

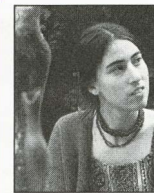
5 Invention proposals increase on campus



9 RIT scholars and award winners



11 Formula car to race in finals

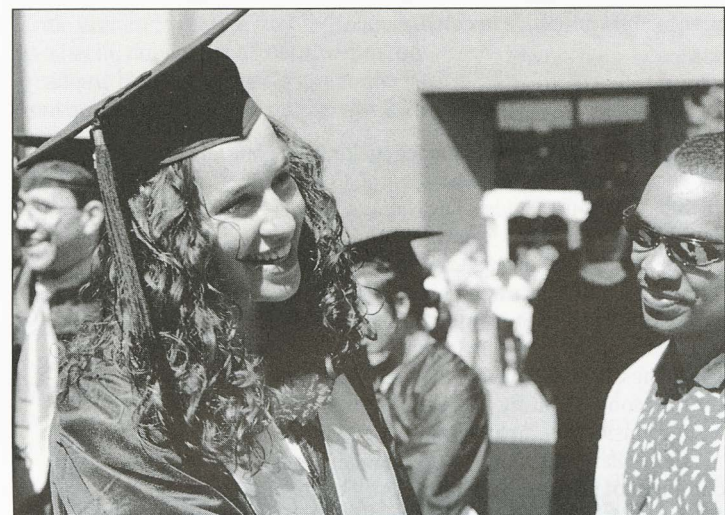


12 Grad profile stories

Pride of RIT to cross the stage in May 21-22 ceremonies

More than 3,500 students will graduate during RIT's 114th annual commencement

Other highlights of the academic convocation include a student address by Adam



Lange-Pearson of the Kate Gleason College of Engineering and recognition of this year's recipients of the Eisenhart Awards for Outstanding Teaching and the Richard and Virginia Eisenhart Provost's Award for Excellence in Teaching. And President Albert Simone will officially confer degrees to the graduating class during the academic convocation.

Charles Schumer, United States Senator from New York (see separate story), will give the 1999 RIT commencement speech during the academic convocation on Friday evening, May 21. During the convocation, William Johnson Jr., mayor of Rochester (see separate story), will receive an honorary degree for his contributions to RIT and service to the Rochester community.

The convocation will begin at 7:30 p.m. in the tent in parking lot U. A reception for all graduating students and their families, faculty and staff will take place outside the tent, weather permitting, beginning at 6:15 p.m. featuring complimentary refreshments.

during the academic convocation.

"I believe our two-day commencement celebration will be a culminating experience for graduates and their families and friends. It is a capstone of their time at RIT and a fitting finale to years of hard work and sacrifice," says Simone. "All of us at RIT—faculty, staff and trustees—congratulate all the graduates and their families and wish them continued success."

RIT's commencement will focus on individual recognition of the graduates. Once again student delegates (see separate story) will speak at each ceremony and the festive campus atmosphere will feature banners, music and food.

"Graduation is the highlight event of the academic year," says Stan McKenzie, provost and vice president for academic affairs. "It is a time for everyone to take great pride in our students' accomplishments and tell them what a wonderful job they've done meeting the rigorous academic demands of RIT."

Commencement schedule Saturday, May 22

A list of each commencement ceremony for Saturday, May 22:

- College of Imaging Arts and Sciences, Tent, 8:30 a.m.
- National Technical Institute for the Deaf, George H. Clark Gymnasium, 8:30 a.m.
- College of Business, Frank Ritter Ice Arena, 9 a.m.
- College of Liberal Arts, George H. Clark Gymnasium, 10:30 a.m.
- Kate Gleason College of Engineering, Frank Ritter Ice Arena, noon
- College of Applied Science and Technology, Tent, noon
- College of Science, George H. Clark Gymnasium, 12:30 p.m.

Senator Schumer and Mayor Johnson to address RIT

RIT's academic convocation presents two distinguished citizens.

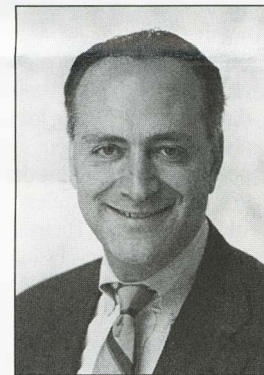
Charles Schumer, United States Senator from New York, has been a leader on national issues for the past two decades. Before his election to the U.S. Senate in 1998, he was a nine-term member of the U.S. House of Representatives, representing the ninth congressional district in Brooklyn and Queens. Senator Schumer

serves as a member of the Committee on Banking and Financial Services, the Judiciary Committee and the Rules Committee.

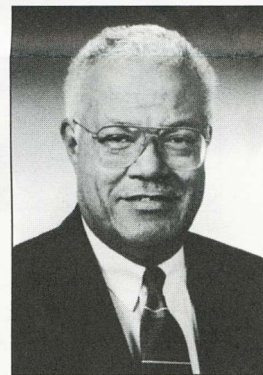
While his legislative accomplishments are significant and diverse, Senator Schumer is particularly well known for his efforts in the area of crime control. While in the House of Representatives, Schumer authored and co-sponsored the Brady Bill, which required a five-day waiting period for the purchase of handguns. He also was instrumental in the passage of legislation that outlawed assault weapons, and wrote the Violence Against Women Act.

In 1994, Schumer co-sponsored the Omnibus Crime Bill, which helped to put 100,000 new police officers on the street and created after-school programs for troubled teens. Attorney General Janet Reno said of him, "I have never met a public official more dedicated to fighting crime than Mr. Schumer."

Since his election to the U.S. Senate, Schumer has introduced a number of bills,



Charles Schumer, U.S. Senator from New York



William Johnson Jr., mayor of Rochester

including several which would benefit college students and their families. The "Make College Affordable Act" would make all college tuition tax deductible for families with incomes under \$140,000. Another proposed bill would assist families in saving for college tuition by increasing the amount that they can contribute to tax-free education IRAs. A third bill introduced by Schumer would provide loan forgiveness for college graduates who teach at least five years in public or private schools.

Senator Schumer has also made an important mark on other governmental issues. He successfully fought off cuts in mass transit and housing and, in 1995, he led a successful fight against proposed cuts in Medicare and Medicaid. He has championed consumer issues such as requiring credit card companies to disclose interest rates, and has been instrumental in reforming the U.S. immigration system and banking law. On human rights issues, he has been a leader in seeking restitution for Holocaust survivors and their families, and is also regarded as one of Israel's strongest supports on Capitol Hill.

Senator Schumer attended Brooklyn public schools, and is a graduate of Harvard University and Harvard Law School. At age 23, he was elected to the New York State Assembly, one of the youngest members since Theodore Roosevelt.

William Johnson Jr., mayor of Rochester since 1994, is the first African American to hold the position of chief executive of Rochester. During his tenure, he has made

continued on page 3

Evolutionary magazine turns 10-year page

For 10 years, Professor Doug Rea's classes have produced *E.s.p.r.i.t.* each spring. The publication began as a way to test the limits of digital photography and over the years has grown and changed with each group that produced it. Web sites have been added and CD-ROMs incorporated. Recent editions have relied on text and photographs equally to explore complex issues, often involving technology and its effect on human interaction.

But editors of the anniversary edition took a new approach, using technology

when appropriate instead of using it every time they could. Many of the images contained in the three-volume edition have actually been captured through traditional photographic methods rather than through digital means. They explore a common human experience completely unrelated to technology: secrets.

E.s.p.r.i.t.'s "secrets" images span the range of things people keep hidden, from family secrets to childhood secrets to memories. Photo layouts become less literal as the volumes progress. The cover of each book introduces the theme through images hidden within photo mosaics. Even the packaging tells the tale: the three books are concealed within a book, each volume buried a bit deeper than the previous one.

"Everything in this year's *E.s.p.r.i.t.* is done in progression with a layering effect," says Erin Sarofsky, creative director. "We went back to the basics of good documentary photography where the text simply supports the visuals. We wanted to use technology to make this a seamless production, as a way to adapt it to a lot of people. But we didn't feel that we had to talk about technology, in text or pictures, for this to be a very technical piece."

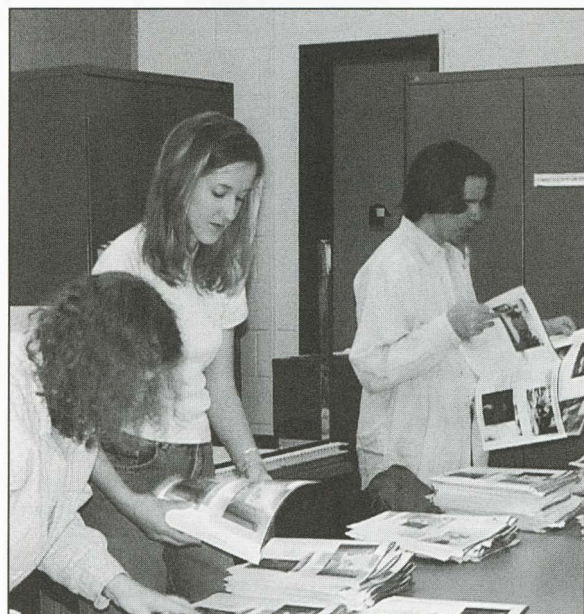
Instead, the *E.s.p.r.i.t.* production team saved the technological bells and whistles for the publication's corresponding

Web site, using virtually every Web technology popular today. From basic html to Javascript, Flash, Shockwave and streaming video, the site has it all.

"When people go to the Web site, they will see the work in a different format. There is a great deal of integration between the books and the Web, but they're not identical. They're complementary," says Allison Roberts, director of photography. The Web site, www.esprit10.com, also features biographies of the entire *E.s.p.r.i.t.* team as well as photos documenting the creative process from concept to postproduction.

"This is not a definition or a yearly update of where digital photographic technology at RIT stands," says Becky Stoltz, *E.s.p.r.i.t.* editor. "This is human and it's emotional."

But it's still *E.s.p.r.i.t.* as Rea envisioned it 10 years ago. "This has always been about pushing new ideas and this edition still does that," he says.

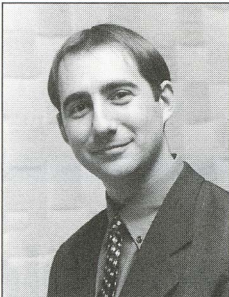


Producing the 10th anniversary edition of *E.s.p.r.i.t.* has meant lending a hand or two, as (left to right) Erin Sarofsky, creative director, Becky Stoltz, editor, and Dave Treanor, photographer, found out. The trio and others spent a recent Friday afternoon and evening collating pages of the books in preparation for binding.

1999 College Delegates

Each RIT college selected one student representative (Applied Science and Technology, and Business have selected two) to take part in the academic convocation on Friday. These college delegates will carry their college banner, and join the platform party. During the symbolic conferral of degrees, the delegates will accept the degrees on behalf of their respective college graduates. On Saturday each delegate will speak during their individual college graduation ceremony.

The delegates, chosen based on overall personal achievement, are students who embody the ideals of RIT including, but not limited to, academic achievement. President Albert Simone selected the student speaker, Adam Lange-Pearson, from among the college delegates.

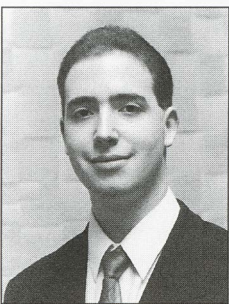


Matthew Erich

College of Applied Science and Technology

Matthew Erich, a telecommunications engineering technology major from St. Mary's, Pa., has received an Outstanding Undergraduate Scholarship Award and Nathaniel Rochester Society Award. He is a member of the Phi Kappa Phi Honor Society, Tau Alpha Pi Honor Society and the Golden Key National Honor Society. Matthew has received a Rochester Engineering Society Scholarship and Outstanding Moscom Sophomore and Junior Scholarships. He has had co-op experience at Hemisphere Communications, Buffalo, N.Y., in network engineering; Voice Technologies Group, Buffalo, N.Y., in software engineering; and Nortel-Northern Telecom, Nashville, in radio frequency

engineering. Matthew has both voice and data communications certification. His immediate plans after graduation include working with a medium-sized telecommunications company as a network or telephony engineer. Matthew's long-term plans are to own his own business and teach at a university.



Mark Roth

Mark Roth, a graduate computer science student who also received his bachelor's degree in the same field from RIT, is from Brooklyn, N.Y. He has received an Outstanding Undergraduate Scholarship Award, Briggs Endowed Scholarship and Computer Science Alumni Scholarship. Mark was a member of the RIT team that competed in the 1998 World Finals of the Association for Computing Machinery (ACM) International Collegiate Programming Contest in The Netherlands. His team also finished in first place in the quarterfinals of the 1997 and 1998 ACM contests. On co-op Mark has worked as a computer programmer at Merrill Lynch and as a software engineer at Object Components Corporation. A member of the Association for Computing Machinery and of SIGSOFT, the ACM Special Interest Group on Software Engineering, he helped create a new computer club on campus and initiated a new programming contest at RIT sponsored by Merrill Lynch and Sun Microsystems. After graduation Mark plans to work as a software engineer.



Nicholas Rubio

College of Business

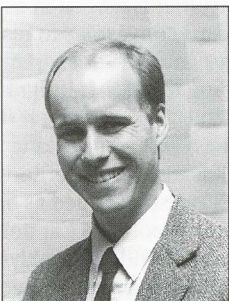
Nicholas Rubio, an international business major from Venezuela, is the founder and president of Global Union, a multicultural student organization. He is a student representative to RIT's Institute Council, a senator of Student Government, founder and honorary chairman of the RIT Venezuelan Student Association and was director of marketing for the Residence Halls Association. Nicolas also was vice president of the Special Interest House Association, peer advisor leader for the International Student Orientation Program and a member of the College of Business Dean's Student Advisory Council. He has received Nathaniel Rochester Society Scholarships, Davis Leadership Awards, the 1997 Outstanding

International Student Service Award and the 1998 Eric Senna Award for contributions to campus life. In 1998 Nicolas spent four months as an international affairs intern at the U. S. Chamber of Commerce/ Association of American Chambers of Commerce in Latin America. He also works as a marketing assistant for RIT's Center for Residence Life. After graduation Nicolas plans to work in the Washington area and get a Ph.D. in international affairs/government.



Lori Szostek

Lori Szostek, an M.B.A. student concentrating in marketing, from Rochester, received her bachelor's degree in mathematics from the State University of New York at Geneseo. She is president of the Graduate Management Association at RIT and a member of the College of Business Dean's Advisory Council. Lori received a graduate assistantship for RIT's Executive MBA program where she assists professors in organizing and planning the course schedule. She had a summer internship at Yankelovich Partners, a marketing research company, where she worked in the analytics group applying statistical methods to projects for such clients as Godiva, Ocean Spray and Sak's to determine potential market segments for clients to target. She has done two projects related to her M.B.A.—with the new products manager for Curel hand lotion at Bausch and Lomb regarding various adjustable marketing mechanisms and a sales management report with the general sales and district sales managers of Coca Cola bottling in Rochester. Lori plans a marketing career in branding at a multinational corporation.



Adam Lange-Pearson

College of Engineering

Adam Lange-Pearson, a computer engineering major from Devils Lake, N.D., also received bachelor's and master's degrees in performance from the Eastman School of Music in Rochester. At RIT he has received a Nathaniel Rochester Society Scholarship, Eisenhart Scholarship, and scholarships from the Rochester Engineering Society and the American Association of Facilities Engineers. He has been on co-ops at Xerox's Webster Research Center in the Digital Imaging Group, where he participated in software image compression application for a next-generation of high-speed printer. He helped with the design, programming, analysis and documentation. At the Eastman School

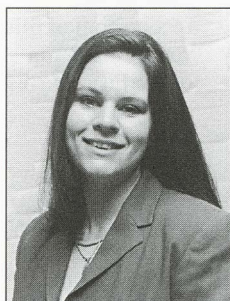
of Music he was the principle cellist in a many school orchestras. He was a member of the Heidelberg (Germany) Orchestra, in a substitute for the Rochester Philharmonic Orchestra, a graduate teaching assistant and had master classes with such artists as Yo-Yo Ma. Adam's plans after graduation are to work as a software engineer for IBM in Rochester, Minn.



Gretchen Gast

College of Imaging Arts and Sciences

Gretchen Gast, an imaging and photographic technology major from Williamsburg, Mich., is president of the Technical Photography Student Association. She is a member of the National Honor Society, a tour guide for the School of Photographic Arts and Sciences and a member of the RIT Players, a theatre group. Her co-op experience includes Xerox Corp., Webster, N.Y., where she analyzed color management application workflow and quality analysis for the production color systems implementation strategy team. Gretchen also co-oped at Polaroid Corp., Boston, where she performed image analysis and evaluation for media development on a direct thermal printer. She has worked as a teaching assistant at RIT, where she researched and tested ink chemistry and prepared ink formulations for ink-jet printing. She plans to have a career in research or product development using her experience and knowledge in color science.



Vickie Nuse

College of Liberal Arts

Vickie Nuse, a criminal justice major from New Jersey, received an associate's degree from Monroe Community College. She is a member of the Golden Key National Honor Society, received the 1998 Richard Lewis Award for Scholastic Achievement in criminal justice and the 1998 Albert W. Skinner Law and Order Scholarship. She is a member of the Academic Conduct Committee and Student Advisory Board. Vickie has served as an intern for the Office of Special Counsel to the Mayor of Rochester on Crime and Violence Initiatives. She is director of the Monroe County Jury Diversification Project, where her responsibilities include working with community leaders and

members of the Monroe County Bar Association to organize and present community outreach events for the recruitment of prospective minority jury members. Vickie also worked as a research assistant for the chair of the criminal justice program and constructed and maintained the program's home page on the Internet. She plans to attend graduate school at UCLA where she has been accepted in the master's program in urban planning.



Robert Bedrosian

National Technical Institute for the Deaf

Robert Bedrosian, an applied computer technology major from Waltham, Mass., has received a Continental Corp. Scholarship, Citicorp Scholarship, All American College Scholar Award and

Applied Computer Technology Student Award. Robert has participated in co-op at TIAA-CREF (Teachers Insurance and Annuity Association-College Retirement Equities Fund), where he worked as the assistant network administrator. He also co-oped at NASA's Langley Research Center where he worked as an assistant programmer. After graduation Robert plans to return to RIT to work on his bachelor's degree in information technology, and eventually become a network administrator or software developer.



Jessica Sparrin

College of Science

Jessica Sparrin, a biotechnology major from Iliion, N.Y., has received a Nathaniel Rochester Society Scholarship, Davis Scholarship, RIT Alumni Scholarship and Baldwin Scholarship. She is a committee member for the Eisenhart Award for Excellence in Teaching, chapter president of the Golden Key National Honor Society, a member of the College of Science Dean's Student Advisory Board and former vice president of Student Government. Jessica has had co-op experience at the National Institutes of Health's National Human Genome Research Institute, Bethesda, Md., and the Food and Drug Administration's National Center for Toxicological Research, Jefferson, Ark. She also has worked as a resident advisor for the Center for Residence Life and for the biological sciences department. Jessica volunteers as a counselor for the Crisis Pregnancy Center in Palmyra, N.Y. After graduation she plans to attend graduate school for a master's degree in genetic counseling.

Commencement Week Parking and Traffic

During commencement week the following parking changes will be in effect: U-lot, the site of the commencement/academic convocation tent, closed on May 14, will reopen when the tent is removed, some time after Monday, May 24. Reserved permit holders may park in the reserved areas of lots D, F or S during this time. Starting at noon on Friday, May 21, D-lot will close; it will be reserved for handicapped guests. Reserved permit holders will not be affected on Friday. On Saturday, May 22, only individuals with a special commencement permit will be allowed into D-lot.

During these temporary closings, drivers can use alternate parking in lots on the north side of campus. RIT shuttles will also continue their regularly scheduled routes between the north and south sides of campus. Schedules are available at the Information Desk in the Student Alumni Union.

Drivers should note that at 3 p.m., on Friday, May 21, and all day on Saturday, May 22, Andrews Memorial Drive will be closed east of the east entrance to S-lot. S-lot will be open for parking on both days.

Commencement Shuttle Bus Service

Shuttle bus service will be available on Friday and Saturday from academic parking lots. From 5 to 10 p.m. on Friday, buses will run between parking lots and the commencement tent in U-lot. Starting at 7 a.m. on Saturday, buses will run between the parking lots and all commencement facilities. On both days, mobility-impaired vans will also be available to transport handicapped guests between D-lot and the ceremony sites.

Viewpoints

Advice to graduates: Embrace lifelong learning

This column presents opinions and ideas from your peers on issues relevant to higher education. We welcome response and hope "Viewpoints" inspires discussion amongst you, the RIT community. To suggest an idea for a column, e-mail to newsevents@rit.edu.

by Jeannais Brodie, director, Residence Life



Jeannais Brodie

I love this time of the year. For me, it's both invigorating and consuming. There is a definite need for reflection in order to understand and appreciate the true value of what has been accomplished, even as I look forward

with hopeful anticipation to the next academic year and greeting fresh new faces. This is a hectic time when all of us within the academy begin to bring closure to the current academic term and prepare for the next.

It's the same for many of our students. They reflect on their experiences here, both in and out of the classroom. Students are considering where they will work for the summer or where they will land their first job to begin their professional careers. As they make these assessments, they reflect on what they have learned. "Will I find that the things I have learned are really helpful in the 'real world?'" they wonder. They consider what made the greatest impact on them and what they will remember most. Usually it's a special

faculty or staff member or a particular event with peers. "People," students say, "make the most difference and have the greatest impact on our learning. That's what stands out in stark relief to everything else."

In a classroom setting, students learn important facts and information. They are taught how to think creatively, critically, and manage and analyze data. They learn theory and applications for communication, organizations and human behavior, among others. Through residential living experiences, club activities, co-ops and service and class projects, students refine many critical "real world" skills. These out-of-class environments have become extended-learning laboratories, places to practice, apply and perfect skills relating to time management, healthy living, effective resource use and working and communicating effectively with diverse groups of people. Students also learn how to adapt to constant change, work through and resolve conflict, and plan and effectively execute ideas.

They learn that it's not only the technical knowledge and skills derived from the classroom that are so vital to their success on the job, but it's also their ability to understand their environments and work effectively with people. At the university, they learn that they must be able to quickly access and process information, synthesize large

amounts of disparate data, critically analyze and then apply it in the proper context. But, the world they face after college is far more technical, complex and multidimensional.

At a national conference in 1995, Dr. Barry Munitz gave a talk in which he described the information explosion of our time. Quoting Dr. Jim Applebury, former president of the American Association of State Colleges and Universities, "The sum total of humankind's knowledge doubled from 1750-1900. It doubled again from 1900-1950, again from 1950-1960 and yet again from 1960-1965. It has been estimated that the sum total of human knowledge has doubled at least every five years since then and by the year 2000, 97 percent of what is known at that time will have been discovered or invented within the last 40-50 years. It is further projected that by 2020, knowledge or information will double every 73 days."

One awesome fact about learning today is the realization that even before a student graduates, every piece of factual data will become obsolete. The most that we can hang on to is that each time a theory is applied, we'll have new theories and new information to gather. Today every situation becomes an opportunity to update what we know. In order to remain "current," we must be in a constant mode of learning throughout the course of our lives. "Lifelong learners" are more of a reality today than ever before.

With all this in mind, it's important for young people to realize that their education, in many ways, is a crucial privilege. As a result, they are obliged to make a contribution to their communities. The purpose of learning in the 21st century will not simply be knowledge for knowledge sake, but learning that will uplift humankind and advance society at large.

'99 class gifts—fundraising in full swing

Seniors from several RIT colleges have decided to make their mark on campus by donating class gifts. Students in the College of Business, Kate Gleason College of Engineering, College of Science, printing school in the College of Imaging Arts and Sciences, and the electrical, computer and telecommunications engineering technology department in the College of Applied Science and Technology have begun fundraising efforts.

The class of 1998 from the College of Business started the class gift tradition last year with a new television and satellite system with business programming. This year's graduates hope to raise \$2,000 to purchase a replica of the RIT/USA Today Quality Cup and display case for the COB lobby.

Seniors in the College of Engineering are raising money to buy a sign for the Gleason Building, which is undergoing

extensive renovations to be completed by fall 2000.

The College of Science class of '99 is planning to purchase a plaque inscribed with information about the symbols carved in the granite floor of the Bruce and Nora James Atrium, Gosnell Building. The class will also set up an emergency fund for students.

Students in electrical, computer and telecommunications engineering technology are raising money that will go toward a department sign in the new CAST building now under construction.

And finally, students in the School of Printing Management and Sciences are throwing pies and raising money to purchase a new school sign to be installed when the school's relocations are complete.

For more information about class gifts, or to make a donation, call Alison Quick, associate director, Annual Giving, -5017.



CLEANING UP FOR A CAUSE. . . . Over 30 RIT community members pitched in for another successful Hillside Clean-up, April 24. Shown here, RIT Greeks volunteer by planting trees at the Liberty Hill campus. Participants at the annual event also cleared paths to create hiking trails.

1,000 area children flock to Peace Conference

The power of speakers lies in their resonance to listeners. In the case of Arun Gandhi, grandson of Mahatma Gandhi and founder of the Gandhi Institute for Nonviolence, nearly 1,000 area school children, teachers and volunteers heard his eloquent urging for elimination of "passive violence," and for controlling anger and "moments of madness" such as the rampage in Littleton, Colo.

Gandhi spoke April 27 at the 10th annual Education for Peace Conference hosted by RIT, co-sponsored by the College of Liberal Arts. His talk, "How to Make Right Choices in Life," followed his grandfather's belief that "real peace in the world" must begin with the children.

Kicking off the day of workshops for



Phototechnology major Jennifer Aites with fellow student and Peace Conference volunteer Ted Wong could barely wait for Arun Gandhi and his wife to finish signing her book.

children of all ages, representatives for the county executive and mayor proclaimed April 26-May 1 Peace Week in Rochester and Monroe County. And in his welcome to hundreds gathered in Ingle Auditorium, RIT President Albert Simone said, "Globally, locally, we have to learn how to create peace . . . for the survival of civilization and the planet."

Schumer and Johnson (from page 1)

accessible government one of his top priorities, making more than 4,000 public appearances in his first term.

Johnson has been instrumental in launching a number of new initiatives aimed at positioning Rochester as a viable and vibrant "Renaissance City." He has focused on improving the quality of life for all city residents through improvements in public safety, economic development, neighborhood revitalization, human services and education. These efforts have led to innovations such as community-oriented policing, empowering citizens through the Neighbors Building Neighborhoods program, the development of a downtown entertainment district and a major music festival, and a "Good Grades Pay" program to help address youth unemployment.

Mayor Johnson's efforts to improve business and employment opportunities have resulted in nearly \$100 million in new investment and the creation of 1,000 new jobs over the past two years. He has also worked to attract international investment and recognition to Rochester. In 1995, he led a delegation of U.S. mayors to South Africa, and has been instrumental in developing two additional "sister city" partnerships in Japan and in the Dominican Republic.

Prior to his election as mayor, Johnson was president and chief executive officer of the Urban League of Rochester for 21 years. He received national recognition for developing a community-wide initiative to improve the quality of education in Rochester public schools. As president of the Urban League, he established the Salute to Black Scholars program to recognize outstanding academic achievement among African-American high school students, and the Black Scholars Endowment Fund.

In 1993, Johnson held the Frederick H. Minett Professorship at RIT. This profes-

sorship brings distinguished members of the Rochester community to the campus to share their expertise and experience with students. Johnson's course focused on urban issues, and he engaged students in a "think tank" to develop some of the concepts that he had outlined in his Blue Print for Action, an action-oriented agenda for neighborhood reinvestment, police and community relations and urban economic development.

Throughout his career, Johnson has received more than 100 awards, citations and honors including a Vernon E. Jordan Jr. Fellowship and the Whitney M. Young Medallion for outstanding service to the National Urban League, and is listed in Who's Who Among Black Americans.

Johnson earned his bachelor's and master's degrees in political science from Howard University in Washington, D.C.

Class of '99 statistics

RIT's student body represents all 50 states and more than 80 foreign countries.

The largest number of international students expected to graduate this year are from Croatia, followed by India, China, Taiwan, South Korea, Canada and Thailand. For U.S. students, New York leads with 63 percent, followed by Pennsylvania, Massachusetts, Connecticut, New Jersey, Virginia and California (14 percent combined); Maryland, Ohio, New Hampshire, Michigan, Vermont, Illinois, Maine and Florida at nearly 7 percent.

This year 60.5 percent of the graduates will receive bachelor's degrees; almost 24 percent, master's degrees; and almost 9 percent, associate degrees. Six students are expected to receive Ph.D.s.

Eisenhart Award Profiles

Since 1965, RIT's Eisenhart Awards for Outstanding Teaching have honored and celebrated faculty excellence. The awards recognize RIT's multidisciplinary nature, granting up to four recipients in various programs. Winners are chosen through rigorous peer review of student nominations. This year, four professors will receive the awards during the academic convocation on Friday, May 21.

The Eisenhart family, for whom the awards are named, has a long history with RIT. The late M. Herbert Eisenhart, president and board chairman of Bausch & Lomb, was an RIT trustee for more than 50 years. Richard Eisenhart continues the RIT connection, serving on the board since 1972, as chairman for six years and now as trustee emeritus.

Roberly Bell, College of Imaging Arts and Sciences



Roberly Bell

Freshman year. An amazing time filled with opportunity, learning, questions and, oftentimes, confusion and doubt. It's a time when students try new things and test their limits as they try to figure out who they are and what they want to be. And, if they're lucky, they have someone like Roberly Bell there to help them along the way.

Bell, an associate professor in the foundations department, School of Art and School of Design, College of Imaging Arts and Sciences, teaches 3-D design to freshmen—work she takes very seriously. "I feel I have a real responsibility since the freshman year is a threshold and a time of transition. A lot of things happen in that space. Students are finding out they're something they didn't know they were."

Bell spent her own freshman undergraduate year at the University of Massachusetts at Amherst. After receiving her B.F.A., she went on to study at the Tyler School of Art in

Philadelphia and then on to the State University of New York, College of Ceramics at Alfred University. There she earned her M.F.A. in sculpture. Before arriving at RIT in 1993, she taught at Virginia Tech and State University in Blacksburg, Va. In 1990, she won a Fulbright to The Netherlands. Bell also has a lengthy and impressive exhibition resumé with an annual listing of national and local one-person and group exhibitions dating back to 1983.

In addition to her work with freshmen, she teaches graduate courses in installation art and public space/public art. This is an area that Bell, who has had numerous public and outdoor site projects, says she feels strongly about. "The public realm is very much about the ability to enhance the quality of people's lives. You try to impact a community in a positive way," she says.

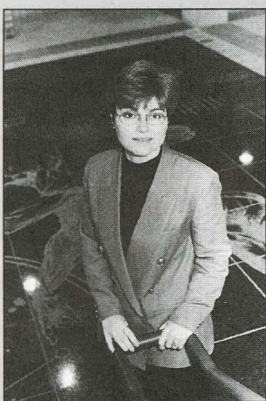
She has certainly had a positive impact on the RIT community. "Her classes, which bring together art, crafts and photography students, provide an expanded awareness of the possibilities of fine art in contemporary society. Personal and social commentary take on new dimensions in her classes on public art and installations," says Tom Lightfoot, associate professor and chair of the School of Art.

Her students speak of her ability to rouse their spirits and awaken their creativity through her own enthusiasm. Alejandro Fernandez Veraud, a graduate student in the School for American Crafts' woodworking program, took Bell's public art class. "She's very energetic and expressive and she obviously has a deep knowledge of her subject," he says. "But more than that, she has an energy. She's the kind of person that when she speaks, she doesn't just say the words. She feels what she's saying. Others have the knowledge. She has the knowledge and the feeling."

Her public agrees that Bell is true to her teaching philosophy: "To nurture the attitude of learning and experimentation is the keystone to the vigor and success of later pursuits."

As commencement approaches, Bell sees students she taught four years ago prepare to meet the challenges of the real world. "It's wonderful to be a part of this process of nurturing who these people will become. I hope that they leave with a sense of who they are as an artist and designer. My hope is that, yes, they have the fundamental, formal skills, but that they also have developed for themselves a sense of how they can impact the world around them. That they have learned to put a global perspective on things."

Sophia Maggelakis, College of Science



Sophia Maggelakis

Sophia Maggelakis makes mathematics sound like poetry. She speaks of the beauty of mathematical patterns, of math as the language that allows explanation of the cosmos.

"Math is one of the most profound expressions of human imagination," she says. "I see mathematics as art."

Her enthusiasm for a subject that is not universally popular began early. "I always liked math," says Maggelakis, associate professor in the mathematics and statistics department, College of Science. Growing up on the Greek isle of Crete, Maggelakis listened to teachers "who told me mathematics would give me a deep understanding of the world around us," and decided this was a discipline worth pursuing.

She came to the United States to visit an uncle at Virginia Beach, Va., and stayed to attend college. She received a B.S. in math with a minor in computer science, an M.S. and Ph.D. in computational and applied mathematics, all from Old Dominion University in Virginia.

The idea of a teaching career didn't occur to her until she taught her first class while in graduate school. "I loved it," she recalls.

And she was good at it. "I feel Dr. Maggelakis has a special gift for the profession," one of her students told the Eisenhart Awards committee. "Many professors give the impression that it is important to do well to please them. Dr. Maggelakis gave me the impression that it is important to do well to please myself."

Rebecca Hill, head of mathematics and statistics, concurs. "She is serious about her teaching, is always well-prepared and strives to make her teaching interesting and relevant to her students," Hill says. "She receives rave reviews from her students who literally flock to her sections."

"All of us have seen some great professors in our lives," one member of the selection committee wrote. "But some are great by themselves and some help the students to be great later in life. The latter kind has the best rapport with the students, talks to them on an equal level and draws them up to a higher level . . . Sophia had this rapport."

One of the reasons behind her success as a teacher, Maggelakis believes, is her research. "Doing research keeps me closer to my students and helps me understand their frustrations and struggles, because it reminds me how difficult it is to learn and apply a new concept."

Maggelakis' research area is mathematical biology, "one of the fastest growing, most exciting areas of mathematics." She is involved in modeling of cell growth in such areas as tumor growth, wound healing and capillary growth. Maggelakis has published numerous papers in this area, and typically gives one or more presentations each year at professional meetings.

"It's a great misconception that mathematics is the same, year after year," she says, "but there is an ongoing need to discover new techniques and new analytical methods for solving problems." The conferences offer the opportunity to learn about the latest research and new directions in the field. "I come back all excited, and I find that excitement transfers to the classroom."

Each summer, she leaves her computer behind for a visit to her family in her beloved Crete. For a month or so, she walks the rocky beach by her home and is renewed. "I'm forced to relax, and come back to RIT ready to take on new challenges."

James Mallory, National Technical Institute for the Deaf



James Mallory

It's a gift Jim Mallory didn't even know he had. Becoming a teacher never entered his mind as he jetted all over the country as a project engineer for Mobil Chemical. Little did he know the tremendous impact he would have on so many young lives when he made the tough decision to leave corporate life to teach computer technology and engineering at NTID 17 years ago.

"He's an NTID treasure," says Donald Beil, professor in applied computer technology. "Again and again, and even again, I've watched in awe as Jim Mallory pursues self-developed goals for improving instruction or enhancing student learning; in that regard, he's the most persistent faculty member that I've ever met. He knows where he wants to go with students and will not take 'no' for an answer, as he always succeeds in getting there."

Mallory wholeheartedly embraces the constantly changing technologies, making sure he and his students are always up to date.

"I've learned so many new things and feel he is the best programmer teacher," says Mallory's student, Donald Barrios Jr. "He knows many different programs! That's amazing!"

"Keeping up with technology is exciting and challenging, because it changes at light speed," says Mallory, who has authored and copyrighted software and publications on topics ranging from artificial intelligence to distance learning instruction to general trends in technology.

Mallory feels his peer interactions are as important as the books he reads or the technical conferences he attends. "I've been blessed to be surrounded by very dedicated, committed, and competent professionals. I've learned much from them."

His philosophy on teaching is simple: Know what it takes to communicate effectively with each student, and set high standards.

"If you expect a lot, you get a lot," states Mallory, who practices an open-door philosophy online with his students who need help outside of the classroom.

"Jim always gives the students positive experiences and feedback. He is always willing to sit and discuss their needs and how to help with their coursework," says colleague Vern Davis, an NTID counselor.

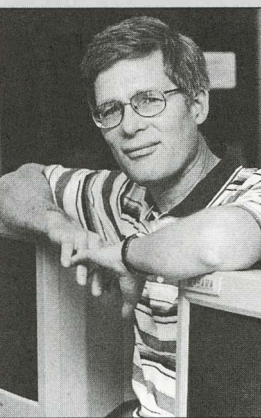
Mallory says he motivates his students by conveying his enthusiasm and passion for acquiring and sharing cutting edge technical information. But, he believes, "Knowledge is not power. It becomes power only when it is organized into definite plans of action. In addition, we as teachers need to let students make their own mistakes, and let them know that this is okay, so they can learn without stifling their creativity."

Mallory, who has spearheaded the distance learning initiatives at NTID, is excited about reaching deaf students of all ages around the globe through distance learning technology. "We've just scratched the surface with our potential in distance learning," he says.

He holds an M.S. in computer science and B.S. in electrical engineering technology, both from RIT. He has earned several grants, honors and awards for his innovations in education and his dedication to improving education.

Mallory's student support surpasses academics. He has worked with student organizations since he first joined RIT, including as a trainer for the Outdoor Experiential Education Student Leaders, faculty advisor for the RIT cross country ski team and the NTID Engineering Club, as well as coach of the Western N.Y. Empire Games kayak team.

Ken Reek, College of Applied Science and Technology



Ken Reek

Striking images of New England, the Adirondacks and the American Southwest line the walls of Ken Reek's office in the Lewis P. Ross Building.

The black-and-white and color photos are vivid reminders of what brought Reek to RIT. The computer science professor came to RIT in 1971 to study professional photography. Indeed, he received an A.A.S. degree.

"But after two years, I found I was spending all my time in the computer room," says Reek. So he stayed at RIT, receiving first an undergraduate and, in 1978, a master's degree from the fledgling computer science department.

"Things were very different then," says Reek. Computers were bulky, exotic and expensive, and few people had the foresight to predict that these devices would evolve into ubiquitous household appliances. Bill Gates and Steve Jobs had yet to make their marks—and their millions.

But Reek decided his future was in computers. He did a co-op at a Penfield company called Western New York

Computing Systems, and stayed on, ultimately becoming vice president. While working on his master's, Reek taught his first class and began a new career as a teacher.

"Organization is the key" to effective teaching, he believes. He provides students with an orderly framework, which helps keep them focused on the subject matter. Reek continually assesses what works and reflects upon what doesn't, making adjustments as needed. And he constantly strives to stay up to date—a challenge in the rapidly evolving computer world, but absolutely essential to keeping coursework relevant to students.

"He's brilliant," says Danielle Bessette, a computer science graduate student who took Reek's C for C++ Programmers course. "He teaches what you need to know, but he takes it a step further and tells you the really cool stuff. His book (*Pointers on C*) is great. I use it for references on everything."

Bruce Morton, a fourth-year computer science student, concurs. "I've attended Bucknell, Fisher, MCC and RIT," says Morton, "and Ken is without a doubt the finest teacher I've ever had. He is a rarity in the computer science field, in that he's not only a brilliant programmer, but also a master of the English language. This is my last quarter at RIT, and I'm taking three other computer classes and physics, but I'm auditing Ken's C for C++ Programmers course this quarter. The sole reason I'm doing this is because I admire his teaching."

Besides teaching, Reek is an Internet entrepreneur. He's developed two shareware programs: a word game called Crypto! and a program called PC-TimeClock that tracks how you spend your time on your computer (check out www.KMRConsulting.com).

"The purpose of doing this is to get experience I can bring back to the classroom," says Reek. Developing products is an exercise in computer science techniques, but also touches on marketing, customer relations and other real-world issues Reek can use in teaching.

continued on page 12

RIT embraces First in Class initiative to excel in the 2000s

On April 15, the RIT Board of Trustees unanimously and enthusiastically approved phase one of the First in Class initiative. Implementation of the \$42 million phase-one plan begins immediately in the area of imaging and publishing.

"A great university always distinguishes itself by having areas of excellence. We want to continue to go in this direction and First in Class will take us there," says Bruce James, a trustee and a graduate of the School of Printing Management and Sciences. "Imaging and publishing will continue to experience explosive and dynamic growth in the 21st century and this initiative ensures that RIT and its students will play a key role."

This move to push RIT to a new level as one of the country's leading universities involves the establishment of industry and government partnerships, but in a way that has never been done before. Industry partners would have a greater stake in RIT with input into curriculum development; access to students via named scholarships, internships and problem-solving teams; preferred access to RIT facilities; and by helping to set RIT's research agenda.

The benefits to students are the opportunity to gain perspective on life outside of the classroom, exposure to the strategic planning of industries and enhanced access to jobs and careers.

"RIT is perfectly poised to capitalize on our history and internationally recognized strength of successful industry partnerships," says President Albert Simone. "But if we are to continue to succeed and to graduate students who are at the top of industry, then we have to be bold. First in Class is bold. It is an initiative that will propel us into the future. It will not only

make our university the first choice for industries looking for cutting edge research and training, it will make our students the first choice to serve as leaders of those industries."

Considering the goals and methodology of the First in Class plan, it makes sense to begin the initiative in imaging and publishing—an area where RIT already has a market position, says Frank Cost. Cost, associate dean of the College of Imaging Arts and Sciences, has played a key role in developing the imaging and publishing business plan along with Ian Gatley, director of the Center for Imaging Science.

Two key areas for opportunity—integrated publishing systems and imaging devices and materials—have been identified after 18 months of research that included surveys and dialogue among RIT's own experts and with industry. Within these areas are several business lines which would become the focus of research, applications and innovations, and training and education.

First in Class planners have identified many industry-leading companies that they believe would benefit greatly by participating in this initiative. Efforts to formalize partnerships will begin immediately with the expectation that the first of many company commitments will come in June.

A search process for up to 16 new faculty and staff members has also begun. The hope is to bring the world's premiere experts, each with a command of one of the focus areas within imaging and publishing, to RIT. Whether industry leaders or proven entrepreneurs, they will be the best at what they do. In addition to sharing their knowledge with RIT students, they will be responsible for building business for the Institute through industry training and education and research.

"Once again, students will benefit through the exposure and interaction with faculty of world renown," says Cost. Two of the 16 should start their work here in July

with the others following over the next 18 months.

Starting fall quarter, 1999, a new degree program will begin as part of the First in

Class initiative. "New media" would see freshmen from three different disciplines—printing, design and information technology—completing a common first year. This emphasis on cross-disciplinary knowledge and cooperation is inherent to the initiative as a whole. In fact, implementation of First in Class within imaging and publishing will help to develop other areas. For example, information technology, identified as a future First in Class

program, will have the opportunity to grow through joint projects with imaging and publishing. In this way, IT can begin to establish its own market position in terms of industry education, training and research.

A concept plan for IT is expected to be presented at the July Board of Trustees meeting and a business plan at the November meeting. Approval of the business plan for manufacturing systems is also anticipated at the July meeting, meaning that the three initial First in Class plans will roll out before the end of 1999.

Stanley McKenzie, provost and vice president for academic affairs, emphasizes that although First in Class will focus on three specific areas to start, the benefits of the initiative will be felt throughout the university. "We expect to draw a high caliber of students as a result. The quality of faculty will be enhanced as will the support structure for external funding and equipment and gifts in kind. This is good for the entire Institute," he says.

"A great university always distinguishes itself by having areas of excellence. We want to continue to go in this direction and First in Class will take us there."

—Bruce James, RIT trustee

Class initiative. "New media" would see freshmen from three different disciplines—printing, design and information technology—completing a common first year. This emphasis on cross-disciplinary knowledge and cooperation is inherent to the initiative as a whole. In fact, implementation of First in Class within imaging and publishing will help to develop other areas. For example, information technology, identified as a future First in Class



HONORED AT RIT . . . The President of Ireland, Mary McAleese, visited RIT May 7 to receive an honorary doctorate of humane letters for her work promoting peace and commitment to civil rights and the rights of the disabled. With a deaf brother and a long-standing interest in the education of the deaf, she also toured the National Technical Institute for the Deaf's Learning Center. Left, the president's husband, Dr. Martin McAleese; right, RIT President Albert Simone.



GENDER ISSUES ACROSS CONTINENTS . . . Esther Keino, founder of the Center for Women's Studies and Gender Analysis at Edgerton University in Kenya, spoke about women's issues in Africa to a Women in Psychology class taught by Linda Kuk, vice president of student affairs. In the United States on a Fulbright Scholarship, Keino came to RIT at the invitation of Virginia Costenbader, who spent a year on a Fulbright in Kenya in 1997-98. Keino is exploring student affairs services and gender studies in the United States.

Invention ideas grow at RIT; first faculty licensing of product

Inventions come in many forms, from unusual devices to a newspaper's re-design to the latest Web software. At RIT, invention proposals have ratcheted up this past year, with more people connecting to facilities and think-tank settings in labs like RIT's Center for Digital Media.

Indeed, helping great ideas grow into successful ideas for their creators fulfills a university goal, say RIT administrators.

"A significant goal of this university is to have the public make use of our technology," says Stanley McKenzie, RIT provost and vice president for academic affairs. "Technology transfer is a key component to an institution like RIT. Our students, our faculty and industries who work with us all learn and benefit from that symbiosis."

Marjorie Zack, director of grants, contracts and intellectual property, adds, "What

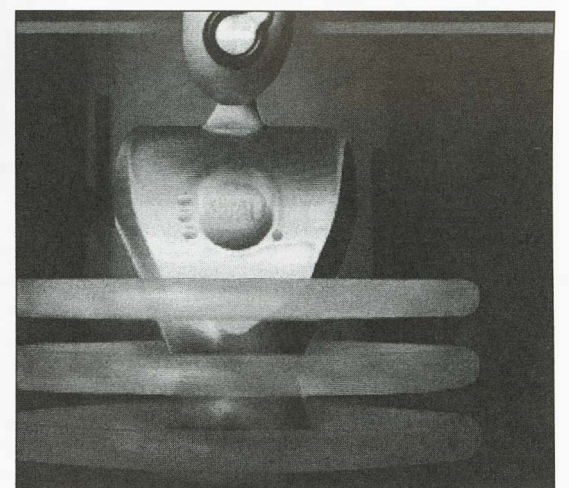
we have at RIT is intellectual capital in people who know things, who create new devices and processes, added to excellent facilities that help develop ideas into products that may have commercial potential."

With a new focus at RIT this year, its own faculty and staff have been producing more and more intellectual property.

In fact, says Zack, "We're happy to announce our first licensing to a faculty start-up company—New Media Interactive Corp.—which has developed a fantastic CD-ROM for industry use in gaining control of the software development process." The CD-ROM—*The Interactive CMM (Capability Maturity Model)*—was designed by an RIT team of faculty and staff who have started a company to market the CD. The product, which took about 10 months to complete, demonstrates how cutting edge facilities and brain trusts can bring forth an idea.

The interactive CMM, a six-hour self-paced training program utilizing human design factors, tells a story through a computer instructor and two voice-only human characters. CMM began as a concept created by Carnegie Mellon University's Software Engineering Institute in the mid 1980s. Its purpose is to give companies a way to better manage their software development. "It's about documentation, communication, a plan—a map, which companies should reference as they mature in software processes," explains Malcolm Spaul, one of the five owners of New Media Interactive and director of RIT's Center for Digital Media.

The CMM CD-ROM project began with needs expressed by Xerox Corp. whose Engineering Excellence Institute funded the project. "We knew that the key to making this work was to engage the audience," says Spaul, noting the CD has three hours



The Interactive CMM CD-ROM cover art

of audio files. Hi team mates are Mike Yacci, Tim Wells, Nancy Doubleday, Steve Kurtz and Aaron Cloutier.

It says a great deal about the Center, in that it allowed a product like this to come into existence, asserts Zack. "We can also help link people to other resources like High Technology of Rochester and its Lennox Technology Enterprise Center," she adds.

In terms of on-campus invention proposals, projects submitted this year to RIT's newly formed Intellectual Property Policy Committee cover a wide range of areas, notes Bruce Oliver, chair of the committee and professor in RIT's College of Business. "We've seen invention disclosures for work in optics, plastics, robotics, manufacturing processes and software design.

"Part of our mission is to get the word out, to encourage groups and individuals to come to us and let us explain some of the processes and legal dimensions in intellectual property development," he says.

To find out more about intellectual property, contact Zack at -7525 or mkzgcip@rit.edu.

Productivity Grant topics range across diverse areas

Selected from dozens of submissions, 22 faculty proposals won Provost's Productivity Grants for 1999-2000. The grants committee gave priority to projects designed to help implement RIT's Strategic Plan, focusing on innovative pedagogy, retention strategies, interdisciplinary learning, diversity issues, reaching learners more effectively and/or asynchronous learning.

This year's winners will share \$125,000 in funding for their projects. The winners and their proposals are: Sam Abrams, Beyond the Web Page; Ronald Amberger, LAN and Internet Access to Mechanical Technology Labs; Donna Cullen, Self Course in Copyright Law; Dick Doolittle/Paul Craig, Drugs in Science and Society; Paul Hefner, Deep-Sea Biology; Matthew Isaak, Lab Assistant in Depth and Motion Perception; Seung Kim, Multimedia-based Laboratory-Manual Development in a

Distance Learning Course; Stephanie Maxwell, Image-Movement Music; Vic Perotti, Asynchronous Distance Learning of Business Computer Applications; Roberley Bell/Kari Horowicz/ Roger Remington, Talking Walls; Marla Schweppe/Johnny Robinson, Developing Distance Learning Courses in Beginning Animation; Ed Stockham, Development of a Web-based, First-Class Course in Travel Destinations; John Klofas, Facilitating Student Education and Faculty Research by Creating Access to Archived Data; Simon Ting, Web Tools to Facilitate Creation of Interactive Web Sites to Support Instruction at NTID; Al Titus, A Problem-based Learning Approach to EE352 Circuit Analysis; Nancy Wanek, Genetic Counseling Curriculum; Carol Whitlock, Distance Delivery of a Technology Survey Course; and Mike Yacci, Needs Assessment Learning Environment.

May 17 art walk-through

Come see the work of up-and-coming craft artists during walk-through from 9 a.m. to 3 p.m., May 17, throughout the James E. Booth Building. All of the departments in the School for American Crafts will participate as well as students in the painting and illustration programs. In addition to student work, models and sketches, visitors can see various demonstrations, including glass blowing and forging. Students will also host a barbecue open to the public in the crafts village behind the ceramics studio.

Student art in Bevier

Before the school year comes to a close, Bevier Gallery hosts one final exhibit. The Undergraduate Student Honors Show highlights work selected by faculty which represents the best of all the programs in the School of Art, the School of Design and the School for American Crafts. The exhibit opens May 24 and runs all summer long. For more information, call -7680. Summer hours at Bevier, beginning May 24, are 9 a.m. to 4:30 p.m.

Criminal justice awards

Two criminal justice juniors—Adam Histed and Jennifer Montante—have won the annual Richard Lewis Scholarship awards. Lewis, a long-time chair of the program who died suddenly in 1997, was known for his devotion to students. The department celebrated the winners on May 14, also the granting of the first Outstanding Contribution Award in the Criminal Justice Field, which went to Judge Joseph Valentino.

Brick City fall party

Here's a reminder to the RIT community, especially grads and their families: The 1999 Brick City Festival, incorporating family, alumni and student weekends, will be held on campus Oct. 8-10. Bustling with activities, the festival will include entertainment, alumni receptions, faculty presentations, Stonehurst Capital Invitational Regatta and more. For more information, call RIT's Office of Alumni Relations, -2586, -2764/tty.

Red Cross kudos to RIT

RIT has earned the Life Share Bronze certificate from the New York-Penn Region of the American Red Cross Blood Services. The certificates go to organizations in recognition of outstanding blood donations. "RIT is now entering its 13th year of giving," says Jim Papero, chair of RIT's Wellness programs and blood drive coordinator. "There are some RIT faculty and staff members who have given blood every year, and others who give at each blood drive." SAU lobby. For a complete list of events and entertainment, stop by the Center for Campus Life or College Activities Board office. For more information, call -2509 v/tty.

Students build Web site for local public library

Patrons of the Henrietta Public Library can soon use library facilities and find out

worked to make it usable to everybody," he said, adding, "I've learned a lot about site management and technology. It's been pretty valuable."

Visitors to the site (when completed, it will be online at www.hpl.org)

won't notice the most remarkable aspect of the project. Lawley says Swart wrote a

program that will make it easy for library staffers to update the information on the site online through a Web-based interface that lets them edit plain-text files. That means the site will be easy to maintain and expand.

"None of this is cast in stone," she notes. "That's the beauty of a Web page."

RIT IT students have developed pages for other nonprofits such as the George Eastman House, Strong Museum and the Women's Heritage Web site for the women's rights convention's 150th anniversary.

Henrietta library will be one of the first in the Monroe County Library System to have an independent Web site, thanks to RIT students.

about library events and services via a Web site constructed by four RIT information technology students.

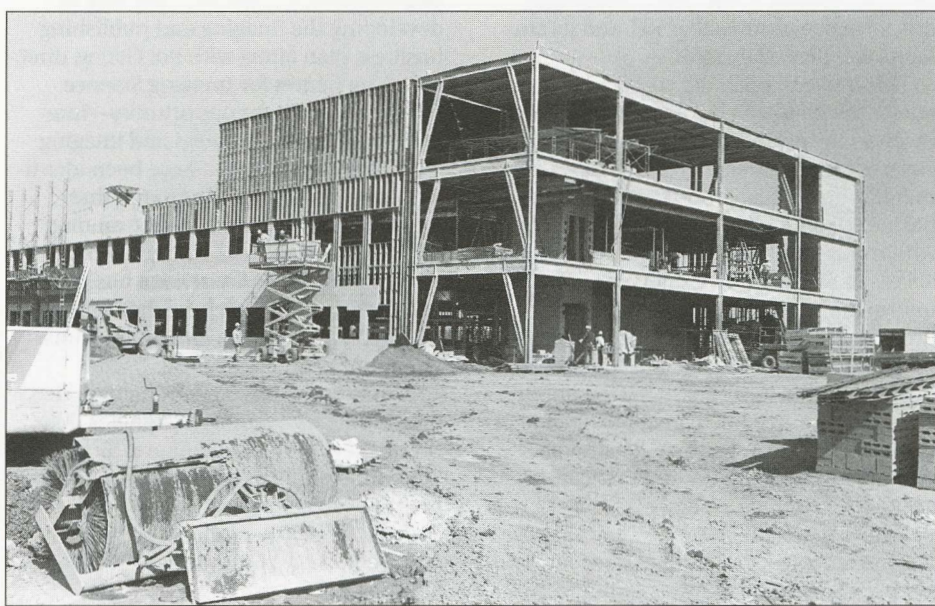
Working on an independent study project with professor Elizabeth Lane Lawley, students Joyce Brubaker, Ross Karchner, Geoff Silkey and Nathan Swart developed the site this quarter. Their work will make the Henrietta library one of the first in the Monroe County Library System to have its own independent Web site.

"We wanted to extend our presence in the community," says Pat Bernhard, library director. "The expertise that we've been able to tap into and have had volunteered to us has been immensely valuable."

For the students, this was an opportunity to work with a real-world client, which is quite different from doing a project to fulfill a class assignment. In particular, noted Geoff Silkey, they learned to accommodate the needs

of users who don't have access to the latest hardware and the fastest Internet connections, and who don't have extensive technical expertise or unlimited time to learn new technology.

"We're pretty spoiled at RIT," says Silkey, who learned a new program to develop the colorful "kids" page for the site. "We



TAKING SHAPE... Come September, this will be the home of several departments of the College of Applied Science and Technology. Electrical, computer and telecommunications engineering technology and manufacturing and mechanical engineering technology will be on the first floor, with information technology filling the second floor. Located between RIT's Center for Microelectronic and Computer Engineering and the Center for Integrated Manufacturing Studies, the 50,000-square-foot building was designed by SWBR Architects of Rochester, with construction management by The Pike Co.

RIT transportation department moves people in all weather



Representing RIT's people movers—Gary Caton, parking/transportation manager, with drivers Katie Willson, Cindy Johnston and Sunsurrye Westbrook

More than 350,000 miles logged in a year and nearly 300,000 riders in fall, winter and spring quarters—those impressive numbers give just a glimpse of the scope of RIT's transportation operations. Gary Caton, parking/transportation manager within Campus Safety, says their operations encompass "everything with wheels."

The department employs five full-time drivers and 30 part-time student drivers to keep its fleet of five shuttle buses and escort vans on the road nearly 365 days a year. During the academic year, buses run from 6:40 a.m. to 11:45 p.m., moving 2,000 students each day from the apartments and residence halls to the academic center

of campus and back again. The escort van operates every half hour, from 11:30 p.m. to 4 a.m., bringing students to and from various academic and residential buildings and apartment complexes.

"Our mission centers on providing students with safe, reliable and timely service to and from classes," says Caton.

The department also operates a mobility-impaired van, which parallels all other bus services.

Caton notes they also provide services for student shopping and entertainment. "We operate the 'movie/mall shuttle' from 6 p.m. to 2 a.m. Thursday through Sunday evenings, making a trip from the Student

Alumni Union to Southtown, Marketplace, Borders, Wegmans, Marketplace Cinema, Regency Theater, Movies 10 and Jefferson Plaza, every 40 minutes," he says.

With a lot of contact with students, Caton says drivers get to know their riders very well and often receive positive feedback from the students.

The department coordinates off-campus charter transportation and has six 15-passenger vans available for student and academic use. The department offers driver training and certification for anyone interested in driving the vans.

In addition, the department runs a monthly defensive-driving course that can lead to a 10 percent insurance discount and a 4-point driving record reduction in New York state.

Updated bus schedules are available by calling transportation at -7300, or via Web page at www.rit.edu/~206www/transportation.htm.

Caton praised the drivers for their professional and dedicated service in providing safe, reliable and timely service to the RIT Community regardless of weather or road conditions.

Online committee works on "aggressive" Year 2000 plan

With a new Web page design for RIT ready to roll, and plans under way for the development of an internal portal for on-campus users, Diane Barbour, chief information officer, says RIT's On-Line Committee is also working on an aggressive Year 2000 agenda. The committee's plans for the coming year focus on establishing electronic commerce applications, expanding the virtual union concept, adding new features and capabilities for alumni, and possibly exploring database publishing.

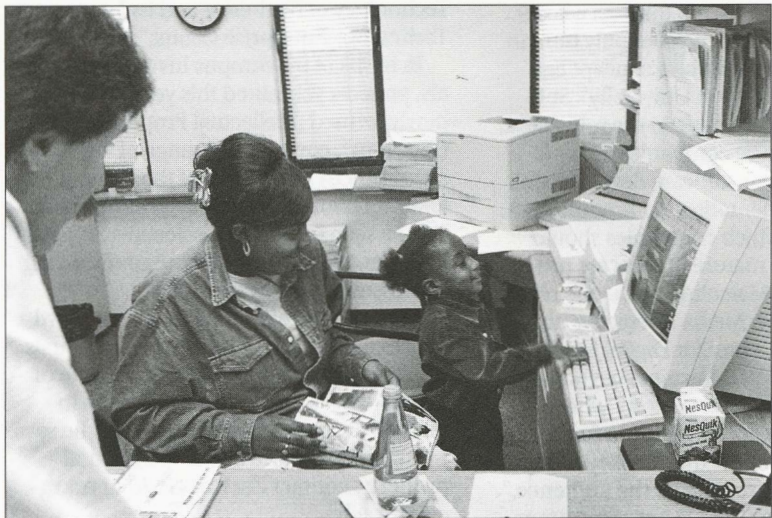
Barbour says the committee will continue to insure Web visibility from all areas of RIT, including important target areas that as yet have no Web presence. The committee hopes to organize designated Web personnel from each area of RIT and provide training and seminars.

Wallace Library and Information Systems and Computing cooperate on a weekly series of seminars held every quarter to teach Web development skills. In

addition, Dower Chin, webmaster, and Chip Goines, ISC software specialist, are developing a Web certification program designed for students, faculty and staff who create or maintain departmental sites. The program will allow campus departments to have greater confidence in hiring Web developers and to promote a consistent look and feel to RIT sites.

The online committee also works with the Educational Technology Center's Web development service that helps build department Web pages. Most recently, the Student Affairs Division and the College of Liberal Arts have contracted with ETC to upgrade their complete sites.

Other projects under way include online audio streaming of campus radio station WITR, online quizzing, installation of a live RITCAM and development of Alumni University, a gateway to a range of courses and lectures on the Web, available free to RIT alumni.



THE WORLD AT HER FINGERTIPS... Strong communication skills and computer literacy are just a few of the qualities Armani Anderson, 3, can list on her resumé. Armani came to campus with her mother, Yolanda Miles, for the national "Take Our Daughters To Work Day," April 22.

Alums win Pulitzers

RIT alums have won Pulitzer Prizes before. Five previously had won a total of eight Pulitzers. But this year's wins brought a double honor to the School of Photographic Arts and Sciences. Two alumni received the award for a photo package that they both contributed to.

Dan Loh, class of 1995, and Robert Bukaty, class of 1982, were honored along with 13 other Associated Press photographers for a collection of images documenting the events surrounding President Clinton's affair with former White House intern Monica Lewinsky and his subsequent impeachment trial. The team won in the feature photography category.

Loh's photograph captures Lewinsky along with her attorney at the time, William Ginsburg, as they headed to their car from the Wanamaker Building in Philadelphia on April 6, 1998. Loh works for the AP Philadelphia office. Bukaty, based in the Portland, Maine, office, shot a photograph of a technician in a cherry picker working on a giant video screen in Times Square. The screen shows NBC's Tim Russert commenting on Clinton's videotaped grand jury testimony.

Both men's images along with the other award-winning photographs can be viewed at www.ap.org.

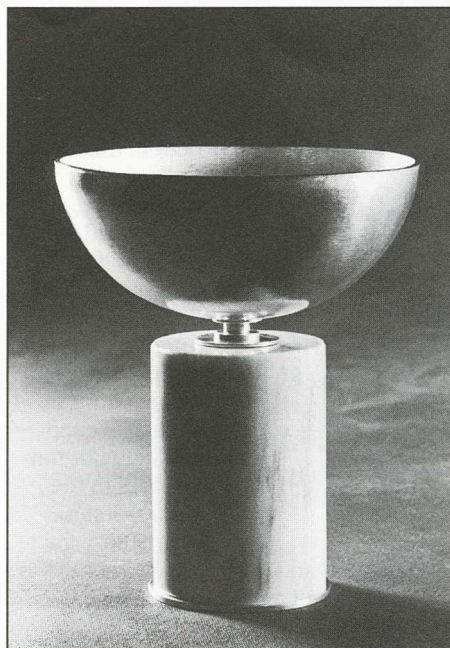
Quality Cup winners run the gamut, the nation

RIT and *USA Today* recently announced the winners of the 1999 RIT/USA Today Quality Cup competition recognizing outstanding contributions to improving quality in the workplace.

The Quality Cup went to winners in five categories:

- Government—Charlean's Angels, U.S. Postal Service/Royal Oak District, Birmingham, Mich.
- Manufacturing—The Eliminators, Lear Corp., Strasburg, Va.
- Education—Business Affairs Senior Management Team, University of California at San Diego, La Jolla, Calif.
- Service—Operation First Class, GMAC Mortgage Corp., Horsham, Pa.
- Health Care—Renal Transplant Quality Management Team, Albany Medical Center, Albany, N.Y.
- Small Business—Workplace Excellence Team, SerVend International, Inc., Sellersburg, Ind.

Additionally, 12 finalists were named: Belmont University, Nashville, Tenn.; Pearl River School District, Pearl River, N.Y.; TVA-Cumberland Fossil Plant, Cumberland City, Tenn.; National Imagery and Mapping Agency, Washington, D.C.; Department of Veterans Affairs,



RIT/USA Today Quality Cup

Washington, D.C.; Columbia/HCA ASD, Dallas, Texas; Sonoco, Cincinnati, Ohio; Allied Signal/AES, Rocky Mount, N.C.; United States Cellular Corp., Chicago, Ill.; Merrill Lynch Credit Corp., Jacksonville,

Fla.; Plastic Molding Manufacturing, Inc., North Attleboro, Mass.; Continental/Midland, Inc., Park Forest, Ill.

For the eighth annual competition, 179 nominations came in from Fortune 500 companies, government agencies, non-for-profit groups and small businesses nationwide. The Quality Cup competition was developed by former RIT College of Business Dean Richard Rosett, director of Quality Cup programs, and the College of Business.

The Quality Cup recognizes individuals and teams who make significant contributions to the improvement of quality products and/or services in an organization by applying total quality management principles. All entries were reviewed by officials at COB, *USA Today* and a panel of independent experts from across the country.

The Quality Cup itself—a solid silver goblet suspended atop a marble column—was designed and crafted by Leonard Urso, a professor, sculptor and silversmith in RIT's School for American Crafts.

New College of Business dean: Tom Hopkins takes the reins



Thomas Hopkins

On May 1, Thomas Hopkins was named dean of RIT's College of Business after an eight-month term as interim dean. A wider search process for a permanent dean was discontinued on the recommendation of RIT officials, trustees, faculty, staff and students. Hopkins was asked to assume the role of interim dean on Sept. 1 when Lyn Pankoff resigned.

Hopkins is also an adjunct fellow at the Center for the Study of American Business, Washington University, in St. Louis. From 1988-99, he was the Arthur J. Gosnell Professor of Economics in RIT's College of Liberal Arts, and has taught in the M.B.A. program at the U.S. Business School in Prague, Czech Republic, from 1992-98. Hopkins will retain his tenure and rank as

a professor in CLA, but has resigned from the Gosnell professorship.

"It's a unique privilege to serve as dean at this particular juncture in the college's history," says Hopkins. "Against the backdrop of rapid changes in technology and vigorous global competition, the College of Business is adding new faculty and programs that will give our students a special edge in the creative management of people and technology. All in all, it's a great opportunity for a new dean."

In March, a congressional committee invited him to testify on proposed regulatory accounting legislation, and he acts as an adviser to the U.S. General Accounting Office on business regulatory issues. His research on business burdens of government regulation have led to several consulting assignments and he has been quoted in *The Wall Street Journal*, *Christian Science Monitor* and *Forbes*.

Before coming to RIT, Hopkins held senior management positions in two White House agencies during the Ford, Carter and Reagan administrations, and in 1979 President Carter appointed him a charter member of the federal government's Senior Executive Service. In the early 1980s, he served as deputy administrator for the Office of Information and Regulatory Affairs, a division of the Office of Management and Budget.

"Tom is highly qualified for this position and has served at an outstanding level as interim dean during this current academic year," says Stanley McKenzie, provost and vice president for academic affairs. "I wish him all the best as he continues to confront the numerous challenges and opportunities facing the College of Business."

Nancy Fein elected president of RIT Alumni Network

College of Science 1976 alumna Nancy McKee Fein, corporate manager for Toyota Motor Sales U.S.A., has been elected president of the RIT Alumni Network's Board of Directors. Fein, who holds an M.B.A. from the University of California/Los Angeles, is the first woman to hold this position. She lives with her husband, Len, in Rancho Palos Verdes, Calif.

Fein joined Toyota in 1982 after six years as a systems analyst, then supervisor of a crew of analysts for Eastman Kodak Co. Since joining Toyota, Fein has held various national positions including retail development manager, parts supply manager, service planning and operations manager, warranty manager and service administrator. Currently, as part of a Toyota think-tank, she oversees the integration of all advertising, incentive, recognition and training/certification programs for the company.

An active RIT alumna, Fein has been a board member for several years. She also serves on the Rancho Palos Verdes Parks and Recreation Board and volunteers with the local school system.

According to Nathan Robfogel, vice president of university relations at RIT, "Nancy embodies our primary mission at

RIT: Training students for outstanding careers. She achieved her quality education here, ran with it and keeps moving forward with great success."



NO GUTS, NO GLORY... In the spirit of competition, camaraderie and good "clean" fun, the annual College of Business Olympics allows students, faculty and staff to interact outside of the classroom through a series of activities. The wheelbarrow race event held April 15, shown here, forced faculty members and students to get down 'n dirty in the grass. Other Olympic events included "Win, Lose or Draw," horseshoe toss and volleyball.

"Best Fest" of films

For a post-commencement treat, check out The Cinema and the "Best Fest," RIT's Film/Video/Animation Honors Show. The annual collection of the 20 best graduate and undergraduate productions runs 2 p.m. Sunday, May 23, at the downtown theater, 957 South Clinton Ave, for only \$3. Film types include fiction, documentary, animation and experimental. "The films just keep getting better. That's all I can say," says Adrienne Carageorge, assistant professor, School of Photographic Arts and Sciences, who helps select the honors films and videos each year.

Java Challenge

RIT's computer programming wizards took third place in the Visual Age Java Challenge, held in conjunction with the 23rd Annual ACM International Collegiate Programming Contest. The team of three RIT computer science seniors was one of 62 teams from all over the world competing at the ACM event April 8-11 in Eindhoven, The Netherlands. RIT won an honorable mention in the main competition, sponsored by IBM. "This was the top of the top," says coach Paul Tymann, assistant professor, computer science. "The competition was very tough."

United Way success

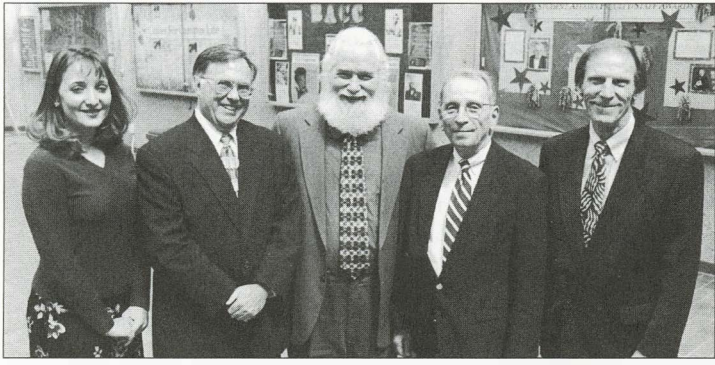
The RIT community came out in full force to make this year's United Way campaign an overwhelming success, exceeding the goal. To date, \$240,180 has been raised, more than ever before. RIT's participation rate increased by 4 percent to reach 60.4 percent. About 100 volunteers came out for the Day of Caring, and Margaret's House, a donor choice for the first time, received more than \$5,000 from RIT faculty, staff, retirees and Athenaeum members.

Drug war panel held

Over 30 people attended the April 27 open forum, Does the Drug War Work?, sponsored by Students for Sensible Drug Policy, a student group committed to education about harmful results of the War on Drugs. Audience members engaged law enforcement officials on various drug policy issues. Speakers included Peter Christ, a retired police captain, and Larry Crawford, an investigator with the Monroe County Sheriff's Department. John Klofas, RIT criminal justice chair, moderated the discussion, which WHAM radio recorded. For information on the student group, go to www.rit.edu/~cmm5533/ssdp.

1999 Award Recipients

Golden Key National Honor Society RIT inductees



Golden Key inductees met RIT chapter president Jessica Sparrin (left). Faculty/staff inductees were Tom Fredericks, J. David McCloskey, Jamie Campbell, Fred Smith and Deborah Kingsbury (missing from photo).

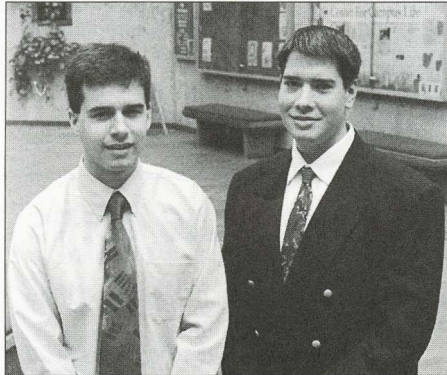
Golden Key National Honor Society celebrated its second year on RIT's campus with induction ceremonies held April 18. More than 170 students and five honorary faculty/staff members including Tom Fredericks, College of Science; J. David McCloskey, Interpreting Services; Jamie Campbell, College of Liberal Arts; Fred Smith, secretary of the Institute and assistant to the president; and Deborah Kingsbury, College of Business, were cited by Golden Key chartering officers and committee members.

Student membership in the society is limited to juniors and seniors in the top 15 percent of the class.

During the ceremony, Golden Key Undergraduate Scholarships went to Adam Histed, a third-year criminal justice student in the College of Liberal Arts, and Michael Piorun, a fifth-year computer

engineering student in the College of Engineering.

Founded in 1977, Golden Key National Honor Society is an international, nonprofit organization with 245 collegiate chapters at major universities in the United States, Puerto Rico, the Virgin islands and Australia. Golden Key has more than a half million lifetime members including presidents Clinton and Reagan, Nobel prize winner Elie Wiesel and presidential hopeful Elizabeth Dole.



Golden Key student scholars Michael Piorun and Adam Histed

RIT outstanding adults take Rochester area honors



RIT Outstanding Adult Students Cheryl Craw, Sheri Scavone-Calieri and Paul DeSanctis (absent)

Three RIT students number among 33 Outstanding Adult Students honored as a select group of scholars this year, chosen from 11 Rochester area colleges. Each college chose three winners based on success in achieving academic excellence while managing family, career and community commitments.

RIT's winners—Cheryl Craw, Paul DeSanctis and Sheri Scavone-Calieri—overcame diverse time, family and job pressures to work toward degrees in business, health systems administration and

computer engineering, respectively.

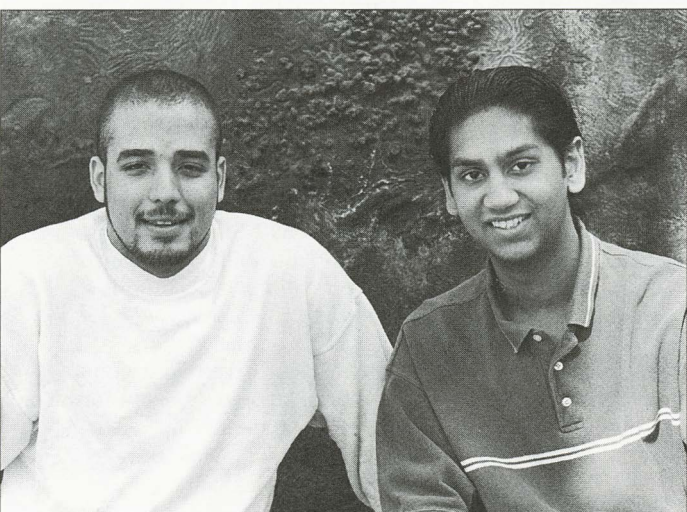
Craw, with three college-age children, looks forward to earning a bachelor's degree in hopes of becoming a buyer for Wegmans, her 20-year employer. Limited to one course per quarter, she believes that "something worthwhile deserves extra effort, and if you make a decision to do something, you only do so if you plan to give it your very best."

En route to a master's degree via distance learning, Scavone-Calieri aims to complete it in 22 months. Add that goal to her duties as director of rehabilitation at Lockport Hospital and vice president and chief operating officer for Western New York Physical and Occupational Therapy Group. She notes a twinge of guilt over time away from her family, but hopes her work habits and perseverance set an example for her children. Through it all, she says, "people don't care how much you know until they know how much you care."

Returning to RIT for a master's degree has proved a "different experience" than undergraduate days for DeSanctis, a 1986 electrical engineering alumnus with a wife and four young children. Aiming to "take his hardware and software skills to a higher, more theoretical level of understanding," DeSanctis strove to balance work at Eastman Kodak Co. with home and school. When his three-year-old put on his backpack one day saying, "Daddy, I go to school and study," he decided he made the right decision.

OUTSTANDING INTERNATIONAL STUDENTS...

RIT's International Student Scholarship Committee recognized two international students who have made special contributions to campus life. The winners of the Outstanding International Student Service Award are Daniel Perez, a fourth-year student from Venezuela, and Anand Subramanian, a third-year student from Thailand; both study informational technology in the College of Applied Science and Technology.



SPECIAL RECOGNITION... The Special Services program of RIT's Learning Development Center held their annual recognition awards April 28. The Bennett Scholarship, a recognition given to students with disabilities, was just one of many awards presented. Pictured here is Marie Giardino (left), director of the program, with seniors honored during the luncheon. The students are Scott Sutton, fifth-year information technology; Melissa Arone, fourth-year graphic design; Alicia Zetina, fourth-year biomedical photography; Walter Kasic, fifth-year mechanical engineering technology; and Ray Cote, fourth-year applied photography



EXCELLENT EXPOSTULATORS... An event of oration and rhetoric showcased the talents of persuasive speaking contest finalists Kelly Feiner, left, Randi Silberman, center, and Randall Buermann. A photography major, Silberman took first place with "Death Penalty." Both biology majors, Buermann won second for "Treatment of Violent Juveniles in America" and Feiner placed third for "Corporal Punishment: Is it Effective?" The professional and technical communication program sponsors the campus-wide contest, which occurs thrice a year with different speech requirements.

SCIENCE SCHOLARS...

The John Wiley Jones Award for Outstanding Students in Science went to (from left) Timothy Stewart, mathematics and statistics; Jeffrey Chabot, physics; Diane Kucharczyk, imaging science; P. Brett Kurowski, biological sciences; Phoebe Kwan, chemistry; and Dennis Friends, allied health sciences. Marjorie Jones (right), daughter-in-law of the late John Wiley Jones, participated in the awards ceremony. The awards, based on academic achievement and service to the college, are presented to one student in each of the College of Science departments. The awards, which have not been presented since the last John Wiley Jones Symposium in 1996, now will be awarded annually.



Phi Kappa Phi celebrates new members at RIT



Phi Kappa Phi honorary members, shown here, are Marianne O'Loughlin, Patricia Sorce, Charles Haines, Anne Coon (RIT chapter president), Marcia Birken (RIT chapter vice president) and Laura Cann.

RIT's chapter of Phi Kappa Phi inducted 58 students and four faculty/staff members during a ceremony April 15. A renowned national honor society recognizing scholars in all disciplines, Phi Kappa Phi celebrates its 28th year on RIT's campus.

This year the four faculty/staff members inducted were Marianne O'Loughlin,

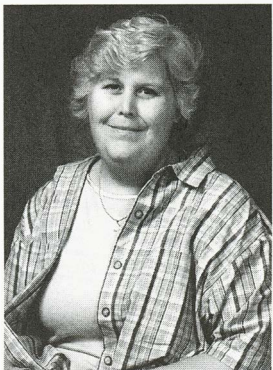
assistant professor, College of Imaging Arts and Sciences; Patricia Sorce, associate dean, College of Business; Charles Haines, mechanical engineering department head, College of Engineering; and Laura Cann, director, RIT Counseling Center.

Honorees will wear a blue-medallioned ribbon during commencement ceremonies.

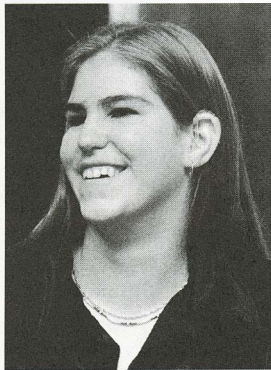
Admission to Phi Kappa Phi is by invitation only for seniors in the top 10 percent of their class and juniors in the top five percent of their class. Graduate students, faculty members and alumni may also be inducted, based on scholarly distinction.

1999 Award Recipients

1999 Clare Booth Luce winners announced at NTID



Dawn Denny



Sara Gould

Dawn Denny and Sara Gould have won the 1999 Clare Booth Luce Scholarships, announced National Technical Institute for the Deaf Dean T. Alan Hurwitz.

Made possible by a gift from The Henry Luce Foundation of New York City, the awards aim "to encourage women to enter, study, graduate and teach" in fields where there have been obstacles to their advancement.

Both Denny, a third-year biomedical computing student in the College of Science, and Gould, a second-year mechanical engineering student in the College of Engineering, exceeded the scholarship criteria for deaf women students matriculated in science or engineer-

ing baccalaureate degree programs.

Denny, a New York State Certified Emergency Medical Technician-D with RIT's Ambulance Corps and the Henrietta Volunteer Ambulance Corps, volunteers as a tutor for the residents of a local domestic violence shelter.

Gould, a 1998 Presidential Scholar, rows on RIT women's crew, is president-elect of the Student Music Association and plays saxophone in the Timestompers Band.

She also works as a student aide in the music classroom, serves as Web artist for an NTID department and volunteers teaching skiing to handicapped persons. She has recently applied for the combined B.S./M.S. engineering program in the College of Engineering.

"Dawn and Sara possess that rare combination of skill, talent and caring for others," Hurwitz says. "We are particularly proud to be able to award these scholarships to two such remarkable women."

The scholarships were established to honor the accomplishments of deaf women students who embody the "renaissance spirit" of the late journalist, diplomat and politician Clare Booth Luce.



REMARKABLE STUDENTS . . . Alpha Sigma Lambda Honorary Society inducted 25 new students this year. The students were honored at a dinner April 28 at President Simone's home. The honorary society inducts new members every year based on scholarship, active participation and contributions in activities and leadership in academic and co-curricular student activities. This year's honorees are, alphabetically, William Applebaum, Mark Biscone, Nancy-Lynn Burgos, Kacey Anne Chrisman, Jennifer Clements, Trina DeSare, David Dreese, Qi Feng, Rebecca Galinski, Ronald Goldberg, Nathaniel Gould, Edgard Graterol, Jamie Greco, Howard Hao, Kelli Hoppe, Anna Kobylinska, Chenoa Kucera, Cesar Marquez, Derek Punaro, Jessica Sparrin, Richard Stone, Sarah Struckus, Paul Vogel, Robert Wiegand and Scott Worthington.

Three win RIT athlete-of-year awards

RIT has named lacrosse stand-out Ben Hunt and hockey star Jamie Morris its Senior Male Co-Athletes of the Year while softball captain Chenoa Kucera was named the Senior Female Athlete of the Year for the Tigers.

"All three of these athletes are exceptional in the classroom and on the field of play," says Director of Athletics Louis Spiotti. "They have outstanding leadership skills and really epitomize the RIT Student-athlete."

Hunt and Morris shared the honors in what was the most competitive field in several years. Hunt, a three-time All-American attackman for the 10-2 men's lacrosse team, is the school's all-time assist leader with 141 to go along with his 112 goals, putting his total at 253. He needs 13 points to tie the all-time school record of 266 held by Bill Bjorness. He guided the Tigers to an LCAC Championship last spring and has RIT on track for an NCAA bid this season. The three-time All-American leads the 10-2 Tigers, ranked 7th in the nation, with 26 goals and 36 assists for 62 points.

Four-year starting goaltender Jamie Morris ends his career with an 87-19-9 (.820) overall record between the pipes. During his four-year tenure he has guided the Tigers to two ECAC titles and four appearances in the NCAA Tournament including two Final Four appearances and one championship appearance. He is a three-time ECAC All-Star and was named an All-American his sophomore year. Morris wraps up his collegiate career with a record 3,275 saves.

Kucera is hitting .378 for the Tigers which set a school record with 23 wins. She has hit .351 over four years with 92 RBI, with 157 hits and 87 runs scored. She has set a school record with 41 games played and most doubles in a season (14). She also needs to score just one run and needs one more hit to tie school records in those categories. She now has 51 hits and 36 runs scored on the year. She has played in 144 games in her four-year span and holds the record for 123 assists set back in 1997. The Tigers await a bid to the post season.



EXCELLENCE IN LIBERAL ARTS . . . RIT's annual Kearses Student Honor Awards went to nine students for excellent papers in liberal arts, celebrated April 28. Pictured with Interim Dean Diane Hope, front left, are, left to right, biotechnology major Jessica Kocsis for "Siren"; professional and technical communication major Shane Feldman for "Marshall McLuhan: The Art of the Media"; criminal justice major Jennifer Gregory for "An Analysis of Solitary Confinement in the 20th Century"; photography major Andre Perreault for "God vs. God"; economics major Stephanie Quinter for "International Trade Agreements and the Absence of Environmental Protection"; and, front right, graphic design major Alexandra Guhde for "Synesthesia and Politics in Some Latin American Texts." Absent winners are: Donna Augustine, Sebastian Blum and Rick Oswald. Professor Dane Gordon presented the Kearses Distinguished Lecture, addressing "The Love of Books and Book Collecting."



DAVIS SCHOLARS 1999 . . . The annual Davis Scholarship Awards luncheon gave special recognition to students who significantly contribute to improving campus life. To the right of the group is Alfred Davis. The winning scholars are, alphabetically, Sharon Alexander, Diana Badillo, Kevin Cameron, Shannon Eddy, Alicia Fraser, Adam Histed, Shaun Hunt, Janelle Jones, Heidi Jordan, Benny Kurian, Hugh McAnany, Laurie McGregor, Kristy Mooney, Javier Orellana, Jason Schwingle, Kevin Sheldon, Alyce Smith, Carly Smith, Satnam Sohal, Gregory Yong and Amotz Zakai.

Greek '99 awards

RIT's Greek community celebrated their achievements over the past year at the Greek Awards Banquet April 18.

The 1998-99 President's Award went to Phi Kappa Psi fraternity in recognition of their involvement in other on-campus student organizations and outstanding philanthropy and community service, logging over 1,200 hours of service to St. Mary's Roman Catholic Church and Fairport elementary school, among others. The group also excelled in academics and alumni involvement.

Other awards presented that evening were:

- Greek Man of the Year, Peter Kahn, Phi Sigma Kappa;
- Greek Woman of the Year, Kathy Davis, Sigma Sigma Sigma;
- Community Service Award, Zeta Tau Alpha;
- Fundraising Award, Alpha Sigma Theta;
- Outstanding Greek Council Member, Robert Gault, treasurer;
- Panhellenic Adelpheia Award, Trisha Hunter, Zeta Tau Alpha and National Panhellenic Council treasurer.

On a regional note, RIT's Panhellenic Council won the 1999 Northeast Panhellenic Conference Outstanding College Panhellenic Award. The award recognizes sorority women for excellence in organization, recruitment improvements, judicial processes, spirit, educational programming, and communication and utilization of their national advisor.



OUTSTANDING UNDERGRADUATES . . . RIT honored 28 students as Outstanding Undergraduate Scholars in a ceremony and reception April 22. Joined by Stanley McKenzie, provost and vice president for academic affairs (top), the scholars are, alphabetically, Jessica Bigger, Vanessa Boehmke, Minki Chang, Trina DeSare, Kelly Feiner, Patrick Flaherty, Rebecca Galinski, Paul Graf, Alexandra Guhde, Rana Habayeb, Howard Hao, Charlene Harkness, Michael Hawryschuk, Jennelle Hodge, Virginia Howland, Sarah DeVries Iles, Phoebe Kwan, Chris Minella, Matthew Mroczek, Richard Oswald, Melinda Proscia, Christopher Rizzo, Patricia Schultz, Paul Shimkus, J. Elizabeth Smythe, Matthew Sommerfield, Jeremy Stein and Aysha Venjara.



GREAT WRITING AWARDED . . . For a cultural autobiography assignment, film/video student Rachel Ann Stuhler wrote a story that took Grand Prize in RIT's annual Writing Contest. Illustration senior Elizabeth Gerstenfeld won Honorable Mention in Creative Writing with a stream-of-consciousness teen's story. Pictured, from left, are Writing Director Katherine Schumacher, President Albert Simone, Provost Stanley McKenzie, Stuhler and College of Liberal Arts Interim Dean Diane Hope.

Wired classrooms will move RIT into the new millennium

Moving RIT from 34th to 21st on *Yahoo! Internet Life's* list of the nation's most wired campuses and providing the range of technology

required to serve the technical needs of one of the nation's leading universities has been a major strategic undertaking that has happened by careful design, says Stanley McKenzie, provost and vice president for academic affairs. "One of the key players in that effort has been Reno Antonietti, who retires at the end of this year as associate vice president for academic services," he says.

Antonietti says anyone who carefully analyzed key components needed to provide state-of-the-art teaching tools would find incredible resources at RIT. "There are very few other universities in the nation that can boast of the infrastructure we have—the well-equipped labs, faculty access, classroom capabilities, systems staffing support, training sessions through the library and ITS, and the Faculty Institute on Teaching and Technology, scheduled for the week after commencement," he explains.

In his view, RIT probably ranks among the top 10 universities in the nation in providing facilities and access, a view shared by Diane Barbour, RIT's chief infor-

mation officer. As an example Barbour notes the recently completed ethernet wiring of all campus academic and resi-

"Not only is RIT at the forefront of providing technology, we have taught and supported the faculty through numerous programs to use that technology."

—Reno Antonietti

dential buildings and the multi-million-dollar computer purchases required to activate the new Oracle database project.

Antonietti points to extended faculty training and the provost's initiative last year that gave 102 laptops to instructors for classroom use as just two examples of

the way RIT has decided to provide faculty with as much access as possible to computer technology.

This summer the third phase of a \$1.5 million classroom upgrade will provide another 14 campus classrooms with "plug-and-go" podiums and state-of-the-art projection capabilities. The project is funded by the Academic Affairs Division and coordinated by the Classroom Technology Group, a campus-wide committee chaired by Antonietti. By the end of the summer RIT will have over 40 classrooms capable of offering faculty the latest in technology.

"Not only is RIT at the forefront of providing technology, we have taught and supported the faculty through numerous programs to use that technology," says Antonietti.



Reno Antonietti, associate vice president for academic services, characteristically downplays his role in the technological advances RIT has made in the last two decades. "I have been very lucky to have great people working for me who have advanced these projects." Antonietti will retire at the end of the academic year, winding up 35 years at RIT.

Stanley McKenzie, provost and vice president for academic affairs, says, "While I appreciate Reno's retirement plans and wish him all the best, it is still with great regret that we will lose the continued services of a true institutional legend who has put RIT's academic services at the leading technological edge."

McKenzie recalls, "I first ran into Reno (literally) on the tennis courts in the late 1960s and have been proud to claim him as a friend ever since. I have especially appreciated his wisdom, insights and perspectives these past four years."

A 1958 A.A.S. graduate of RIT's mechanical engineering program, Antonietti returned to RIT in 1964 after a stint in the armed forces. He was RIT's first coordinator of audio-visual services for the downtown campus library. He earned his B.S. in industrial management at RIT in 1969 and later earned a master of library science degree from State University of New York at Geneseo. He was named assistant vice president for academic services in 1982 and associate vice president in 1984.

Dodge Faculty Grant

The Ronald D. Dodge Memorial Endowment Fund's Faculty Grant has been awarded to Simon Ting, instructional developer at the National Technical Institute for the Deaf. The \$1,000 grant goes annually to an RIT faculty member for research focusing on improving the effectiveness of deaf and hard-of-hearing education at RIT. Alberta Dodge established the award in 1984 in memory of her husband, a 1929 graduate of the Mechanics Institute.

Ting will develop a suite of Web server software as the basis for an online testing and evaluation system. "The system will allow faculty members to create, administer and grade their own quizzes and tests over the Web," explains Ting, a 10-year NTID employee. "Using HTML will allow students to be tested with visually interesting and appropriately complex evaluation instruments."

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MONEY TO BURN ... Approximately 3,000 adults and middle-school students from the Rochester area crowded RIT's Frank Ritter Ice Arena for the eighth annual E3 Engineering and Technology Fair April 27. Students exhibited their projects and had a chance to see demonstrations by engineering organizations, such as this one by the American Society of Mechanical Engineers. Sponsored by the Rochester Engineering Society, the fair aims to interest youngsters in careers in engineering and technology. Here, students learn about different burning points.

Social work adds new class-time offerings

Finding a way to tailor a college social work program to a busy life can prove challenging, if not impossible. Especially in a nationally accredited program with sequential structure, where each class builds on the ones before.

Now, it can be done. RIT's social work baccalaureate program offers "classes that fit," beginning fall 1999. "Students have the option of taking our classes between 8 a.m. and 9 p.m., and at more than just one time of year," says Butch Rodenhiser, program chair.

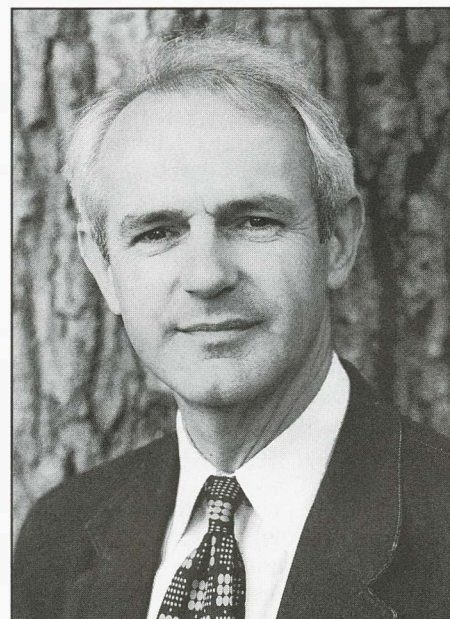
"Our society's needs require greater flexibility in higher education," he asserts. "More people are making career changes as adults, and these non-traditional students may have work and family requirements that control their daytime schedules. Our broadened class options help students fit the program to their lives."

To further help students decide on a career focus, the program offers "sampling classes," notes Rodenhiser. To explore social work as a career potential, students can take the classes, Self-Awareness in the

Helping Role and/or The Professional Social Work Role.

"We've made the program flexible, to tailor class availability to fit our diverse students' needs," adds Rodenhiser. Call 2018 or visit www.rit.edu/~694www for more information on the program.

Andrew Moore named liberal arts dean



Andrew Moore

Andrew Moore, associate dean of the Graduate School of Yale University, has accepted the appointment to dean of RIT's College of Liberal Arts, effective Aug. 16, announces Provost Stanley McKenzie.

Since 1991 Moore has served as associate dean in the Graduate School at Yale, where he has overseen graduate programs in 17 departments in the social sciences and humanities. He joined the faculty at Yale in 1983 as an assistant and then associate professor in the anthropology department. With his lifelong interest in teaching, Moore has continued classroom teaching at both the undergraduate and graduate levels at Yale.

Moore holds a B.A., M.A. and Ph.D. in philosophy from the University of Oxford and has studied at the Institute of Archaeology at the University of London.

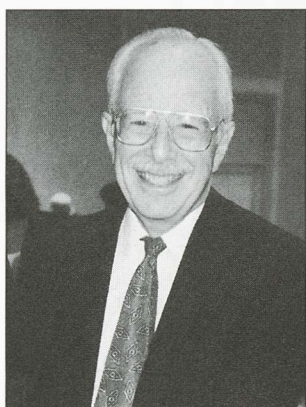
Throughout his academic career, Moore has remained professionally active in archaeology. His extensive field experience includes the excavation of Abu Hureyra in Syria, which yielded the oldest evidence of farming in the world. And as director of the Jericho Project, Moore is involved in surveying Tell es-Sultan, the site of ancient Jericho, and the surrounding Jordan Valley. He has numerous publications, has lectured widely at professional conferences and serves on the editorial boards of two journals.

"We heartily welcome Dr. Moore and his wife, Barbara, to RIT," says McKenzie. "We are delighted to have such a distinguished and accomplished leader join us; we look forward to his plans for building on the solid foundation of liberal arts nurtured by former Dean Bill Daniels."

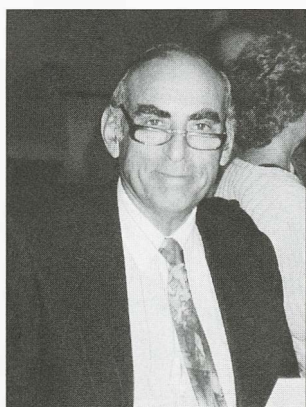
The dean's work will focus on developing new ways to advance humanities and social sciences within an institute of technology, including new graduate and undergraduate programs in CLA which capitalize on program strengths in other RIT colleges, adds McKenzie.

"RIT is an exciting place that offers its students a fine education in technology, the sciences and the liberal arts. I am looking forward to strengthening liberal arts programs in collaboration with colleagues across the Institute," says Moore. "Barbara and I are quite pleased to be joining the RIT community."

1999 Civic Medal Awards go to two of RIT's own



Peter Adelstein, Image Permanence Institute scientist and Civic Medal winner



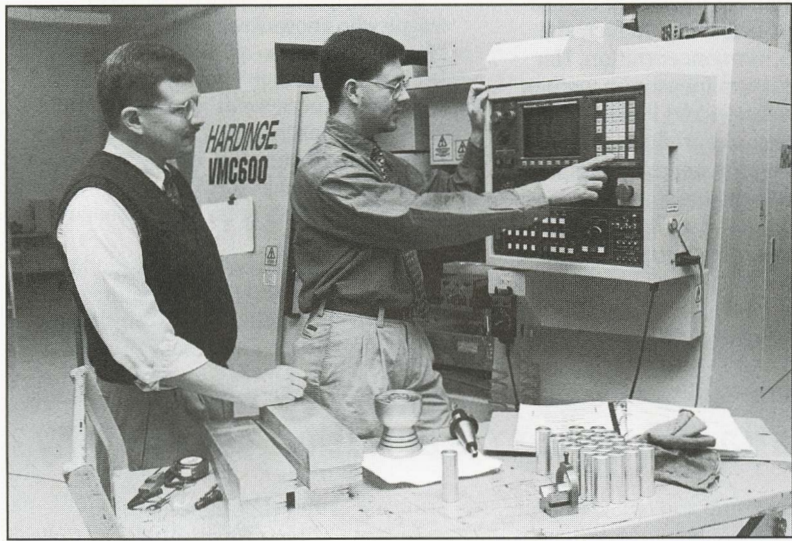
Jack Wolsky, RIT alumnus and Civic Medal winner

given April 14. Peter Adelstein, who retired from Eastman Kodak Co. and became one of the first associates at RIT's Image Permanence Institute, received the award for Science and Technology, earning praise for "a half century of technical achievement in the manufacture and preservation of film." Jack Wolsky, a 1951 art and design alumnus with work in many collections including RIT's, won the Culture and Arts award for his long history of public service, both in education and the arts.

The award sculptures were created by woodworker William Keyser, professor emeritus of RIT's School for American Crafts.

An RIT photographic scientist and alumnus numbered among the 10 winners of the Greater Rochester Metro Chamber of Commerce annual Civic Medal Awards

Brinkman Lab expects new activities, industry partner expansion



John Bausch, left, new director of the Brinkman Laboratory, and Martin Haas, facilities manager for the industrial and manufacturing engineering department, work on the new Hardinge computer-controlled milling machine.

With a new director and an array of state-of-the-art machine tools, the Brinkman Machine Tool Laboratory in RIT's Center for Integrated Manufacturing Studies is gearing up for an increased level of activity.

John J. Bausch III arrived early this spring to join the faculty of the industrial and manufacturing engineering department as director of the CIMS automated machine tool facility. Bausch, who has an undergraduate degree in marine engineering and is a U.S. Merchant Marine veteran, holds master's and doctorate degrees from the Massachusetts Institute of Technology and has a background in robotics research. Prior to coming to RIT, he taught at Worcester Polytechnic Institute and operated a private consulting business.

The Brinkman Lab equipment features two sophisticated new machines provided by Hardinge Inc. of Elmira: a Cobra 42

computer-controlled lathe and a VMC 600 three-axis milling machine.

The lab serves manufacturing and industrial engineering students and is available for special projects with area industry. Bausch anticipates growth in

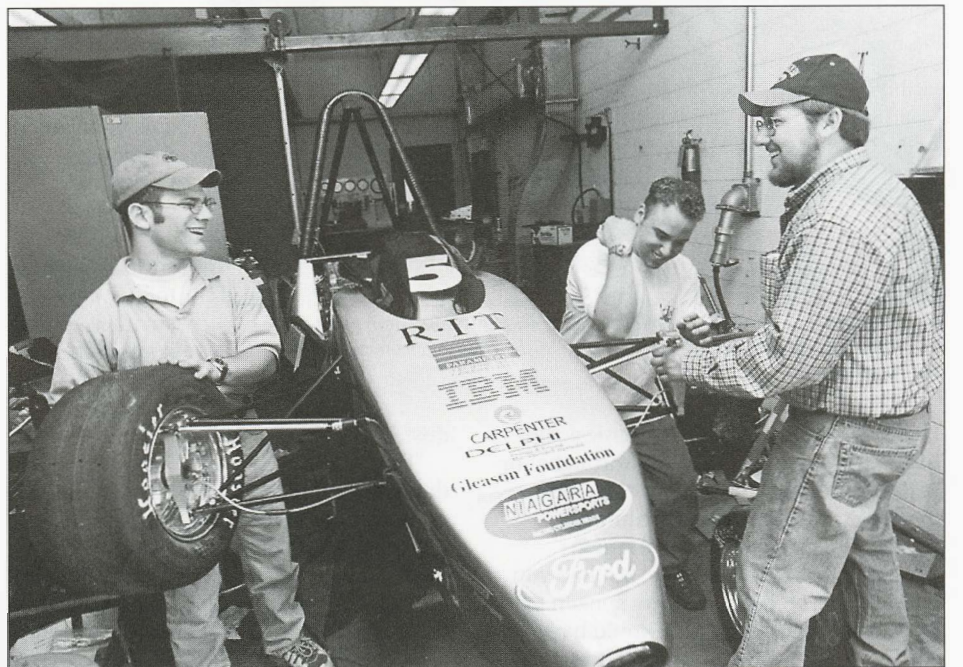
that area, and will seek sponsored research projects from the private sector.

Bausch says the Brinkman Lab has a great deal to offer both to students and potential industry partners. "I was blown away by the quality of this facility," he says, adding that continued development of automated equipment and processes for manufacturing is vital for American industry. He's impressed that RIT is making this kind of commitment to the future.

"Any country that loses its manufacturing base," the new Brinkman lab director states, "is headed for extinction."

The Brinkman Laboratory, created when

the CIMS building opened in 1996, is named for the late Earl W. Brinkman, who spent 53 years working for Davenport Machine Tool Co. in Rochester, retiring in 1979 as president.



HOT WHEELS... Members of the Formula SAE team work on the car that will go to the annual competition in Pontiac, Mich., May 19-23. This year's car features several innovations including 10-inch wheels, a new Autronic Engine Management Computer, an adjustable pedal assembly to accommodate a variety of drivers, and a lighter frame. Last year, the RIT team took fifth place in the international event, which drew more than 100 competing teams.

Imaging science team work on NASA, Great Lakes projects

On April 15, NASA successfully launched the Landsat 7, and by mid-summer RIT imaging scientists should start receiving high-resolution images from the satellite.

Meanwhile, John Schott, who directs the Digital Imaging and Remote Sensing Group at the Chester F. Carlson Center for Imaging Science, and his team have plenty of other, related projects to keep them busy. A grant from NASA's Stennis Space Center will fund a two-year research project to study water quality. The joint program with Eastman Kodak Co. involves analysis of hyperspectral images captured by NASA's AVIRIS airborne instrument. Another Stennis project underway in conjunction with MTL (a Dayton, Ohio, company) focuses on clay-capped landfills. In particular, Schott's team will look at the Savannah

River nuclear disposal site in Georgia.

"This is an experimental program to see if spectroscopy can be used to see defects in these caps," says Schott. In both cases, the team will work with information extending well beyond the visible and near-infrared spectrum.

Schott's team also works on ways to compile data coming in from various sources, to make it more useful and available to researchers. For instance, Nina Gibson Raqueno of the DIRS lab team is assembling a massive "geographic information system (GIS) database of the Great

Lakes. The database, eventually Web-accessible, will include geographic information, Landsat imagery, digital elevation model,

"We're trying to understand the physical, chemical and thermal aspects of the lakes, and we're trying to look at the lakes as an indicator of long-term global change."

—John Schott, the Frederick and Anna B. Wiedman Professor of Imaging Science

drainage basin information, lake water levels, temperature maps, biological data and other information about the Great Lakes.

And, Dilkushi Anuja de Alwis, a Fulbright Scholar at the Center for Imaging Science, is working on a 3-D computer model of Lake Ontario.

All of this information adds up to an extremely detailed portrait of the Great Lakes, which will be of ongoing use to anyone interested in this unique region of the world.

"We're trying to understand the physical, chemical and thermal aspects of the lakes," explains Schott, "and we're trying to look at the lakes as an indicator of long-term global change."

More information about RIT's Digital Imaging and Remote Sensing research is available on the Web at www.cis.rit.edu/research/dirs/index.html.

NTID receives grants

The New York State Department of Education has awarded the National Technical Institute for the Deaf two major grants to improve interpreting services for school-age children and the general community.

The DOE awarded NTID and Monroe #1 Board of Cooperative Education Services a \$3.7 million, five-year commitment to address the shortage of sign-language interpreters in K-12 classrooms.

In addition, a \$150,000 grant is funding a new training program to improve services provided by Rochester-area sign-language interpreters. NTID is working with interpreters and members of the deaf community to identify existing problems in interpreting services, and will then develop training workshops to address them.

Six training workshops, worth three college credits each, will be offered during summer and fall 1999.

For more information, contact Sarah Schifferle, grant coordinator, at -6691 (v/tty).

College Photographer of the Year award-winners

Students in RIT's School of Photographic Arts and Sciences brought home the honors once again in the annual College Photographer of the Year Competition. Hyosub Shin and Yu-Ting Chong each won a bronze medal for Illustration; Erika Larsen took two silver medals, one in Illustration and one for Personal Vision; Elizabeth Torgerson won a bronze medal for Feature; a silver medal went to Laura Glazer in the Pictorial category; Ben Garvin took a bronze medal for Picture Story; and Tom Silknetter won a silver for Sports Portfolio. RIT students consistently place in the national contest, in its 53rd year, which is sponsored by the National Press Photographers Foundation and the Missouri School of Journalism.

A farewell letter from 33-year RIT professor

No matter what one's profession, one cannot avoid an exit moment, for all good things and bad must, like a sentence or a book, come to a halt. Thus, after more than three decades of teaching at RIT, the time has come for me to fade away from this campus and look for other excitements for my remaining years.

During my time here, RIT has been under the leadership of presidents bearing saintly names of Mark and Paul and royal names of Richard and Albert. RIT has grown from a modest but sturdy undergraduate technical school to a Ph.D.-granting institution, with new programs and brick structures sprouting year after year.

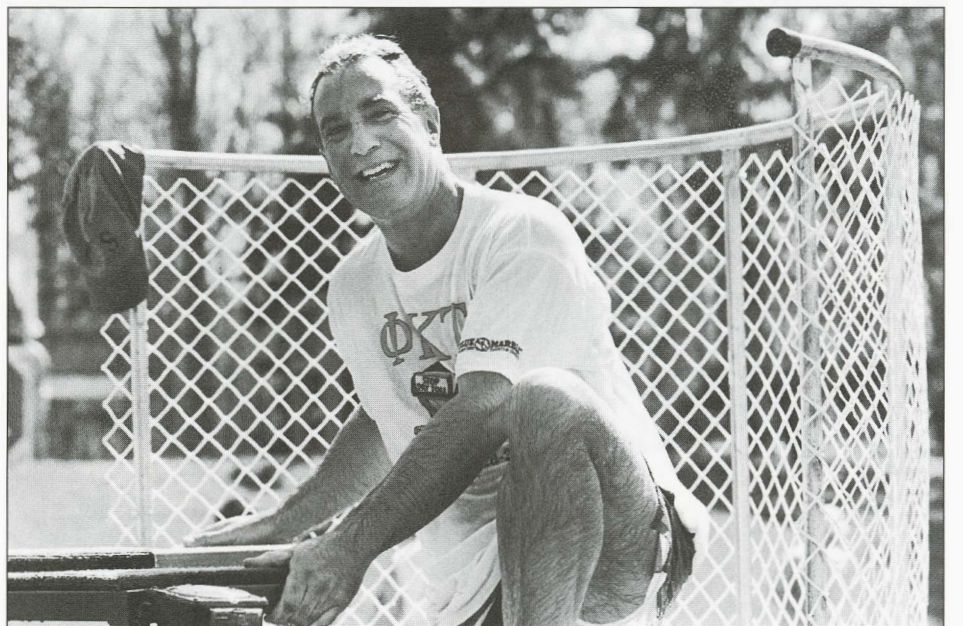
Even granting the blunders and blemishes that flash in the news now and then, I, like most of my colleagues, look upon RIT as a fine institution of higher learning, by and large enlightened in its attitudes and policies, generous in its support and encouragement of faculty and dedicated

to forming skilled, knowledgeable and well-rounded professionals. I carry with me countless fond memories and am happy to leave behind a legacy or two, such as the Eisenhart Award Banquet which I initiated a decade ago and the Physics Assistance Center in my own department.

I will surely miss my friends and colleagues, the debates and discussions and corridor politics, but most of all my interactions with students. But when a touch of nostalgic sadness comes my way, I will be cheered by the thought of not having to grade exams, correct lab reports, attend meetings and submit annual reports.

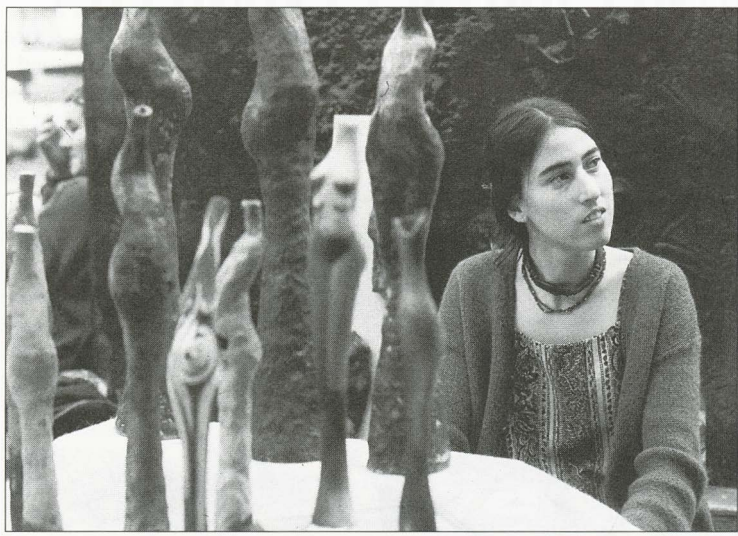
As I bid a formal farewell, I wish RIT many centuries of fruitful service to the nation and the world. I could not have asked for a more rewarding profession, nor for a pleasanter place to serve.

Varadaraja Raman



TO DUNK OR NOT TO DUNK... Phi Kappa Tau fraternity held their annual Tollbooth fundraiser on RIT's Quarter Mile, April 28-30. Passersby donated cash during the three-day event, which featured a carnival atmosphere with games, snow cones, cotton candy and a dunking booth. Shown here, Gary Gasper, director of Student Alumni Union food services and Phi Kappa Tau advisor, shows that he's a good sport even soaking wet. The group raised over \$500 for charities.

Ceramics student uses anthropology to understand her art



Mother Earth . . . Karissa Masse, who graduates on May 22, has found that her art work serves as the perfect medium for expressing her study on women and the environment.

If you saw Karissa Masse's ceramic sculptures on display during "walk-throughs" or at the winter and spring craft sales, you probably saw the obvious: beautifully crafted female forms, many of them depicting the pregnant body. But had you taken a closer look or had you spoken to Masse about her work, you would have

seen what she does: women's bodies as metaphors for the earth, human reproduction and life.

And as Masse sees it, it isn't always a pretty picture. She creates many of the figures through a cracked process. The surface is made to look very dry, so much so that it appears a single touch could reduce it to

dust. This is intentional on the artist's part.

"I was thinking a lot this year, while drawing a pregnant woman, about anthropological and environmental issues," she says. "I was thinking about the earth's ability or inability to support so many people and so many food systems. I wanted the pieces to look dry and barren in order to

represent that."

The Maine native's interest in anthropology is no passing thing. In fact, she made it her honors concentration. Her thesis for graduation focuses on women throughout evolution and looks at different perspectives on reproduction. It is a topic that flows quite naturally into her ceramics yet at the same time poses some challenges. "There is a struggle balancing the aesthetic with the content," she says. "You want to create beautiful work, but what you're trying to say through that work may not always be pleasant."

Ken Reek *from page 4*

The computer science department colleague who knows Reek best is his wife, Margaret Reek, also an Eisenhart winner. "I felt sort of bad when I got it before he did," she admits, "because in some ways, I think he's a better teacher than I am. He's always extremely well prepared, and he has a great depth of knowledge. And he's always very enthusiastic." They're the first husband-wife team to win.

"I don't think I'm unusual in what I do," Ken Reek says modestly. "The nature of RIT is focused on teaching, and I really like that. I hope we don't ever lose that."

1st Croatia RIT college graduation set for May

With appropriate pomp and fanfare, 107 students will receive their diplomas during the first commencement ceremonies May 28 at RIT's American College of Management and Technology in Croatia.

"The current situation in Kosovo has not had any bearing, to date, on Croatia and particularly on Dubrovnik," says William Dempsey, president of the college. "Obviously, concerns for security have been heightened. We continue to monitor the situation and, as of this date, we feel that

everyone in the school is secure."

Dubrovnik, home of the American College of Management and Technology, is a historic city on the Adriatic Sea on Croatia's west coast.

Dempsey says 95 percent of the graduates, most in the 20- to 23-year-old age range, have employment opportunities in the hospitality industry in Croatia. Tourism, the mainstay of the economy before the breakup of the former Yugoslavia, is steadily being rebuilt.

Minister Milena Zic-Fuchs of Croatia's Ministry of Science and Technology, Ambassador William Montgomery of the U.S. Embassy, and Rep. George Radanovich of the U.S. House of Representatives are guest speakers for the ceremony. The RIT delegation to the event includes President Albert Simone, Provost Stanley McKenzie, Vice President James Watters, trustees Jay Holmes and Ann Mulligan, and Associate Dean Janet Graham and academic assistant Meg Irwin of the College of Applied Science and Technology.

The college opened two years ago, offering a two-year associate degree program in hotel and resort management. Next year, approximately 200 new students are expected, bringing total enrollment to about 500. Dempsey notes that early discussions are underway regarding new programs in environmental science, packaging science and information technology.

Hard-of-hearing student among first NTID film/video student graduates

Stacy Bick will don cap and gown with extra pride on graduation day. This Ottawa, Ontario, Canada, resident is the only woman among the very first group of deaf students to earn a bachelor of fine arts degree in film/video/animation at RIT.

"It's an honor to be the first, and it's an honor to be who I am," Bick says. "I strongly encourage other interested deaf filmmakers to pursue their desired careers because the opportunities are here and now."

"I expect great things from Stacy," says Cat Ashworth, assistant professor who has taught and advised Bick for three years. "Stacy compensates really well for her hearing loss because she has incredible communication skills and works really, really hard at it.

"She will be a great producer and director because she motivates people well, she is successful at getting her ideas across clearly, and she has a dynamic personality!" Ashworth adds.

Bick's biggest obstacle in her career is the task of manipulating sound, obviously a critical component of film and video.

"It's hard to face a task knowing I won't be able to accomplish it at the level of others," Bick says. "But I can take pride in the role of partnership and teamwork, thus creating an art that is found on a shared level. This is how most of today's companies are designed, which increases quality productions."

Bick says she has overcome her obstacles through positive attitude, confidence, team spirit, and ambition. "Deaf people need these qualities to have the ability to

market themselves in the light they wish to be seen," Bick says. "I've also acquired the ability to accept the responsibility to alter false judgments."

Even before she applied to RIT, Bick was able to observe the film/video/animation class sessions to see if it was a good match.

"The RIT community felt like home, and the support services at NTID served as the security blanket I needed to excel in my studies," she says.

After graduation, Bick will market *Chameleon*, her latest film, in which she depicts her personal story about her social and sometimes sneaky strategies of integrating and adapting back and forth among the hearing and deaf communities.

This summer, she will introduce film/video/animation to deaf high school juniors, who come to NTID from across the country to learn about various career options during NTID's annual weeklong program, Explore Your Future.

The other first deaf students to graduate with a bachelor of fine arts in film/video/animation are Victor Medina, Damon Tidwell and Sean Furman.

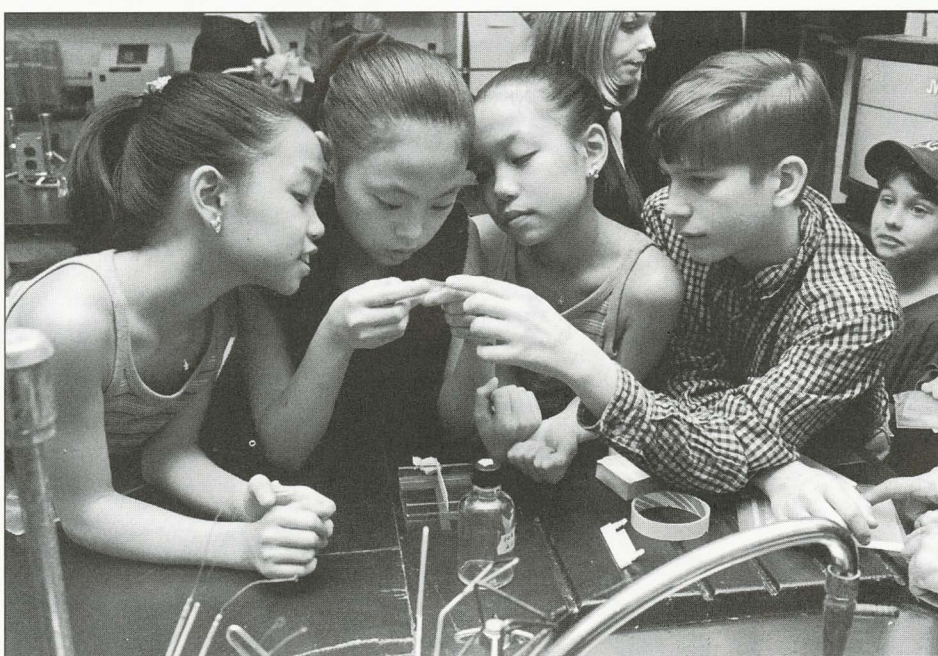


NTID film student Stacy Bick at work in the studio

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GETTING TO KNOW YOU. . . Youngsters starring in the musical *The King and I* got to know RIT's campus during a visit April 22. The children's road manager logged onto the RIT Web site and set up a tour thanks to the Office of K-12 Programs. Shown here, some youngsters are mesmerized by a chunk of amber in Irene Evans' science lab. The group was in town for the six-day production that ran at Rochester's Auditorium Center.

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