert were married on Aug. 31, 2003 in Somerville, Mass. She is art director of special projects for *The Atlantic Monthly*, Boston, Mass.

Jacqueline Toner '94 (COS) is a scientist II for Johnson & Johnson Diagnostic, Rochester.

1995 reunion 2005

Ann Adams '95 (CAST) is a lead generation engineer for The Sutherland Group, Rochester.

Morad Askar '95 (CAST) is chief executive officer for Abundantia, LLC, Chicago, Ill.

Daniel Binder SVP '95, '99 (COLA) is a psychologist for the Elementary Department at the Florida School for the Deaf & Blind, St. Augustine, Fla.

Michael Carney '93, '95 (KGCOE) and wife, Jennifer, welcomed a daughter, Hannah Marie, on Jan. 14, 2004.

Kerry Cater '95 (COLA) is an executive assistant to the board for Monroe Ambulance, Rochester.

Jenifer Fritz '95 (CAST) is an administrator for Roger St. Francis Healthcare, Charleston, S.C.

Stacy Harris '95 (CIAS) is a product development manager for Aurora World Inc., Compton, Calif.

Keith Hensel '95 (CIAS) is a senior art director for Modem Media, Norwalk, Conn.

Michael Paiko '95 (CAST) is a marketing manager for Wily Technology, Brisbane, Calif.

LaSonya Roberts '95 (COS) is an advanced pelvic surgery fellow for the Southeastern Gynecologic Oncology Group, Atlanta, Ga.

Julie Sinner SVP '95, '98 (NTID) is a typesetter for Wine Press Publishing, Enumclaw, Wash.

Lawrence Stucki '95 (KGCOE) is an electrical engineer for Xerox Corp., Webster, N.Y.

Julie Tibbitt SVP '95, '00 (COLA) is a conflicts analyst for Shaw Pittman LLP, Washington, D.C.

Christine Wojton '95 (CIAS) is creative director of publishing for JCY Publishing, LLC, Ponte Vedra Beach, Fla.

1996 reunion 2006

Selene Alverio SVP '96, '02 (COLA) is a counselor working with deaf adolescents at a mental health agency in New Mexico. She is attending the University of New Mexico to earn a master's degree in counseling and hopes to graduate by spring 2005.

Thomas Flynn '96 (KGCOE) is a senior process engineer for Intel Corp., Hillsboro, Or.

Randi Gilman-Snell '96 (CAST) is an office manager for the Association for Better Living, Syracuse, N.Y.

Jonathan Gippe '96 (CAST) is a senior telecom engineer for PPL Telcom, LLC, Allentown, Pa.

Jason Hillman '96 (COS) is a technical support specialist for corporate accounts at Bayer Healthcare, Diagnostics Division, Cicero, N.Y.

Gregory Kehn '96 (CAST) is a project engineer for Foit-Albert Associates, P.C., Albany, N.Y.

Donald Miller '96 (CAST) is a project manager for Holder Construction Co., Atlanta, Ga.

Steve Moose '95, '96 (CIAS) is a visual media services manager for Paetec Communications, Rochester.

Chong Ni '96 (CAST) is a software engineer for Informatica Corp., Redwood City, Calif.

Anthony Pisarenkov '96 (CAST) is a software engineer for the Bureau of National Affairs Inc., Washington, D.C.

Antony Rozwadowski '96 (CIAS) and wife, **Kelly Cummins Rozwadowski '94, '96 (CIAS)** welcomed a son, Cole Henson, on Oct. 16, 2003. They live in Centerville, Va.

Abe Steed '96 (CCE) is an information technology specialist for CPS Human Resources Services, Atlanta, Ga.

Aimee Yllanes '96 (CIAS) is director of publications for Ranson Everglades School, Coconut Grove, Fla.

Aimee Zakrewski '96 (COLA) is a psychotherapist for First Avenue Counseling Centre, San Diego, Calif.

1997 reunion 2007

Kyle Bates '97 (CIAS) is a paramedic instructor for Eastern Maine Community College, Bangor, Me.

Carly Wilson Carozza '97 (COS) is a biotechnologist for American Red Cross, Philadelphia, Pa.

Debra France '97 (CAST) is director of training and development for Barnes & Nobles, New York City.

Hope Gates '97 (CAST) is an assistant store manager for Wegmans Food Markets, Woodbridge, N.J.

Darcy Hall '97 (COS) is a sonographer for Memorial Hospital, Colorado Springs, Colo.

Heather Emerson Jeremy '97 (COB) is a penalty abatement center control support representative for Paychex Inc., Henrietta, N.Y.

Richard Kiesel '97 (CIAS) is a production manager for Home Trends Catalog, Rochester.

Robert Kinkaid '97 (CIAS) is a senior production coordinator for MIT Press, Cambridge, Mass.

Rebecca Lathrop '97 (CAST) is an instructional designer for Element K, Rochester.

Shawn McCann '97 (COB) is a senior technical consultant for SCT, Rochester.

Jay Metcalf '97 (KGCOE) is a product engineer for Mokon, Buffalo, N.Y.

Seon-Hwa Park '97 (CIAS) is a self-employed commercial photographer in Seoul, Korea.

Judy Read '96, '97 (CAST) is director of sales for Candlewood Suites, Nanuet, N.Y.

William Rhodes '88 (KGCOE), '97 (COS) is a senior research engineer for DuPont & Co., Wilmington, Del.

Michael Sivigny '97 (CAST) is owner of Eagle-Eyed One Sales and Services, Hudson, N.H.

Aaron Wray '97 (COB) is a senior merger and acquisitions analyst for Tyco International, Boca Raton, Fla.

1998 reunion 2008

Thomas Alferink '98 (CAST) is an embedded systems engineer for John Deere, Waterloo, Iowa.

Brian Battaglia '97, '98 (KGCOE) is a RF applications engineer for Motorola, Phoenix, Ariz.

Mong Chin '98 (KGCOE) and Edward Heine were married on Nov. 2, 2003. They reside in Mt. Airy, Md.

Adrian Gottlieb '98 (CIAS) is an independent painter, portraitist and instructor for the Los Angeles Academy of Figurative Art, Van Nuys, Calif.

Otto Lam '98 (COB) is a technical architect for American Management Association, New York City.

Christy Lomonaco '98 (COLA) is a detective with the Special Operations Unit of the Largo (Fla.) Police Department.

David Moszak '98 (CAST) is a packaging engineer for McNeil Consumer & Specialty Pharmaceuticals, Fort Washington, Pa.

Kathryn Nifong '98 (CIAS) is a writing systems engineer for Hewlett Packard, San Diego, Calif.

Jason Ramaizel '98 (CAST) is a licensed realtor and mortgage broker for Exit Realty Advisors, Valrico, Fla.

Kenneth Speich '98 (CAST) is a programmer and analyst for Nextel, Herndon, Va.

Kimberly Sutz '98 (CAST) is a clinical dietitian for Menorah Park Center for Senior Living, Beachwood, Ohio.

William Toner '98 (KGCOE) is an associate design engineer for Atmel Corp., Columbia, Md.

Christine Tsangelias '98 (CIAS) is a designer and decorative painter for Allen Studios, Washington, D.C.

Michael Volo '98 (KGCOE) is an engineer for AXSUN Technologies, Billerica, Mass.

1999 5th Reunion-2004

Kory Ahlstrom '99 (COB) is a senior loan officer for Citywide Mortgage, Sterling, Va.

Danny Birnbaum '99 (CIAS) is a furniture maker for DB Fine Furniture & Design, Hackettstown, N.J.

William Brach SVP '99, '03 (NTID) is a senior PC technician for Washington Assessment & Therapy Services (WATS), Washington, D.C.

Shauna Bream '95 (CAST), '99 (CIAS) is an art director for Moon Bream Creations, Nantucket, Mass.

Christopher Caruso '99 (CIAS) is a six sigma black belt for R.R. Donnelley & Sons Co., Chicago, Ill.

Mariah Clark '99 (COB) is a financial analyst for The Ayco Co., L.P., Albany, N.Y.

Seth Fox '98, '99, '01, '03 (CAST) is a senior switch technician for Sprint PCS, Cheektowaga, N.Y.

Galo Fraga '99 (CIAS) is a production manager for Editora Americana, Quito, Ecuador.

Kristin Gadbois '99 (CAST) is a clinical nutrition specialist for Rochester General Hospital, Rochester.

Emmanuel Garcia '99 (KGCOE) is a RF engineer for Nextel Communications, Reston, Va.

Candace Gartland '95, '99 (CIAS)

is group leader of package development for Playtex Products Inc., Dover, Del.

Benjamin Garvin '99 (CIAS)

is a staff photographer for *The Star Tribune*, Minneapolis, Minn.

David Haas '99 (KGC OE) is an analog IC design engineer for Allegro Microsystems, Concord, N.H.

Carleigh Imfeld '99 (CIAS) is a real estate agent and mortgage broker for Sun-Max Realty, Ft. Lauderdale, Fla.

Brian Landry '99 (COS) is a physician's assistant for the University of Connecticut Health Center, Farmington, Conn.

Daniel Lane '99 (CIAS) is a clinical data coordinator for Georgetown University Hospital, Washington, D.C.

Jo Ann Mentus '96, '99 (CAST) is a training manager for Xerox Corp., Rochester.

Richard Oswald '99 (COB) is a supervising senior for Price Waterhouse Coopers LLP, Richmond, Va.

Edward Purell '98 (COS), '99 (COB) is an area business manager for Chiron Corp., Emeryville, Calif.

Mark Roth '99 (CAST) is a software engineer for Sun Microsystems Inc., Brooklyn, N.Y.

Susan Roth '99 (COB) is a business analyst for WebMD Medscape Health Network, New York City.

Lindsay Shaw '99 (CIAS) and **Adam Lehmann '00 (COB)** were married on June 28, 2003 in Pomfret, Ct. They reside in Hampton, Ct.

Samuel Tong '99 (KGC OE) is a development engineer for Stabilus, Gastonia, N.C.

Michael Wieland '99 (CAST) is a civil engineer for Dunn & Sgromo Engineers, East Syracuse, N.Y.

2000 reunion 2005

Su-Hwa Chang '00 (CIAS) is a project designer for Group Goetz Architects, Washington, D.C.

Elliott Clemmons '99, '00 (CAST) is a manufacturing systems software engineer for Eastman Kodak Company, Rochester.

Daniel Dalin '00 (COB) is an account manager for General Electric, Liverpool, N.Y.

Brian Farrell '00 (CAST) is a project engineer for Barrett Paving Materials Inc., Liverpool, N.Y.

Timothy Flannery '00 (CAST) is a laboratory engineer in the Laboratory for Laser Energetics at the University of Rochester.

Michael Gargiles '00 (COB) is district sales manager of Brooklyn, Queens and Bronx for DHL Express, New York City.

Scott Gentles '00 (CAST) is manager of architectural engineering for XO Communications, Edison, N.J.

Under the Florida sun

Millions of people go to Florida to play. Robert Roperti '66 (printing) and his wife, Mary-Dianne Roperti '65 (retail management) moved to the Sunshine State to work.

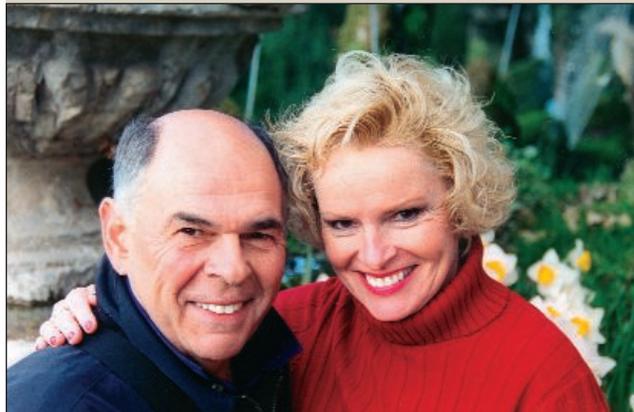
In 1988, Robert left DuPont after 22 years when the couple purchased Jiffy Reprographics, a printing business and property in Clearwater. The company, founded in 1960 as a blueprint business, flourished with the area's building boom. Robert says, "I remember needing some extra cash to buy the building and called Phi Sig fraternity brother Karl Rachfal '66 (printing) who provided the needed cash to buy the property."

Jiffy Reprographics is still going strong. Under Robert and Mary-Dianne's ownership, the company has grown significantly as a digital printing company and now has 25 employees. Customers include architects, engineers, builders, developers, ad agencies, law firms and government agencies around the country. About eight years ago, Robert

helped organize a network of digital printers in several states to share services. The group now includes 110 companies, allowing all to provide networking services for printing of construction plans to national accounts.

It's no wonder that Jiffy Reprographics won the Small Business of the Year award from the Clearwater Regional Chamber of Commerce. "We consider that a great honor," says Mary-Dianne. "We love where we live and work."

Jiffy Reprographics today offers a variety of services including design, layout and digital print-



Robert '66 and Mary-Dianne '65 Roperti

ing, digital data distribution and production of presentation and promotional graphics such as large-scale displays and trade show materials. Not long ago, for instance, they created a 74-foot mural for the showroom of a large Buick dealership. The original design and production earned recognition the Printing Association of Florida's Award of Excellence. "We provide the creative support as well as production," says Robert who attributes their success to the ability to apply new technology and to focus on the customer. "We work very hard at it," he says. The business also benefits from the blend of complementary skills the two owners possess, both say.

"Mary-Dianne brings a sensitivity I might not always have," says Robert, "but the fact of the matter is we agree on most subjects."

"The best thing about working together is having a partner to bounce ideas off of," says Mary-Dianne.

And it all started at RIT's old campus in downtown Rochester. "He used to sit in statistics class and watch me cross the street," says Mary-Dianne.

"I would say to myself, 'one of these days I'll get up enough courage to ask her out,' " says her husband.

The two have maintained a strong connection with their alma mater. Robert was named RIT's Outstanding Alumnus in 1981. They were instrumental in forming the Atlanta chapter before moving to Florida, and now are active in the Central Florida chapter.

"What's fun for me is to talk to some of the more recent grads," says Robert, "and find out about all the new programs at RIT."

Mary-Dianne, a native of Corning, N.Y., and Robert, who grew up Rochester, say Florida holds plenty of appeal – even for busy working people. "Our business is about two blocks from the Gulf of Mexico," says Robert. "On a clear day you really can see forever."

Thomas Haff '00 (KGCOE) is a statistical consultant for the Sigma Marketing Group Inc., Rochester.

Michael Heinecke '00 (CAST) is a supply engineer for Sun Microsystems Inc., Burlington, Mass.

Nathan Hughes '00 (KGCOE) is a firmware engineer for Hewlett Packard Co., Fort Collins, Colo.

Catherine Kleveta '00 (COLA) is a school psychologist for Charles County Public Schools, LaPlata, Md.

Elizabeth Kowaluk '00 (CIAS) is an account executive for Mt. Vernon Printing Co., Landover, Md.

Brian Krenzer '98, '00 (CIAS) is art director for Media Options Inc., Chicago.

Anita Holz Marciniak '00 (CAST) is a home care coordinator for Roper Saint Francis Health Care, Charlestown, S.C.

Danielle Mc Ilhenny '00 (CIAS) is a digital photographer for Three Cat and Dog Photography, Sellersville, Pa.

David Moser '00 (KGCOE) is an application engineer for the GM customer team at Umicore Autocat USA Inc., Auburn Hills, Mich.

Sandra Payne '98, '00 (CIAS) is a photography teacher for Northwood School, Lake Placid, N.Y.

Cory Pike '98, '00 (KGCOE) is a space lift range systems engineer for U.S. Air Force, El Segundo, Calif.

Jessica Salmon '00 (COS) is a physical scientist, remote sensing and GIS specialist for USDA Forest Service, Missoula Fire Sciences Lab, Missoula, Mont.

Carly Smith '00 (COLA) is a grant program specialist for the U.S. Department of Justice, Washington, D.C.

John Turner '00 (KGCOE) is a senior design engineer for Tundra Semiconductor Corp., South Portland, Me.

Virgil Young '00 (CAST) is a product data management business analyst for Intel Corp., Santa Clara, Calif.

2001 reunion 2006

Adam Burke '00 (COB), '01 (CAST) is an applications engineer for Vision Point Media Inc., Raleigh, N.C.

Amie Ciluffo '00, '01 (CIAS) is an art and photography teacher for Wellesley (Mass.) Middle School.

Amanda Claypoole '01 (CIAS) is a pre-press manager for Hasbro Inc., Pawtucket, R.I.

Joseph Corrigan '01 (GCCIS) is director of computing services for Mechanical Dynamics & Analysis, Latham, N.Y.

Donald Eddy '01 (CAST) is owner of Communicating Images & Monterey Publishing, Bellaire, Texas.

Peter Flynn '00, '01 (CIAS) is a pre-press operator and designer for The Lexington Press Inc., Lexington, Mass.

Amy Gagnon '01 (CAST) is a staff accountant for EF Education, Cambridge, Mass.

Eliot Harper '01 (CIAS) is a marketing manager for Fuji Xerox, Macquarie Park, Australia.

Matthew Hug '01 (COB) is a SAP systems administrator for Kellogg Co., Elmhurst, Ill.

Francis Jablonski '01 (KGCOE) is a project engineer for Dresser-Rand, Olean, N.Y.

Reagan Kelly '01 (COS) is a bioinformatics Ph.D. student at the University of Michigan, Ann Arbor, Mich.

Christina Kim '01 (CIAS) is a graphic designer for Ground Floor Graphics, Baltimore, Md.

Nicole Marousek '01 (CIAS) is a makeup coordinator for *Sports Illustrated*, New York City.

Jacquelyn Martin '00, '01 (CIAS) is a staff photojournalist for Birmingham (Ala.) *Post-Herald*.

Monique Mills '01 (CAST) is an application engineer for ABS Pumps, Sanford, Fla.

Bethany Perry '01 (CIAS) is a senior designer for Insight 180, Ellicott City, Md.

Brian Perry '01 (COS) is an engineer and scientist for Boeing Corp., Seal Beach, Calif.

Michelle Quinn '01 (CIAS) is a supply chain manager for R.R. Donnelley, Chicago, Ill.

Todd Rath '99, '01 (KGCOE) is a mechanical design engineer for Xerox Corp., Webster, N.Y.

Thomas Rohatsch '01 (CAST) is a controls engineer for Meikle Automation, Rochester.

Garrett Schmidt '01 (CIAS) is owner of Buffalo Wild Wings, Gilbert, Ariz.

Marla Schneider '01 (CAST) is an associate faculty and Web manager for Indiana University, Fort Wayne, Ind.

Andrew Warycka '01 (CIAS) is a self-employed photographer in Sioux Falls, S.D.

Janet Watson '01 (CAST) is a legal assistant for The Palmiere Law Firm, Rochester.

2002 reunion 2007

Wilfredo Alvarez '02 (COLA) is a full-time graduate student at Florida State University, Tallahassee, Fla.

Lois Anshus '02 (CIAS) is a self-employed photographer and photo assistant in Brooklyn, N.Y.

Nicholas Beers '02 (KGCOE) is a reliability engineer for Lockheed Martin Aeronautics Co., Fort Worth, Texas.

Mark Erlenmeyer '01 (CAST), '02 (CAST) is a senior architect for IBM Corp., Research Triangle Park, N.C.

Jessica Sanchez Garcia '02 (COLA) is executive assistant to president and chief executive officer for Rural Opportunities Inc., Rochester.

William Gilman '02 (COB) is vice president of North American sales for Optical Gaging Products Inc Rochester.

Holly Groff '02 (COS) is an investigator for the Illinois State Police, Springfield, Ill.

Chad Heitzenrater '02 (GCCIS) is a computer scientist for the Air Force Research Laboratory, Rome, N.Y.

Christine Holtz '02 (CIAS) is an assistant professor for the University of Wisconsin, Platteville, Wisc.

Lauren La Spina '02 (CAST) is an engineering and project manager for L'Oreal, New York City.

Michael Leonard '02 (CIAS) is a clinical technologist for the University of Rochester.

Michael Lorigo '02 (CAST) is a commercial real estate broker for Largo Real Estate Advisors, Amherst, N.Y.

Elizabeth Marchese '02 (CAST) is general manager for Moonshine Barbeque, Rochester.

Aaron Niziol '02 (CIAS) is an associate creative director for Think Communications Inc., Pittsburgh, Pa.

Marie Osypian '02 (GCCIS) is an assistant director of Internet development for Savingforcollege.com, Pittsford, N.Y.

Joseph Parise '02 (COB) is a financial advisor for Axa Advisors LLC, Raleigh, N.C.

Frederick Parker '02 (KGCOE) is an acoustic engineer for Electric Boat Corp., Groton, Conn.

Abigail Ramos '02 (KGCOE) is an electrical engineer for Motorola, Deer Park, Ill.

Mark Rozum '02 (GCCIS) is a lead Web developer for Nauticom Internet Services, Sewickley, Pa.

Charles Siedlecki '02 (COLA) is an infantry officer for U.S. Marine Corps, Kaiwa, Hawaii.

Stephanie Todero '02 (CIAS) is a designer for Crawford & Stearns, Syracuse, N.Y.

Yan-Li Van Den Berg '97, '98 (COB), '02 (GCCIS) is a staff assistant for Eastman Kodak Company, Rochester.

Daniel Xeller '02 (CIAS) is an assistant studio manager and photographer for Matthew Scott Photography Inc., Charleston, S.C.

2003 reunion 2008

Ryan Alisanski '03 (COB) is a financial analyst for Marsh, Syracuse, N.Y.

Ethan Bagley '03 (KGCOE) is a design and testing engineer for Composite Modules Inc., Attleboro, Mass.

Eric Barner '03 (COB) is a program analyst for IBM Corp., Southbur, Conn.

Peter Bella '03 (CIAS) is a communication specialist and graphic designer for the University of Missouri, Rolla, Mo.

Susann Carlo '03 (CIAS) is a production manager for EMR Systems Communications, New York City.

Cody Christopoulos '03 (CIAS) is a photo archivist for CNEWA, New York City.

Christopher Cikra '03 (CAST) is a news system specialist for Associated Press-Broadcast Technology, Washington, D.C.

Megan Condon '03 (CIAS) is an assistant photo editor for Bauer Publishing & First Magazine, Englewood Cliffs, N.J.

Lee De Wind '03 (CIAS) is an art director for Bush Communications, Rochester.

Nichole Di Lucia '03 (CIAS) is a sales representative for Automated Graphic Systems, White Plains, Md.

Scott Dunnington '03 (CAST) is a software engineer for Boeing, Seal Beach, Calif.

Scot Fernandez '99 (CIAS), '02, '03 (COS) is an imaging and color systems engineer for Hallmark Cards Inc, Kansas City, Mo.

Jason Plaisted '03 (GCCIS) is a computer application specialist for the City of Rochester.

David Scalzo '00, '03 (CAST) is a process engineer for Cinram Manufacturing, Olyphant, Pa.

Matthew Shepard '03 (KGCOE) is a manufacturing engineer for Photonics, Austin, Texas.

Christopher Shorthill '03 (GCCIS) is a systems analyst and engineering manager for Fairchild Semiconductor, Portland, Me.

David Smith '03 (COB) is vice president of Neopolitan Networks, Bradenton, Fla.

Daniel Spellman '99, '02, '03 (CAST) is director of systems engineering for Harper Collins Publishers, Scranton, Pa.

Wanda Strychalski '03 (COS) is a teaching assistant for the University of North Carolina, Chapel Hill, N.C.

Tyler White '03 (COB) is a management trainee for M&T Bank Corp., Buffalo, N.Y.

Cheryl Williams '96, '99, '03 (CAST) is a desktop support specialist services II for RIT.

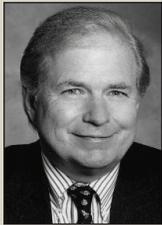
Benjamin Wright '03 (CIAS) is an imaging department manager and customer service manager for Acme Bookbinding, Charlestown, Mass.

RIT grads among first named to National Co-op Hall of Fame

Ten RIT alumni are among members of the new Co-op Hall of Fame established by the National Commission for Cooperative Education.

Founded in 2002, the NCCE Hall of Fame honors distinguished cooperative education graduates, spotlights co-op success stories, and increases student awareness of the opportunities available through co-op programs. Nominations are solicited from college and university presidents. Graduates of Drexel, Johnson & Wales, Northeastern, and Antioch College were among the earliest inductees.

The following RIT grads are among the 76 members of the NCCE Hall of Fame:



Buckingham

William A. Buckingham '64 (business), a 30-year veteran of the banking industry, has served as executive vice president of both M&T Bank and Manufacturers Hanover Trust Co. as well as CEO of several Manufacturers Hanover subsidiaries. He is a member and former chairman of the RIT Board of Trustees.

Terry Clapham '71 (electrical engineering), co-founder of VISX, Inc. The company developed the VISX STAR excimer laser surgical system, which is used worldwide for the correction of vision disorders. In 1997 he started TNC Greystone LLC, a consulting company for the ophthalmic industry.



Clapham



Crawford

Dean W. Crawford '64 (electrical science) founder of Vanguard Technologies Corporation. Crawford led Vanguard, founded in 1979, to revenues of over \$70 million and oversaw the IPO in 1986 and its merger with Cincinnati Bell in 1988. Crawford now consults with numerous young technology companies focusing on growth strategies and general business management. He also leads an international charitable

organization whose mission is the rebuilding of big game fish stocks worldwide.

Victor Del Rosso '51 (mechanical engineering), was founder, president and CEO of Hi-Speed Checkweigher Co. in Ithaca, N.Y. He retired in 1988 and remains active as a management consultant. He has served as a director on the Ithaca Bancorp and Citizen Savings Bank.



Del Rosso



Egan

David Egan '62 (business administration), New York State Supreme Court Justice. After graduation from RIT, Egan taught high school business classes for two years before attending Albany Law School. His legal career has included extensive civil experience as a practicing attorney and judge. He was elected Monroe County Court Judge in 1982 and re-elected in 1993. He became a

New York State Supreme Court Justice in May 2000 by appointment of Governor Pataki.

Nancy L. Fein '76 (mathematics), general manager, Toyota Motor Sales, U.S.A. Inc. (Kansas City Region). Since joining Toyota in 1982, Fein has held management positions including assistant general manager (Los Angeles Region), corporate manager - new era business systems, national retail development manager, national manager for vendor development, national parts supply manager, national service planning and operations manager, and warranty manager.



Fein

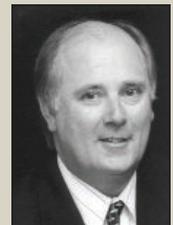


Guerrieri

Bart Guerrieri '67, (mechanical engineering), founder, chairman and president of DSD Laboratories, a privately owned business that provides information services to many federal and state government customers as well as Fortune 1000 companies. Under Guerrieri's leadership, DSD has launched two wholly owned subsidiaries: Backbone Security.com and Technical Assessments Inc. (TAI).

Backbone specializes in leading-edge information security products and services while TAI provides expert services for software process improvements. Guerrieri serves as an adviser to the U.S. Congressional Armed Forces Committee.

Gilbert J. Hatch '72, '80 (mechanical engineering), began his career at Xerox Corp. in a co-op position more than 30 years ago. He has worked in senior technical and management positions including president of the Office Document Production Group. His current positions are president of Office Systems Group and corporate vice president. He is a member of the RIT Board of Trustees.



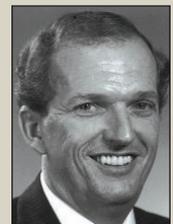
Hatch



Morley

Michael P. Morley '69 (business), has more than 30 years of experience at Eastman Kodak Company in positions in personnel relations, industrial relations and as general manager of the Consumer Services Division and general manager of the U.S. and Canada Consumer Imaging Division. Currently he is CAO and executive vice president. Morley is a member of the RIT Board of Trustees.

Frederick T. Tucker '63 (electrical engineering), recently retired after a career spanning 35 years with Motorola Inc. He held the position of senior vice president and general manager for the Automotive and Industrial Electronics Group and was executive vice president and general manager for the Automotive, Energy and Control Group. Tucker is a member of the RIT Board of Trustees.



Tucker

Alumni Highlights

Information for Alumni Highlights may be submitted to Kathy Lindsley, RIT, University News Services, 132 Lomb Memorial Drive, Rochester, NY 14623, or via e-mail to kjlcom@rit.edu.

Above and beyond

An 8-foot paper sculpture by Jersey City artist **Nancy Cohen '81** (SAC) now floats above the lobby of the tallest building in Paterson, N.J. Commissioned by the building's owner, Mountain Development Corp., the translucent paper structure titled

"Inside-Out (Adentro/Afuera)" took six months to complete. Three students from Paterson's Rosa Parks High School worked as interns in Cohen's studio during the final phases last summer.

"The shapes are organic, suggesting plant life," notes Cohen. "But my piece references nature without imitating it."

Other work by Cohen was featured last fall at the Hunterdon Museum of Art

in Clinton, N.J. Her sculptures are included in the collections of the New Jersey State Museum, the Monclair Museum; and the Zimmerli Museum. The artist will have a one-person show at the Jersey City Museum this spring.

For the troops

During five very hot weeks in Iraq and Kuwait last summer, **Chris Conlon '99** (computational mathematics) got a taste of what life is like for American servicemen and women.

"To see how a USO celebrity tour improved the morale of our troops inspired me to raise funds for their cause," Conlon says. He did so by running the Baltimore Marathon.

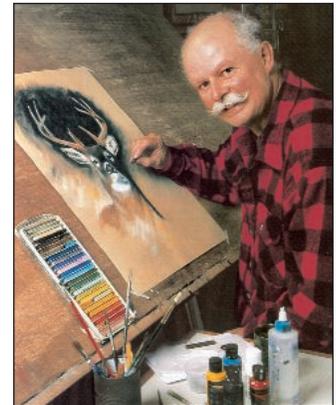
Among those he contacted for support were his former RIT baseball teammates, who contributed \$400. It was the first marathon for the Baltimore resident, who works as a telecommunications engineer for the Department of Defense. He finished the race in 3 hours and 51 minutes and – even more satisfying – he reached his goal of raising \$3,000 for the USO.



Chris Conlon '99 met super model Rebecca Romijn Stamos at a USO show in Kuwait.

Cover guy

John C. Tucker '71 (art and design) of Belmont, N.Y., was selected for a full-page story featured on the back cover of the *I Love N.Y. Allegany County Travel & Outdoor Guide*. In a story titled "John Tucker: Outdoorsman/Artist" Tucker is pictured in his studio working on a painting of a buck. A native of Allegany County, Tucker is director of the Allegany County Office of Emergency Services.



John Tucker '71 made the cover of a tourism guide.

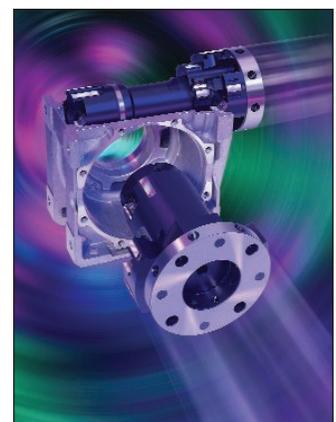
On his honor

Thomas M. McMahon '61 (electrical engineering) was elected mayor of Reading, Pa., in November. He moved to Reading in 1965 after receiving a master's degree in engineering from Penn State and serving two years in the Peace Corps in Bangladesh. He worked for a Reading engineering firm for 15 years before starting his own company, Entech Engineering, in 1980. McMahon served on numerous community organizations prior to running for public office.

Winning image

Bill Barley '64 (photographic illustration) received the Kodak Gallery Award presented by Kodak Professional division for excellence in photography. Barley, of Bill Barley & Associates in Columbia, S.C., was honored for "Mechanical Motion," a photo entered in the commercial category. The image, which shows two tools working together to mill the bores in an automobile power steering unit, was created for Cogsdill Tool Products of Camden, S.C. The image also captured first place, best of show and judge's choice awards.

The presentation took place at the annual convention of the Professional Photographers of South Carolina.



A winning image by Bill Barley '64



Left to right:
R. Roger Remington '57
Royce "Rob" Remington '83
Paula Manchester '82

Family matters

R. Roger Remington '57 (art and design), recently honored for 40 years of service as a faculty member in RIT's School of Design, has a new book: *American Modernism: Graphic Design 1920-1960* (Yale University Press). This is the first comprehensive survey of the Modernist movement as it emerged in various graphic media.

Remington is also celebrating the accomplishments of his children – also RIT grads. **Royce R. "Rob" Remington '83** (instructional technology) was recently elected to the board of directors of Hahn Loeser and Parks, the Cleveland law firm where he has been a partner for seven years. He joined the firm after graduating from Cleveland Marshall College of Law in 1988. He specializes in construction law.

Professor Remington's daughter, **Paula Remington Manchester '82** (retailing) is vice president, management development and training for Olive Garden restaurants, owned by Darden Restaurants Inc. Paula joined Darden in 1997 as director of human resources for the organization's restaurant support center in Orlando, Fla. During her career in the human resources field she has worked for Jordan Marsh Co., Boston; the North American division of Laura Ashley Inc.; and Technology Service Solutions, an IBM subsidiary.

Showing her stuff

The work of **Mary Loomis Rickman '87** (MFA) was presented in a one-woman retrospective in January in the Dean's Alumni Gallery in the College of Imaging Arts and Sciences. More than 100 guests attended the opening.

"I've spent a lifetime of learning about painting/art/life," said Rickman, of Penn Yan, N.Y. "This show is all my work but each painting shows the influence of the people who taught me. It is important to me that I remember and honor them." Her work also was featured at the Yates County Art Center in February and March.



More than 100 people attended the opening of a retrospective of the work of **Mary Loomis Rickman '87**.



"Retro: Who's Coming through the Door?" by **Mary Loomis Rickman**.

Book marks

A number of alumni report recent publication of books.

• **Michael Karpovage '90**

(fine arts) recently published his first book, *Flashpoint Quebec – Operation Joint Suppression* (PublishAmerica). The novel focuses on a U.S. Army 10th Mountain light infantry task force that is drawn into a violent urban battle with the revolutionary Quebec Defense Force. Born and raised in western New York, Karpovage worked in Atlanta for eight years following graduation, then returned to Rochester to work as art director for local advertising agencies. He recently moved to Ithaca, N.Y., where he is publications designer at Tompkins Cortland Community College.



Karpovage

• **Michael Gendron '70**

and '76 (B.S. accounting, MBA) is the author of *Integrating Newly Merged Organizations* (Praeger Publishers). Gendron most recently worked as chief financial officer of Hill-Rom Inc., and he has worked at Bausch & Lomb, Deloitte & Touche, KPMG and other companies.

Working for Labor

Thomas C. Wiesner '75

(electrical engineering) recently became deputy chief information officer for the U.S. Department of Labor. His responsibilities include all areas of IT and e-government with a concentration on cybersecurity.

Prior to joining the Department of Labor in September, Wiesner worked for the Homeland Security Department where he coordinated IT services for all airports under the Transportation Security Administration.

Alumni Highlights

Kid stuff

Clint Niedzwiecki '00 (graphic design) gained recognition in a new book, *trek*, by internationally renowned designer David Carson. Niedzwiecki came to the attention of Carson through an innovative student teaching project. Niedzwiecki, who will receive his M.S. in art education from Syracuse University in May, contacted Carson via e-mail and persuaded the designer to participate in an online chat with Carson's fourth-graders in Dewitt, N.Y.

Carson included the lesson in his book, using Niedzwiecki's original e-mail, some of the students' works, and screen shots of the online session.

"The book is amazing," says Niedzwiecki. "It's a pretty big deal. Carson is one of the most famous designers alive."



Clint Niedzwiecki '00 and students

Undefeated team plans 50th reunion

Members of RIT's 1955-56 varsity basketball team are planning a reunion for November 2005 to mark the 50th anniversary of their undefeated season. The committee, **John Buchholz**, **Arnie Cardillo '60**, **Ralph Van Peursem '58**, **Ed Baucum '56** and **Fred Moss '58**, is trying to locate manager **Robert E. Lorenzen '56** and **Kenneth Johnson '61**.

If you were a member of this team, or if you have questions, please contact **Rob Grow '88**, Office of Alumni Relations, Crossroads, 41 Lomb Memorial Drive, Rochester, NY 14623; 585-475-2601; or e-mail rcgrar@rit.edu.

Expanded online programs appeal to alums seeking graduate degrees

In today's competitive job market, working professionals need to continually learn about new technologies and update their skills. Online learning at RIT is helping alumni do that.

The university is offering an increasing number of graduate degree programs online including applied statistics, cross-disciplinary professional studies, environmental, health and safety management, health systems administration, imaging science, information technology, microelectronics manufacturing engineering, print media, software development and management.

Besides degree programs, those with bachelor's-degrees also have the option of seeking an advanced certificate. "This credential is becoming more popular in business and industry, as it offers the opportunity to take a subset of courses that develop a specific skill set and get an advanced credential at the same time," says Diane Ellison, director of graduate enrollment services. "Another benefit is that these certificates can be applied to related master's degree at RIT."

Advanced certificate programs available online include: integrated health systems, health systems finance, human resource development, service leadership and innovation, statistical quality, and technical information design.

"People tend to be surprised at the breadth of our online graduate offerings," says Ellison. "In addition to flexibility and quality programs, RIT alums benefit from continuing

their education at RIT as the application fee is waived, and we offer a streamlined admission process."

Comments from students have been highly positive. Doug Caruso '71 (printing management) says a master's degree has been a lifelong personal goal, but business and family responsibilities made returning to campus impossible.

"When I received the information announcing the RIT online master's program in print media, it took me all of two minutes to accept the challenge," says Caruso. "Not having been in a college classroom for over 30 years, I was initially apprehensive about my ability to complete the program.

Although the courses have been comprehensive in content and require a good deal of time and effort, I've happily concluded that the ability to learn is not a function of age!"

Matthew Hanson '95 (imaging and photographic technology) last year became one of the first two graduates of the online master's degree program in imaging science.

"I was looking to go back to school, and learned about the online program from the RIT Web site," says Hanson, who works for Photon Research Associates (PRA) in Newton, Mass. "The program was great," he says. "I'm very glad that I did it."

For more information about these programs, visit the Web site at www.rit.edu/~625www/events.html, or call the Office of Graduate Enrollment Services at 585-475-7284.

Board Bulletin

RIT Alumni Network

RIT Awards Alumni Legacy Scholarship



Timothy Johnson Jr., son of alumnus Timothy Johnson Sr. '78 (graphic arts and photography), is the 2003-2004 recipient of the RIT Alumni Legacy Scholarship.

Tim, in his second year of study in the information technology program, is news editor of *Reporter*, RIT's weekly student magazine. He also is working for the information technology services department. He is a member of Phi Delta Theta fraternity and made the dean's list during each of his first three quarters of study.

"This scholarship means a lot to me and my family," he says. "It will go a long way in allowing me to make the most of my time at RIT."

Timothy Johnson Sr. is vice president of operations for Larmon Photo Inc., a

small chain of camera stores in southeast Pennsylvania. The family home is in Hatboro, Pa.

An initiative of the RIT Alumni Network Board of Directors, the Alumni Legacy Endowed Scholarship was established in 2002 and is awarded on an annual basis to children, grandchildren or dependents of RIT alumni. Scholarships are awarded based upon

a combination of the candidate's financial need, leadership and academic performance. Two awards will be made for the 2004-2005 academic year.

For an application or more information on the RIT Alumni Legacy Scholarship please contact Bryan Hensel, assistant director of alumni relations, toll free at 1-866-RIT-ALUM or bchbbu@RIT.edu.



The 2003-2004 RIT Alumni Legacy Scholarship recipient is Timothy Johnson Jr., son of Timothy Johnson Sr. '78.

For more information about the Alumni Network Board of Directors – and a photo of the group – go to www.rit.edu/~032www/volunteer/bod.html.



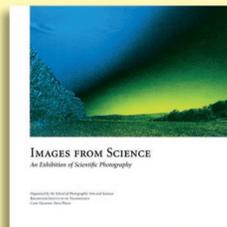
RIT CARY GRAPHIC ARTS PRESS

The Cary Graphic Arts Press is the publication arm of the Melbert B. Cary, Jr. Graphic Arts Collection at RIT. The collection is a renowned resource for those studying printing history, bookbinding, typography, papermaking, calligraphy, and book illustration processes. Since the Cary Collection's inception in 1969, occasional publications have appeared, inspired by its holdings. Strong scholarship and editorial direction, elegant design, and fine printing have characterized these publications, which are usually historical in context. With the creation of the Cary Graphic Arts Press, we hope to carry on these high standards with increasing regularity and work toward the formal establishment of a university press at RIT.

Please contact us for more information on any of these publications, or to place an order.

WEB: <http://wally.rit.edu/cary/carypress.html>

PHONE: (585) 475-6766



IMAGES FROM SCIENCE: AN EXHIBITION OF SCIENTIFIC PHOTOGRAPHY

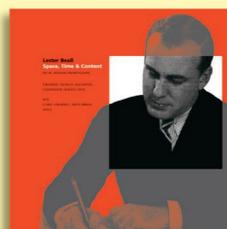
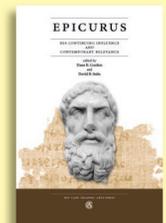
Organized by RIT School of Photographic Arts and Sciences
Features exciting contemporary photography from the fields of astronomy, physics, engineering, medicine, and microbiology. The large full-color reproductions and detailed captions will be certain inspirations in the classroom, or simply for the inquisitive mind.
144 pages, paperback, \$19.99

EPICURUS: HIS CONTINUING INFLUENCE AND CONTEMPORARY RELEVANCE

Edited by Dane R. Gordon, Professor Emeritus in Philosophy, RIT, and David B. Suits, Professor of Philosophy, RIT

The philosophy of Epicurus (c. 341–271 B.C.E.), has been a quietly pervasive influence for more than two millennia. Many of the ideas here were first presented at a conference on Epicurus held at RIT.

236 pages, paperback, \$24.99



LESTER BEALL: SPACE, TIME & CONTENT RIT GRAPHIC DESIGN CHAPBOOK SERIES 1

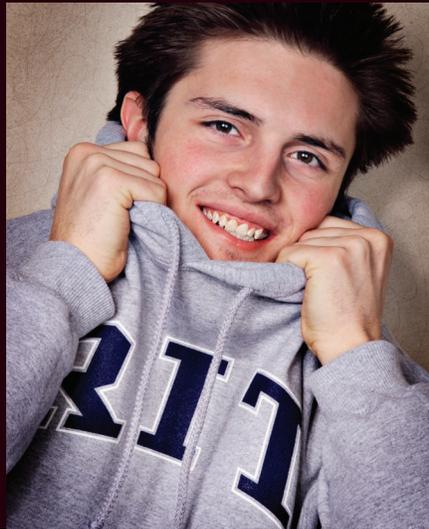
By R. Roger Remington, Professor of Graphic Design, RIT
This new series celebrates the achievements of key design pioneers whose work is collected in the Special Collections department of RIT's Wallace Library. Lester Beall is now considered one of the chief proponents of the American Modernist Design movement.

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Six selected for RIT Sports Hall of Fame

The RIT Sports Hall of Fame grew to 135 members with the induction of six new members at the 35th annual ceremony Nov. 8, 2003.

Allan H. Shepard '62 (printing), a native of Buffalo, now lives in Cambridge, Md. He was the driving force in the late 1950s and early '60s before men's hockey became a varsity sport. Shepard played three seasons of club hockey and was chosen to drop the ceremonial puck at the first varsity game in 1963-64. He was also a member of Gamma Epsilon Tau Fraternity. Shepard is vice president of Roebuck Printing Inc. in Baltimore.

Craig S. Jones '97 (social work), will be remembered as one of the finest players in all of NCAA Division III basketball. He was a three-time All-American, national Player of the Year, co-Senior Athlete of the Year and three times Rochester College Player of the Year. In 2002 he was inducted into the JP Morgan Chase Tournament Hall of Fame.

In his four years, he scored 1,984 points, breaking the previous mark of Hall of Famer Jim Robinson '68 who had 1,919. Jones also set the career rebound record with 1,085. He played in 106 games and helped guide the team to an 84-22 won-lost record.

A native of Webster, N.Y., Jones resides in Prescott, Ariz., where he is a residential program director with Daybreak Behavioral Resources in Dewey, Ariz.

Kristina Schulze Keer '93 (hotel management) did her share of rewriting the RIT track and field record book. Competing in the grueling indoor pentathlon and outdoor heptathlon, Keer won five New York state titles during her career. Along the way, she shattered school records and was named Senior Athlete of the Year in 1993. Keer set school marks in the pentathlon (2,622 points), heptathlon (3,767), high jump, long jump, 800 meters and 40-meter hurdles. She missed her entire sophomore year because of injury and the death of her father.

A former girls' track coach at Merritt Island (Fla.) High School, she recently relocated to Pottstown, Pa., with her husband and two children. She is a native of Rensselaer, N.Y.

Tony S. Fraij '97 (packaging science) had the distinction of earning 11 All-American titles in cross country and track, more than any other athlete in RIT



Photo by Ken Huth '88

The latest inductees into RIT's Sports Hall of Fame are, from left, Tony Fraij '96, Allan Shepard '62, Craig Jones '98, Kristina Schulze Keer '93, Ronald Rice '77, and Frederick Bleiler.

history. Fraij excelled at distance running and capped off his cross country career with third place honors in the 1996 NCAA Division III championship. RIT finished fourth in the nationals in 1993 and 1995. His track career was highlighted with second and third place finishes in the 10,000 and 5,000 meters in 1995.

He was RIT Athlete of the Week 23 times and was named co-Senior Athlete of the Year in 1997. He was Rochester Press-Radio Club College Athlete of the Year in 1995 and won the team Outstanding Runner Award three times. Fraij also maintained a 3.37 grade point average and was named to the Dean's List eight quarters. The Sidney, Ohio, native now lives in Hilliard, Ohio, and is a package development engineer with Roxane Laboratories in Columbus, Ohio.

Ronald P. Rice '78 (applied photography), a native of Warren, Mich., was the first All-American in the history of RIT swimming, gaining the honor in the 200-yard freestyle in 1974-75 with a time of 1:48.1. He repeated the feat a year later as part of the 400-yard freestyle relay. Rice was named National Technical Institute for the Deaf Male Athlete of the Year in 1975 and 1978 and was RIT's first deaf All-American. He displayed his versatility by swimming freestyle, butterfly, backstroke and as part of relays.

During his RIT career, Rice won 82 of 85 races and was four-time Most Valuable

Swimmer and leading scorer. He lives in Oregon City, Ore., and is employed with Orepac Building Products Co., Wilsonville, Ore.

Fred Bleiler, honored for distinguished service, served as RIT's physical education and athletics administrator from 1968 to 2000. Bleiler created and implemented intercollegiate, intramural and physical education programs at the newly opened Eisenhower College, which later became part of RIT. Bleiler was director of physical education and athletics from 1968 to July 22, 1982, when Eisenhower closed.

A native of Odessa, N.Y., and now of Henrietta, N.Y., he joined the RIT physical education staff in 1982 as associate director and physical education instructor and became director in 1984. After he assumed leadership, the RIT physical education program was revised to include a wellness component, a faculty/staff health enhancement program (known as RIT*FIT) and a senior "fit for success" certificate awards program.

Bleiler, along with Hall of Famer Fred W. Smith (former vice president for student affairs and now secretary of the institute and assistant to the president) and associate director Greg Moss, was instrumental in the design and planning of the Hale-Andrews Student Life Center, which opened in 1992.

J. Roger Dykes

45

SPRING 2004

New smoking policy begins

Hello again to all RIT parents! We're well on our way to finishing another busy year and we're looking forward to the exciting end-of-year activities.

Spring fever can sometimes make students lose their focus, not just on their studies, but on some common sense safety measures. RIT is fortunate to be a suburban campus but we are in a major metropolitan area and we have safety and health issues like any other university. The accompanying article tells you about some of the changes we've made on campus to ensure our students' safety.

Another measure we've undertaken to protect RIT students is launching a smoke-free living area initiative. Beginning in Fall 2004, RIT will join the more than 30 percent of U.S. universities that maintain smoke-free residence halls, Greek houses and apartment complexes.

Studies show that occasional and ex-smokers are at greatest risk for starting to smoke again in campus environments that allow smoking in dorms and promote the sale of tobacco on campus. In addition, smoking in dorms and tobacco sales has led to a peer perception on college campuses that smoking rates are much higher than they really are – one study showed that students believed that more than 90 percent of the student body smoked, when in



Mary-Beth Cooper
Vice President for Student Affairs

reality only 34 percent were smokers!

RIT and the office of Student Affairs is genuinely concerned about our students' health. We recognize that it is harder to help someone stop smoking once they've started than it is to keep them from starting in the first place. All RIT academic buildings are smoke-free in accordance with recent Monroe County and New York state laws, and we're adding the living area initiative to help our students stay healthy.

If you have questions about RIT's smoke-free policy – or any student health and safety issues – please call our office at 585-475-2265.

A handwritten signature in black ink that reads "Mary-Beth".

Mary-Beth Cooper
Vice President for Student Affairs



New crosswalks and bright signage make drivers more aware of pedestrians.

Student safety gets top priority

Safety for students is a team effort. RIT's offices of Risk Management, Safety Services and Facilities Management Services have joined forces with design partner, Sear-Brown Associates, to address a number of considerations.

RIT's goal is to keep all students safe both on and off campus during the school year.

One key area is security in the residence halls. To help protect students and their personal property, residence halls are now locked 24 hours a day, seven days a week. Only students living in the specific residence hall and RIT staff assigned to that hall have keys to enter. All visitors must be

“buzzed in” and must sign in at the front desk.

RIT also has made campus roadways safer for pedestrians and drivers. Safety Services and Facilities Management have constructed raised crosswalks in the pedestrian paths that cross our major roadways. The crosswalks are marked with vivid green signs and solar-powered flashing lights to warn motorists to use caution.

RIT, in conjunction with the National Safety Council of Central New York, offers the “Knowledge of Safe Defensive Driving Techniques” course to encourage safe driving on and off campus. The university has six certified instructors on campus teaching this six-hour course. It is available to students, faculty and staff.

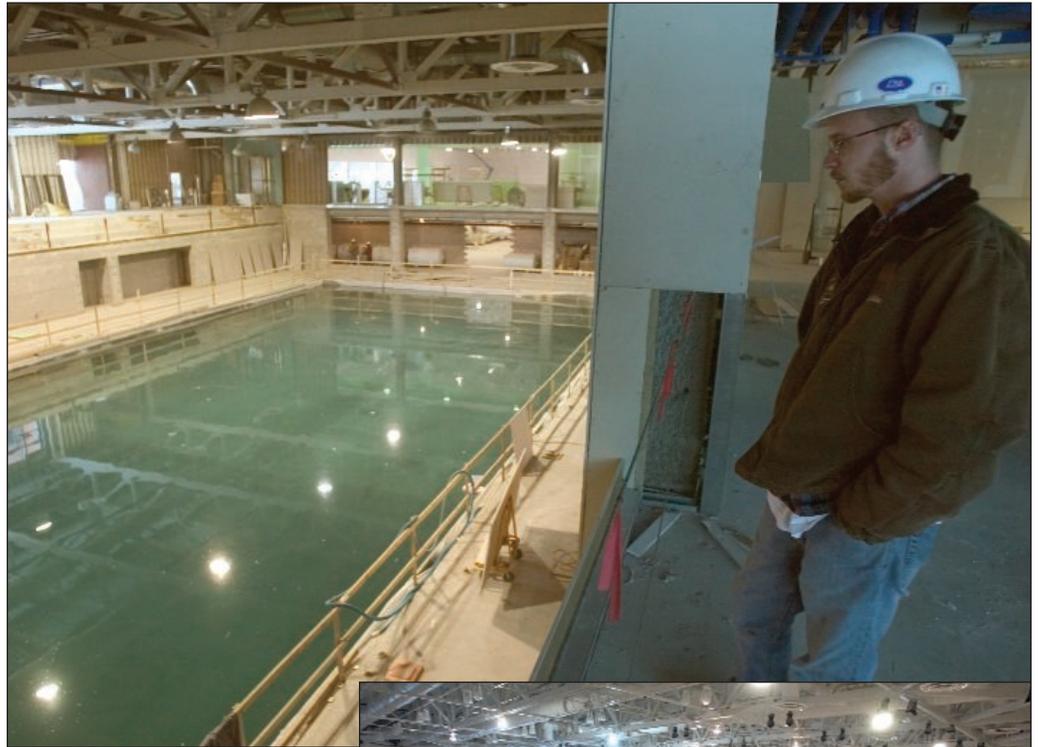
Facilities Management Services and Campus Safety also are working to upgrade lighting throughout campus

over the next several years. The firm of Fisher Marantz Stone, perhaps best known for creating the “Tribute in Light” at the World Trade Center site, has been hired to design the project, but aesthetics aren’t the only concern. Energy efficiency and pedestrian safety are top priorities. RIT is working to illuminate all areas of campus appropriately.

Speaking of lights, students have seen many more blue-lighted call boxes around campus. Safety Services has installed a total of 67 security call boxes around campus and boxes are required in all new facilities.

Last spring, the Student Government Association established a Safety Committee to directly address students’ concerns. Any registered student can bring their safety issues to SGA, who will work directly with the Safety Services, Risk Management and Facilities Management team on behalf of students.

RIT’s goal is to keep all students safe both on and off campus during the school year.



Building athletics

Athletics is a key part of many RIT student experiences and a hook on which to hang RIT Pride. The RIT Athletics Association supports athletic teams and coaches through efforts such as RIT student athlete recognition, organizing “friends” events like the Tiger Open, and building the Athletic Association Endowment. These initiatives help to build positive relationships with current athletes, alumni athletes and parents.

The efforts of the association and the Office of



Top: Jonathan Hoffman '01 (civil engineering technology), a project engineer for The Pike Co., observes work on the competition pool in the new Gordon Field House and Activities Center. Above: The facility’s multi-purpose area will accommodate 8,000 people.

Development are bringing about many great changes for RIT athletes. Construction of the Gordon Field House, opening this spring, and the artificial turf field that was recently completed are two prime examples. Other initiatives underway include expanding Athletic Association Board membership, expanding Athletic Association membership as a whole, increasing the reach and activities of the association, investigating creation of endowments for some coaching positions, and rais-

ing funds for athletics facilities, equipment and support.

If you are the parent of an athlete, a former RIT athlete yourself, or just a fan of RIT athletic teams, please consider supporting the efforts of the Athletic Association. Contact Gene Peluso, Assistant Director for Development, 585-475-2131, or e-mail him at coachpeluso@hotmail.com.

For more information on the RIT Athletic Association, please visit www.ritathletics.com/Sports/gen/2002/athletic_assoc.asp.

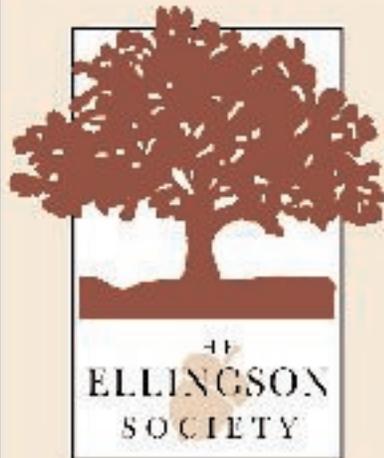
**Looking for a unique gift to give a graduate?
Want to say “Great Job!” to a super student?**



Save them a seat in the new Gordon Field House and Athletics Center!

Go to page 14 of this issue to find out more.

Photos by fourth year photojournalism major Christopher Zajac.



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Please call the RIT Planned Giving Office at 585-475-6566, or toll-free at 1-866-257-4008 for more information, or email us at planned_giving@rit.edu.