

Commencement to Celebrate New Beginnings



Affection and pride in accomplishment—as shown in this scene from last year's ceremonies—are always in evidence on Commencement Day.

More than 3,000 students will close an important chapter in their lives at RIT's 106th Commencement ceremonies, "Beginnings '91," Sat., May 25.

Commencement is an unconventional day of formal ceremonies recognizing graduates, their families, and loved ones. This year's activities, held in the academic areas from 10 a.m. to 4:30 p.m., include performances by Bourbon Street Parade and the Trinidad and Tobago Steel Band, college open houses, and get-togethers among faculty, students, and guests. The entire campus will be decorated with flags and banners for the occasion.

Acting president Thomas R. Plough will address each of the six ceremonies, speaking at the beginning of one and at the end of the next. Plough stresses that this will be a personal and non-traditional commencement: "While we are a large institution, we like to think small when it comes to the personal attention we wish to give each of you graduates, proud parents, relatives, and friends."

Graduation times and locations are:

8:30 a.m.—College of Applied Science and Technology, Frank Ritter Ice Arena; College of Graphic Arts and Photography, George H. Clark Gymnasium

11:30 a.m.—College of Business and College of Science, Ritter Ice Arena; National Technical Institute for the Deaf, Clark Gymnasium

2:30 p.m.—College of Fine and Applied Arts and College of Liberal Arts, Ritter Ice Arena; College of Engineering and College of Continuing Education, Clark Gymnasium

President Rose: A Personal Message

I write again to you, asking for your attention to a matter of deep personal concern to me.

Integrity is one of the most important aspects of my personal and professional life. Like you, I try to live my life with high standards. You can then understand how offensive it is to me to have my honesty challenged.

At the same time, I fully understand how there could be some confusion over my hasty departure and the decision to consult with the Central Intelligence Agency on a matter of national importance. Before I left RIT, I fully expected, based on telephone calls from Washington, to be reactivated into the Marine Corps as part of the mobilization. However, standard mobilization orders were for six months, with a possible extension of six additional months. I had planned on being absent until June 1, and my request to the RIT Board of Trustees was based on that assumption. Rather than taking a leave for mobilization, I chose a sabbatical.

Secondarily, I wouldn't have been able to talk about what I'm doing because the order would have been classified under the Marine Corps. The request for service had come from the CIA. Based on my background in higher education, my past experience as deputy assistant secretary of defense for education and in my last Marine Corps mobilization assignment as chief of staff of the Marine Corps Education Center at Quantico, it wasn't surprising that the CIA felt I could play a role in determining the appropriate future education and training for the Agency's employees.

As I thought about it, I felt my moral authority within the CIA would be much higher as an educator. At the same time it has enabled me to control my time.

I'm naturally sorry for any campus disruption this has caused, but I'm not apologetic for my service.

I asked acting president Tom Plough to inform the RIT community of my assignment last month at a meeting of directors and department heads. Following Dr. Plough's announcement, the Rochester media broke the story to the public. I've been open, knowing some people would never understand. At the same time, it's the nature of a campus to have open expression of thoughts on any issue.

Not being under military orders, I wasn't required to take a secrecy oath, and I intend to be very open concerning my assignment when I return in early June. A campus-wide meeting has been set for June 6 at 3 p.m. in Ingle Auditorium. I know some of you will not be on campus, and I regret that. Should there be sufficient interest, I would be pleased to conduct another open session in the fall.

Frankly, I've learned much from this experience. I come away with a high regard for the people in the CIA and now know much more about the intelligence process. It's not as glamorous as I previously thought it was. Intelligence gathering, which makes up the bulk of CIA activities, is hard work. James Bond movies and spy books are not representative. The war in the Gulf and other world events emphasize that decision makers must have quality human intelligence.

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"WE SHOULD BE THE CHAMPION OF HUMAN RIGHTS ON EARTH" . . . On May 1, former U.S. president Jimmy Carter discussed the state of the world and the United States' role in promoting peace and well-being at home and in other lands. For story and pictures, turn to pages 6-7.

Deaf Educator to Receive Honorary RIT Doctorate

Dr. Robert R. Davila, assistant secretary for special education and rehabilitative services in the U.S. Department of Education, will receive an honorary doctor of humane letters degree from RIT during the May 24 academic awards ceremony at NTID. The ceremony will be held at 2 p.m. in the Robert F. Panara Theatre in the Lyndon Baines Johnson Building.

Davila, the highest ranking deaf official in the federal government, was appointed to his current position in 1989 by President Bush. As assistant secretary, he is responsible for a multi-billion-dollar budget that is used to fund special education and vocational rehabilitation programs nationwide, including NTID. In addition, he holds several positions in which he carries out the federal government's commitment to individuals with disabilities. He chairs the Federal Interagency Coordinating Council, the committee responsible for coordinating federal programs serving young children with disabilities and their families, and also serves on the Architectural Transportation Barriers Compliance Board and the President's Committee on Mental Retardation.

Davila has dedicated 38 years to the education of people with disabilities, working primarily with deaf students. He taught high school mathematics, English, and social studies at the New York School for the Deaf in White Plains, where he also served as elementary school supervisor. In 1972, Davila became associate professor at Gallaudet University in Washington, D.C., and in 1974 was appointed director of Gallaudet's Kendall Demonstration Elementary School. In 1980, he was promoted to professor of education and vice president for precollege programs at Gallaudet, positions he held until his current appointment.

Davila has been recognized internationally as a spokesperson on the education of individuals who are deaf or hard of hearing, and has written articles on the subject that have appeared in many professional journals. Fluent in Spanish and American Sign Language as well as English, Davila also frequently addresses national and international conferences and symposia. He was the first deaf person to be elected president of the three major professional associations in the field of deafness: the Conference of Educational Administrators Serving the Deaf, the Council on Education

of the Deaf, and the Convention of American Instructors of the Deaf.

Davila is RIT's ninth honorary degree recipient since the Institute was founded in 1829.



ANCIENT GAMES STILL CAPTIVATE KIDS IN THE '90s . . . A special "Celebrating Diversity" day filled the Student Alumni Union Apr. 25 with game lovers of all ages, race, sexes, and sizes. RIT students and Horton Child Care Center preschoolers mixed good-naturedly to try their hands at ancient toys and games from countries like England, China, Greece, France, and colonial America, and to eat foods from various cultures. The event, spearheaded by the Disabled Students Advisory Board, the NTID Department of Human Development, and Special Services, offered Dr. Judy Jensen of SUNY Brockport as games expert.

Printing Conference to Emphasize Teamwork Approach for Industry

The focus will be on teamwork at this year's Conference on Quality and Productivity in the Printing Industry at RIT, scheduled for June 11 to 14.

The fifth annual conference, "Teamwork: Employees as Assets, Suppliers as Partners, Customers as Guides," will emphasize the importance of teamwork and partnerships in the printing industry. The conference is presented by RIT's Laboratory for Quality and Productivity in the Graphic Arts and the Technical and Education Center of the Graphic Arts.

The conference will be held at the Marriott Thruway Hotel and at RIT in facilities of the Technical and Education Center and the School of Printing Management & Sciences.

A tutorial on the basics of total quality and statistical process control will precede the conference on June 10.

For more information, call Mark DuPré at -2723.

Eisenhart Teachers Take Personal Approach

On Mon., May 13, RIT honored its best teachers with the presentation of its annual Eisenhart Awards for Outstanding Teaching, held in Ingle Auditorium.

A reception was held in the Fireside Lounge following the ceremony, and Faculty Council also sponsored a dinner to honor the winners. Below are profiles of the teachers honored this year.

Dr. Terry Dennis College of Business

When she learned the identity of one of the winners of the 1991 Eisenhart Awards for Outstanding Teaching, Maggie McEwen-Craven, an accountant in the Controller's Office, couldn't contain herself: "I've been waiting for this for 10 years!"

Perhaps the greatest testament to any professor's teaching career is the enthusiasm of former students like McEwen-Craven, who still remembers classes she took from Dr. Terry Dennis, a professor of decision sciences in the College of Business and one of this year's Eisenhart winners.

"I think he's a super, super professor," says McEwen-Craven, who took Dennis's undergraduate and graduate courses and has worked in the Controller's Office since 1983. "When anybody ever asks me what professor to take, if it's a choice between Terry Dennis and anyone else, I say 'Terry Dennis!'"

An RIT professor for 16 years, Dennis teaches management science and information systems courses.

"I like the material I teach. I think it's important," Dennis says. "I try to convey to students through my teaching that they're there not only to learn, but to apply this knowledge."

Few students leave his classes confused. Dennis constantly seeks feedback from students during class, reviews homework problems in class, and encourages questions before he introduces new material.

"Sometimes students will say, 'Well, I had a problem . . . (with the homework).' So, I'll lead them through it," Dennis says. "Usually students get hung up at a certain point, and I try to reassure them they really knew what they were doing; they weren't that far off."

"Learning is a two-way street," he adds. "I try to assess their level of understanding so I can do my job and better communicate the material so they understand it."

Dennis's interest in his students' success goes beyond the classroom. He is an adviser to the Information Systems Club and stays up to date on the outcome of students' employment or co-op interviews. And Dennis isn't shy about calling employers if he thinks a student should have landed the job. He acts as an intermediary, asking employers about their impressions of the student, emphasizing qualities about the student the employers may have missed, and then discussing the companies' feedback with the student. Future interviews often are not necessary—since most employers change their minds after talking to Dennis.

But Dennis isn't a softie. He's known as a demanding professor who expects hard work of his students.

"I tell anyone who asks me about taking a course from him, 'You'll work your buns off, but he's very, very fair,'" McEwen-Craven says. "If you do the work, then he's willing to do what he can to help you get through his course."

Through consulting work—primarily designing data bases for local companies—Dennis keeps abreast of the information systems field and shares those experiences with his students. He assigns class projects similar to his consulting jobs to give them practical experience. He's also managed to write four textbooks and software packages. He wrote two books—*Microcomputer Models for Management Decision Making* and *Management Science*—in collaboration with his wife, Laurie, a grant

specialist in the Research and Program Development Office.

Dennis, who earned a bachelor's degree in mechanical engineering from Clarkson University, calls teaching "the greatest job in the world." While he was on leave from General Motors to earn an MBA, Purdue University offered him a teaching fellowship. That's when he became hooked on teaching.

"You get variety even teaching the same course," he says. "I think interacting with students and watching them learn is very gratifying, especially when you see a light come on and they recognize and know what you're doing."

"I like the students. They're here because they want to be and because they want to learn. And I try to make learning an enjoyable experience."

Dr. Raman Unnikrishnan College of Engineering

Sixteen years of teaching have taught Dr. Raman Unnikrishnan a thing or two. As a recipient of RIT's 1991 Eisenhart Award, Unnikrishnan says that he has learned that teaching is more than delivering a well-prepared lecture in an allotted time slot.

"Teaching is about transferring knowledge," says Unnikrishnan, recently appointed head of the Electrical Engineering Department. "And that involves motivating the learner and facilitating the learning process. We must also be concerned with not only how we communicate, but what we communicate. Courses have to be modified constantly because the technology changes so rapidly."

Prior to his appointment as a department head, Unnikrishnan served as associate dean of graduate studies and research for the College of Engineering. He says that he agrees with the "teacher/scholar" philosophy that is promoted at RIT.

"In order to remain current," he says, "faculty members must keep up with changes in the field through professional development."

Unnikrishnan says that his philosophy on what makes a good teacher can be best articulated in a quote from Janet Lawrence, author of "Descriptions of Exemplary Teachers—An Exploratory Study of Awards."

"If one created a composite of the outstanding teacher from the attributes mentioned most often, he or she would be an inspiring instructor who is concerned about students, an active scholar who is respected by discipline peers, and an efficient, organized professional who is accessible to students and colleagues."

"I don't know if I fit that mold perfectly, but I strive to meet most of that description," says Unnikrishnan. "It's not that I go home at night and read books on effective teaching—in fact, I have never read a book on teaching—but I think I have a good understanding of what it takes to teach."

Unnikrishnan also has an intense interest in quality within the academic environment. He says that true quality involves constant evaluation and improvement.

"Every aspect of RIT—faculty, staff, maintenance—must look at continuous improvement as a goal," he says. "On the other side of that, we should not forget that we are very good at what we do here, and we have to continue to improve in order to maintain what I like to call our 'edge of excellence.'"

For Unnikrishnan, that evaluation process includes involvement in various activities related to teaching, professional development, and the RIT community.

Unnikrishnan has a substantial research and publications record in automatic control and power electronics, and he has long been involved in numerous professional and academic committees. The list includes chairman of the College of Engineering Dean Search Committee, chairman of the Graduate Council Sub-Committee on Research, Faculty Council representative, and member of the Faculty-Library Committee, among others.

He has been affiliated for many years with the National Science Foundation and

has been a member of many NSF review panels. He is vice chairman of the Rochester Section of the Institute of Electronics and Electrical Engineers (IEEE) and is also an Outside Expert Member of the Xerox Electrical Engineering Curriculum Advisory Committee. In addition, Unnikrishnan has received special recognition awards such as the Xerox Corporation's Professional Excellence Award and the IEEE Special Chapter Officer Award.

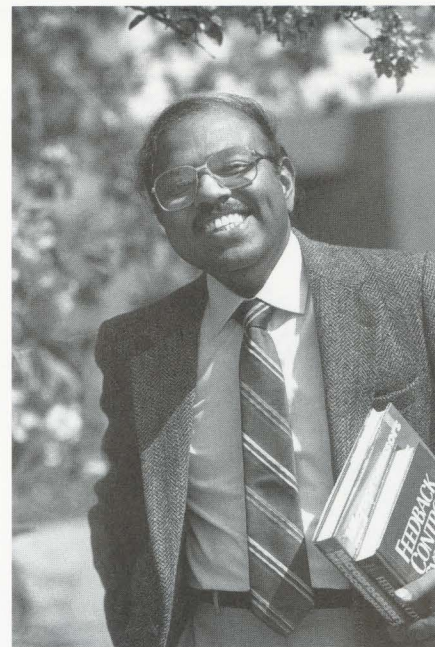
"I'm delighted that I've received this award," he says. Then, with a laugh, he adds, "But I wish I could have been away on a long vacation and found out about all this when I came back, and it would be all over and done with."

Dr. Barbara Hodik College of Fine and Applied Arts

"What makes a good teacher?" A hard question, but one answered with fervor and heartfelt conviction by Dr. Barbara



Dr. Terry Dennis, professor of decision sciences, chats after class with students (left to right) Rob Charette, Kip Winrow, and Stephanie Mularz.



Dr. Raman Unnikrishnan



Dr. Barbara Hodik

Hodik, art history professor, College of Fine and Applied Arts, and a 1991 winner of the Eisenhart Award for Outstanding Teaching.

Teaching means making a learning experience that involves both student and instructor. And doing it well means going beyond the call of duty: getting to know your charges in ways that explain the whole person, she says. It's advice Hodik has given graduate student teachers under her supervision this year.

"Get a good feel for their lives out of the classroom, to see different facets of their personalities, and discover their particular learning style," says Hodik. "Always walk as much as you can in the students' moccasins."

Knowing a lot makes a good teacher too, some would suppose. But Hodik, avid traveler and consummate researcher, would argue it's better to know a little about a lot of things—something her students find enriches and livens her lectures.

"She injects little stories into her lectures that just make it all more down to earth . . . she knows a little bit about everything," says Sue Hulbertson, a master of science for teachers degree student in the college. "She's fabulous! You always know what's expected and where you stand with her. And she's very open and accessible. Many of us look up to her and admire her; I think a lot of us feel we would like to be like her."

A delight in the exchange of ideas, an ease and interest in people she interacts with, and a deep commitment to her field have combined with discipline and hard work to make Barbara Hodik what she is today. Though she receives her 15-year certificate from RIT this year, her teaching work began much earlier with training in a Benedictine convent in Kansas. While a nun, she taught second through eighth grade in a Catholic school, became involved in the early years of Head Start, and stretched herself even further to teach English in a prison.

"That experience has made me the kind of teacher I am today," Hodik says. "The

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College of Science Lively with Speakers, Special Events

Dr. Laura Tubbs, assistant professor of chemistry in the College of Science, and Dr. Terryl Kinder, art historian from the Sorbonne in Paris, spoke to students and faculty on Tue., May 7, about their work with the Pontigny Abbey in the north of France. The presentation, which focused on their combination of art and science to answer questions regarding the 12th-century abbey, wrapped up a busy year for the College of Science.

From a "Bridging the Gap" forum on science education to a Science Olympics

for area high-school students, the college has developed innovative forums on science and math education.

On March 13, "Bridging the Gap" brought together representatives from industry and academia to discuss ways in which the two could work more closely together to benefit students.

Speakers included William Fowble, senior vice president and group general manager, Eastman Kodak Company; Dr. Walter Cooper, New York State Board of Regents; Douglas Reynolds, chief of the

Bureau of Science Education; and Dr. John Paliouras, dean of the College of Science.

Three days later, more than 200 high school students from 15 area schools descended upon the college to participate in the Science Olympics, a series of events that tested students' knowledge of the sciences as well as their problem-solving, laboratory, and communication skills.

The students formed teams to compete in events such as the "Don't Bug Me" competition, which involved identifying various insects; the "Write It, Do It" competition, in which one member of a team wrote a description of a structure built with Lego blocks that enabled his or her partner to build a duplicate; or "The Scrambler," in which contestants designed and built a device that could transport an egg, unbroken, a full 10 meters in the fastest time.

The Science Olympics culminated in the "Science Bowl," in which the final three qualifying teams battled it out in a "Jeopardy!"-style question-and-answer game.

The Science Olympics were organized by the Rochester Area Science Supervisors Association and RIT.

In addition to "Bridging the Gap" and the Science Olympics, the College of Science also attracted one of the most sought-after speakers on college campuses today. Dr. Stephen Wolfram, president of Wolfram Research, Inc. and author of *Mathematica* software, gave a lecture on symbolic computation March 19 in Ingle Auditorium.

Wolfram is author of the best-selling book *Mathematica: A System for Doing Mathematics by Computer*, recently published in its second edition.

When *Mathematica* was first introduced in 1988, *The New York Times* reported that it "fundamentally alters the mechanics of mathematics."

College of Science faculty members also attracted attention for their work. Among them were Dr. Andreas Langner, assistant professor of chemistry, who was selected as one of 100 teachers in the country to attend the Forum for Exemplary Teaching,

sponsored by the American Association for Higher Education.

The forum was held March 24-27 in Washington, D.C., and focused on establishing a research design that will lead to effective study of teaching methods and other issues relevant to secondary education.

Dr. Nancy Wanek, assistant professor in the Biology Department, also made a mark when her paper appeared in *Nature*, an international weekly journal of science. "Conversion by Retinoic Acid of Anterior Cells into ZPA Cells in the Chick Wing Bud" looks at retinoic acid, a derivative of vitamin A that has received a great deal of attention because of its ability to induce changes in embryonic tissue, particularly the developing limbs. Wanek's study casts light on retinoic acid's role in limb development and conclusively proves that it does not act as a morphogen, or a molecule that generates structure, as it had previously been thought to do.

National Advisory Group Honors Outstanding NTID Faculty, Staff

Four NTID faculty and staff members have received 1991 Outstanding Service Awards from NTID's National Advisory Group. The award recognizes faculty and staff members who have made consistent and exceptional contributions to the goals of NTID and to the quality of life for students and colleagues.

Dianne Brooks, manager of Career Outreach and Enrollment Services, is responsible for recruiting students for NTID. Her 20-year career in counseling is augmented by a bachelor's degree in psychology from Howard University and a master's degree in counseling from Gallaudet University. Brooks has worked with students at the elementary, secondary, post-secondary, and graduate levels.

Renee Camerlengo, area coordinator for Residence Life, has around-the-clock responsibility for more than 850 students, a majority of whom are deaf. Since 1986, she has worked with students experiencing difficulty with their living situations, and serves as the chief judicial officer hearing cases of misconduct.

Dr. Donald Johnson, senior research associate in NTID's communication research department, is the nation's leading expert in the visual problems of deaf people.

A 20-year veteran of NTID, he established NTID's Eye & Ear Clinic, the only one of its kind in the world. Recently, Johnson completed a 10-year study of 3,000 students entering NTID and found that nearly 25 percent had visual problems of which they were either unaware or for which they didn't understand the implications in terms of needed medical attention.

David Krohn, interpreter in RIT's department of interpreting services for six years, transliterates into signed English or translates into American Sign Language spoken messages and voices signed messages of deaf and hearing people, whether during classes, special presentations, faculty or student club meetings, or conversations. He is certified by the Registry of Interpreters for the Deaf, holding comprehensive skills certification. Krohn's experience makes him an ideal mentor for interpreting students and new interpreters.

NTID's National Advisory Group consists of professionals concerned with the post-secondary education, technical training, and general educational needs of deaf people. The group advises the director of NTID in the operation of the Institute.

Eisenhart Awards . . .

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convent training taught me that there's a larger sense of duty than how you feel at the moment; you go out of your way for them (students)."

Encouraging talent in her students also comes from her love of art. Though modest about her art talents, Hodik taught painting and printmaking early in her career and was offered a design/illustration position at a famous New York City ad agency. Her interests, she feels, have evolved from a studio practitioner base to one of art history research and criticism, leaving sketches and watercolor creations to vacation and travel times.

"I think my spare time goes to my perennial gardens and working on our house," she says. Redesigning the interior of their home, as well as furnace and plumbing maintenance, falls under Hodik's multi-talented eye. Her husband, H. John Jacobi, a SUNY Brockport professor, prefers the cooking, cleaning, and laundry to his wife's interest in mechanical duties. Both share an interesting hobby of animal care for friends who need pet sitters. In fact, if she hadn't chosen teaching, Hodik says she would have been a veterinarian.

Keeping pets of her own would prove difficult in this life she has chosen. With her ceaseless drive to have her fingers in a thousand interesting pies at once, and to travel during non-teaching times, not to mention other pursuits in photography, antiquing, refinishing furniture, rush seat weaving, and caning, her days are full.

"All of us are lifelong learners, children at heart," says Hodik, referring to teaching all ages. That understanding and gift of finding the learning child in adults is what makes Barbara Hodik an award-winning teacher.

"At my death," she says, "I want them to play 'What I Did for Love'—because that's my life."



New members inducted into Alpha Sigma Lambda this year, left to right: (standing) Beth Anne Starkey, Stephen Knaus, Bram Meehan, Jennifer Deacon, Kathi Westcott, Camley Mazloom; (seated) Timothy Johnston, Sabina Katz, and Kristin Loomis.

Alpha Sigma Lambda Welcomes New Members from Senior Class

Nine seniors have been selected this year as members of the Alpha Sigma Lambda honorary society. Students given this distinction have demonstrated outstanding service through their involvement in student activities while maintaining a minimum grade point average between 3.4 and 4.0.

This year's winners and their colleges are Stephen Knaus, Sabina Katz, and Timothy Johnston, Applied Science and Technology; Jennifer Deacon, Business; Bram Meehan and Beth Anne Starkey, Fine and Applied Arts; Kathi Westcott and Kristin Loomis, Liberal Arts; and Camley Mazloom, College of Science. A formal dinner hosted by Fred Smith, vice president of Student Affairs, was held in their honor May 8 at the Genesee Valley Club.

Formed in 1964, ASL serves as the means by which the Institute formally recognizes

students for outstanding contributions in activities, scholarship, and leadership. Honorees' names will be engraved on the ASL plaque near the Fireside Lounge in the Student Alumni Union.

Festival to Screen Student Films

The fifth annual Junior and Senior Film and Tape Festival, offered by the Film/Video Department, School of Photographic Arts & Sciences, will run up to 75 different student-created films or tapes from 10 a.m. to 6 p.m., May 20 to 22, in Webb Auditorium, James E. Booth Building.

The works, all class assignments, range from two-minute animations to half-hour documentaries and were produced on 16mm, 3/4-inch tape. The free showings will rotate clips, with no program revealing "what comes next," says Malcolm Spaul, department chair. All are welcome to attend.



Alexander S. Lawson

Lawson Fellowship Established in Cary Library Collection

An anonymous School of Printing graduate who remembers the hours of teaching and love of the typographic craft he received from professor Alexander S. Lawson has established an endowment fund in Lawson's honor.

Prime mover in the creation of the Melbert B. Cary Jr. Graphic Arts Collection, Lawson worked with longtime Institute advocate Al Davis to bring the Cary Collection to RIT's School of Printing in 1969.

Since that time, the collection has grown from 2,300 volumes to more than 14,000. Recent additions include the Bernard Middleton Collection of books on book-binding and the Paul Standard Collection.

This fall, the Cary Collection will move to an enlarged facility within the newly expanded Wallace Memorial Library.

The Alexander Lawson Fellowship in the Book Arts will provide work-study opportunities in the Cary Collection for graduate students. Lawson Fellows will benefit from direct and regular participation in the Cary Library's operation, assisting curator David Pankow.

CIMS Improving Productivity for Firms; Faculty, Students Benefit from Ventures

RIT's Center for Integrated Manufacturing Studies (CIMS) has been quietly and steadily progressing toward its stated goal of helping small- and mid-sized manufacturing firms become more productive.

"A lot has happened in the past six months," says Dr. Balwant Karlekar, director of CIMS. "RIT has formed interdisciplinary teams from the colleges of Science, Business, Engineering, and Applied Science and Technology, and we're developing solid working relationships with industry."

For example, a joint team of RIT faculty and students and Eastman Kodak Company engineers has been working on a project for "reduction of product cycle time" at Kodak's electronic product assembly plant. The RIT-Kodak team is critically assessing every

aspect of traditional circuit assemblies.

To illustrate the holistic approach the project team is using, it is simultaneously focusing on identifying organizational issues that affect cycle time and reviewing current processes involved in product manufacturing, including material and data flow. From this information the team will develop an "ideal state" for the manufacture of traditional circuit board assemblies. According to Karlekar, the team expects the investigation to have a significant impact on product cycle time, and, therefore, on Kodak's return on investment.

In addition, the CIMS management team, which consists of Karlekar; Paul Hauler, associate director of CIMS; Robert Graham, a loaned executive from Kodak;

and William Hanley, a loaned executive from IBM, has developed other projects within the community that will have a direct impact on manufacturing productivity.

Among the ongoing CIMS projects is the establishment of a Flexible Computer Integrated Manufacturing (FCIM) unit. The U.S. Department of Commerce has been actively encouraging the creation of FCIM units. Currently there are only four such facilities in existence in the U.S.

The objective of an FCIM unit is to provide a state-of-the-art shared manufacturing facility that will include CAD/CAM equipment for conceptual design, engineering design and analysis, instructions for machine tools and robots, and a delivery system for product needs.

"We've designed the system so that small- and medium-sized manufacturing companies will time-share the FCIM unit at RIT," says Hauler. "These companies also will receive training for their employees and make small-lot production runs at world-class standards for their customers."

Hauler says that one of the goals of establishing an FCIM is to enable these companies to eventually acquire the expertise and equipment to become competitive in the world marketplace. RIT's FCIM unit will be the first of its kind in New York State.

SWBR Architects of Rochester is designing the 165,000-square-foot CIMS building with input from the CIMS building committee, which includes two facilities experts from Kodak. The design focuses on the manufacturing bays in imaging, electronics, printing and publishing, advanced materials, and mechatronics. Included in the building will be interdisciplinary laboratories for advanced manufacturing; advanced materials; quality and reliability; process planning and control; information systems and business management; and technology transfer. Fifty RIT faculty and staff members have been assisting in the design process.

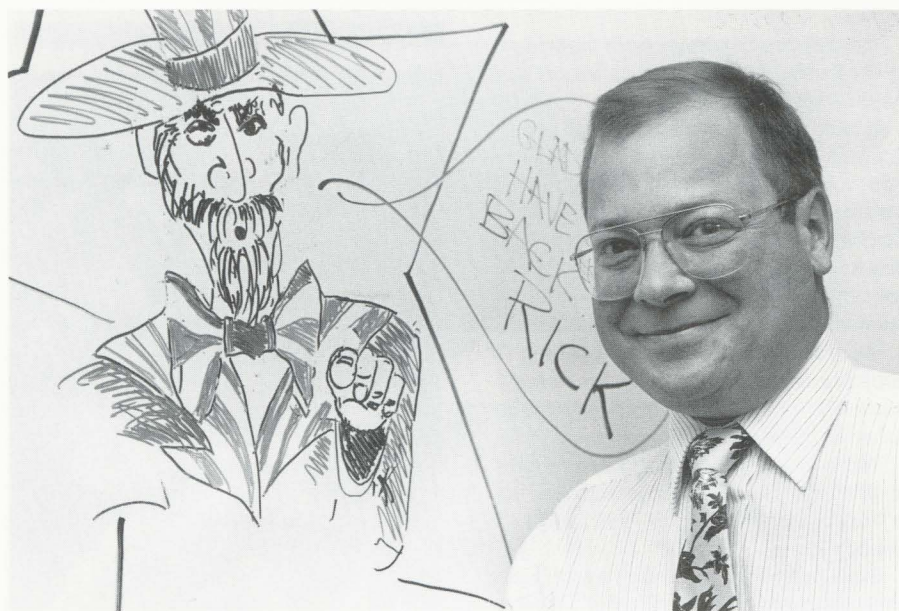
The L-shaped CIMS building will wrap around the southwest corner of the JA parking lot, which is directly east of the Chester F. Carlson Center for Imaging Science.

As of today, CIMS has funding commitments in cash and kind totaling \$13.55 million. This includes \$500,000 from New York State; \$3.75 million from the federal government; \$1 million from Kodak over a ten-year period for a professorship and \$4 million for four years for development; and \$4.3 million for four years from IBM.

While manufacturing companies gain obvious benefits from CIMS, RIT's faculty members and students also benefit.

"Through interaction with industry," says Karlekar, "members of our faculty have an opportunity to help develop new paradigms for an enterprise, broaden their horizons, and then apply what they've learned to the classroom and laboratory."

"In addition, through CIMS co-op experiences, students will gain a better understanding of the interdisciplinary nature of today's and tomorrow's manufacturing environment."



Rick Pettinger next to a "welcome home" drawing done by a student assistant in the registrar's office.

Pettinger Back from Persian Gulf, Ready to Renew 'Ties' to Campus

There was no mistaking it—associate registrar and Army reservist Maj. Richard Pettinger was back from the Persian Gulf.

As he stepped off the plane Apr. 4, about 15 of his RIT friends greeted him with flags and signs—and wild ties. "Rick is noted for his ties," says Cynthia Mularz, reports coordinator in the registrar's office. "We wore the brightest, wildest ties we could find."

Back on the RIT campus, a banner reading "Welcome Home Major Rick Pettinger—Our Hero" was hung in the CCE window where Pettinger would see it when he first entered the Eastman Building upon returning to work in mid-April.

In his office, students hung Christmas ornaments and red, white, and blue streamers, and filled the room with about 20 bags of shredded paper. He's also been well fed with baked goods.

These signs of affection from his RIT friends, as well as letters they sent during his tour of duty, mean a lot to Pettinger. "They took care of me," he says. "The folks at RIT have been very supportive."

After spending most of January at Fort Bragg, N.C., Pettinger shipped out to the Gulf on Feb. 6. He spent much of the next two months on the move, with no hot showers, fresh food, prepared meals, or a comfortable bed. "For civilians, it was a bit of a shock," he says.

What he missed most, though, was not being able to keep in touch with people and not knowing what was going on in the world. "Quite honestly, the folks back in the States knew more about what was going on and could see the big picture," he says. Pettinger got his news from week-old issues of *Stars and Stripes* and from an occasional broadcast he was able to catch from the BBC on a short-wave radio.

It wasn't all bad, though—"The people I was with were great." And, the traveling he has done in his 17 years in the reserves (following two years of stateside active duty in the early 1970s), such as annual practice exercises in Germany, have been good opportunities, he says.

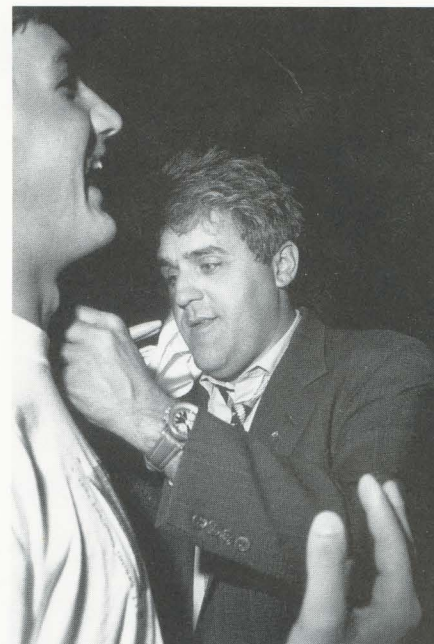
As a civil affairs officer, Pettinger spent most of his time—eight weeks—in Saudi Arabia, moving through the desert, helping out where needed. After the cease-fire, he processed Iraqi soldiers through a prisoner-of-war collection site. He saw the effects of ground battles, such as toppled oil and telecommunication towers, but no actual battles, because he was always well behind the front lines.

Though he lived through some wind and sand storms, Pettinger says that for the most part the temperatures "were quite nice." When he first arrived in February, night temperatures were a little cool and daytime weather was in the 50s and 60s, and later in the 70s and 80s. "Coming back here was more of a shock," he says of Rochester's infamous spring.

Nonetheless, he adds, "It's good to be back."



ISAIAH THOMAS WINNER... James C. Kennedy, chairman and chief executive officer of Cox Enterprises, Inc., is the 1991 recipient of the Isaiah Thomas Award, presented each year to honor excellence in the newspaper industry. Pictured, from left to right: Kennedy; acting president Dr. Thomas Plough, holding the handcrafted silver bowl that was presented to Kennedy; Thomas Curley, president of USA Today and honorary chairman of the Isaiah Thomas Award; and professor W. Frederick Craig, chairman of Isaiah Thomas Day activities.



"I'LL NEVER WASH THIS SHIRT!"... College Activities Board coordinator David Bardusch was among students to get Jay Leno's autograph on their CAB T-shirts for Spring Weekend's wrap-up star performance, May 5. The evening show sold out, with a non-stop, two-hour stint by the comedian and "Tonight Show" guest host.

Solar Car Reworked To Hit Road Again In Tour de Sol Race

RIT's futuristic solar car, Spirit, will race in the American Tour de Sol, May 20-26, from Albany, N.Y., to Plymouth, Mass.

An official "send-off ceremony" was held Fri., May 10, in front of the Chester F. Carlson Center for Imaging Science. The Spirit team was on hand to demonstrate the car's capabilities and to answer questions.

After placing 12th out of 32 contenders in last year's transcontinental GM Sunrayce, Spirit has a new look, improved mechanics, and even more computerized controls to propel it along secondary roads quickly and efficiently.

This year's team captain, Alan Franz, a fifth-year mechanical engineering major, says the Spirit team has rebuilt the transmission and the shell so that more photovoltaic cells are exposed to the sun for a longer time.

"It's the same basic shape," says Franz. "We've just redesigned it to be more energy efficient."

In addition, students have developed a computer program that will provide them with constant feedback regarding energy consumption, drag coefficients, and speed. The computer will be in the chase vehicle, which will be in radio contact with the solar car. Spirit's top speed will be approximately 69 miles per hour.

The American Tour de Sol will feature more than 30 solar cars and electric cars built by engineering students and entrepreneurs from across the country. It is sponsored by the Northeast Sustainable Energy Association, Greenfield, Mass.

Women's Leadership Workshop Returns

Dr. Cynthia McGill, assistant to the provost, will offer a repeat of last fall's popular workshop "Building Leadership Skills for Women" sponsored by RIT Women's Network. The workshop, designed for women already in middle management positions or who aspire to such positions, will be held from 3 to 5 p.m., Tue., June 11, and is limited to 25 participants. To register, call Dr. Gail Kovalik, -6823 (GLK9638 e-mail).

New FHT Degree Program To Spotlight Marketing

The food industry in the 1990s is evolving. The growth for the major food manufacturing companies is not in retail sales, but in penetrating the foodservice market where there is growth and change that will continue into 2000.

To face these challenges, the foodservice manufacturing/producing industry has a growing need for experienced employees who don't need on-the-job training. Responding to requests from industry, RIT's School of Food, Hotel, and Travel Management will begin the only bachelor's degree program of its kind in the nation in food marketing and distribution in the fall.

"Major companies are excited about this program and what it will do for them to meet their challenges into the next century," says Phil Quinney, assistant professor in the school. "They need the personnel and recognize the need for a degree program." Starting salaries for graduates at foodservice manufacturing companies will be competitive.

Over the past 10 years, the traditional ways food gets from the producer to the end user have changed drastically. At the heart of these changes are consumers who have reshaped the industry with new buying habits.

Consumers now buy more meals outside the home, demand a greater proportion of fresh products, require greater amounts of information about their buying decisions, and now expect a large variety of new, more convenient food items.

The foodservice industry must keep pace with the changes in consumer needs. Marketing opportunities created by these revolutionary changes call for qualified professionals who understand the foodservice sector, its requirements, and the issues it faces, such as reduction of labor costs, longer product shelf life, waste reduction, and complex distribution channels.

Students in the Food Marketing and Distribution Program will be prepared for careers as sales managers, product managers, marketing specialists, and logistics managers, to name a few options. Companies where graduates will work include major foodservice distributors, manufacturers, food exporters, government agencies, growers/shippers, and commodity market analysts.

According to Quinney, "Food marketing and distribution is a complex interactive network incorporating knowledge in foodservice, processing, packaging, transportation and logistics, import-export policies, supply/demand characteristics, and customer trends.

"Mergers and acquisitions continue to create larger foodservice distribution companies," says Quinney. "The international market is also opening up with new opportunities. Large American restaurant and hotel chains are now moving into the European and Pacific Rim markets, providing extensive international opportunities for established American foodservice distributors."

He adds, "The entrance and success of traditional commodity producers into the packaged goods market has transformed many agricultural-based companies into marketing and distribution companies."

Quinney explains that the growing consumer demand for minimally processed fresh foods is providing excellent opportunities, as companies face unique challenges with distribution technologies and marketing expertise necessary to make these products successful.

He says, "The emergence of new technologies with applications to the foodservice industry will also present new challenges to marketing and distribution."



DAVIS SCHOLARS . . . Seventeen students, chosen for their significant contributions to campus life, were named recipients of the 1991-92 Davis Scholarships, named in honor of former RIT vice president Alfred L. Davis and his wife, Ruby Davis. Scholars, from left to right: (front row) Kevin Cox, Al Davis, Betsy Clark, Pati Forshay, Jennifer Reynolds, Christina Pagano; (second row) Pankaj Chaturvedi, Sheila Mason, Todd Lavin, Alexandra Zeigler, Peter Bourne; (third row) Thomas Mehs, Menelik Alleyne (at back), Manish Bazarri (below Alleyne), David Bardusch, Thomas Yu, and Scott Curry. Not pictured: Heather Martin, Michelle Henry, Sharon Day.



THEY MADE IT TO WORK, RAIN OR SHINE . . . Among 37 employees of RIT commended for perfect attendance for one year or more were Angelina LoGiudice, President's Office, three years (left); Todd Danielson, Electrical Engineering, two years (center); and Frank Smith, College of Fine and Applied Arts, three years (right).

Greek Council Tries Advisory Approach, Adopts IFC Body

"We were 'meeting'ed out," says new Greek Council president Terry Seiler. In a nutshell, Greek Council sorely needed relief from handling daily details and situations within and between its 19 fraternities and sororities.

"Our enthusiasm was really down," she adds, which prompted a member survey to discover if a change to a more "supportive, umbrella" organization was in order. "It was very positive (for the new proposal)," says Seiler. "We adopted the new IFC (Interfraternity Conference) and, with that adoption, we took on a whole new role."

The Interfraternity Conference and the already existing Panhellenic Council now assume positions of separately handling fraternity and sorority problems and daily functioning needs. Greek Council, in its new role as a supportive, advisory body, will work to increase cooperation, communication, education, and unification of the Greek community as a whole. For instance, says Seiler, Greek Council will take charge of events planned for the entire Greek membership, while the IFC will handle fraternity activities and the Panhellenic Council will manage sorority events.

The new Greek Council Executive Board members are Terry Seiler, president; Darrin Stern, vice president; Rob Bender, treasurer; and James O. Forbes, secretary.

President Rose . . .

continued from page 1

Only time will test what contributions I have made. I believe I have been able to tie the manpower, training, and education requirements to the agency's strategic plans for the future. It's also clear to me that it's healthy for CIA instruction to come from the civilian sector. It's important for CIA employees to gain a public view on issues, rather than talking only to CIA people, which only tends to reinforce their own viewpoint.

Will there be a greater impact of the CIA on RIT? I don't see any material change over the current level of activity. The agency has recruited co-op and full-time employees on campus since the '60s. They follow the same guidelines as private industry. They usually come to campus two times a year, interviewing 50 to 75 students. Five to 10 students choose to accept an offer. The Officer-in-Residence Program is a scholar program and follows the same guidelines as Industry Scholars.

As for research, the contracts we have with the CIA are non-covert. Last year a committee of faculty and staff reviewed RIT's policies concerning proprietary research. Any government contract must fit those proprietary research guidelines. The research amounts to less than \$2 million a year—a relatively small amount when compared to the total research budget of the CIA. Our research is voluntarily conducted by both RIT faculty and students.

Perhaps you can understand why I have not reacted to the demands of a group that feels there should be no CIA presence on

campus. Nevertheless, an educational institution should be able to accommodate divergent points of view. At the same time, I feel no obligation to change my point of view. It is my feeling that all government agencies should be recognized and dealt with above board. Some of the best universities in the country have programmatic relationships with the CIA. Because RIT has nationally recognized programs, we openly share our expertise with industry and government.

RIT, like other major universities, understands that to allow any outside group or industry to dictate institutional direction will erode the quality of our education. This will not happen at RIT. While I'm pleased with the quality academic programs, facilities, and national and international reputation we have built over the last 12 years, many challenges lay ahead.

The future is going to require us to become even more disciplined. Retention, financing of higher education, internal communications, and the building of a science facility are among RIT's challenges.

When my sabbatical leave is finished, I look forward to returning to campus and to working with each of you to make RIT an even greater university.

I remain,
Sincerely,
M.R. Rose

P.S. To those students who are graduating, congratulations on achieving a significant goal. My best to you for the future.



OUTSTANDING COMMUNICATORS ALL . . . Winners of the Institute Writing Committee's 1991 Student Essay Contest described "outstanding communicators at RIT." Pictured are (left to right) College of Liberal Arts professors Patrick Scanlon (the topic of second honorable mention winner Robert Conway), DeLann Williams, and John Klofas; dean William Daniels; second honorable mention winner Christine Battaglia, who wrote about Klofas; and first honorable mention winner Gerald Schmidt and grand prize winner M.J. Macon, both of whom wrote about Williams.

Clean-up Drive Deemed Success

The Hunger Clean-up campaign, including RIT for the first time, was very successful, according to reports. The national campaign, held Apr. 13, had RIT participants getting their hands dirty cleaning yards and basements for St. Bridget's Church and Sojourner House, a home for women in need of emergency shelter. Participants collected money from sponsors for their efforts, to be donated to organizations providing food and shelter for the disadvantaged.

"It went very well," said Laura Litts of the Office of Community Affairs. Litts and other students, including volunteers from NTID and Rochester Community for Peace and Justice, cleaned up residual branches from the yard of St. Bridget's Church. "It could have gone longer. We were really into what we were doing."

Though the total amount of funds raised from the campaign is not yet known, Litts said her party easily raised more than \$200.

An Evening with Jimmy Carter

Introduced as the man behind the Camp David peace accord, the creator of the Department of Energy, a longtime volunteer for Habitat for Humanity, a fly fisherman, woodworker, skier, teacher, and peanut farmer, former U.S. president Jimmy Carter spoke on world affairs to a packed crowd May 1 in the Frank Ritter Ice Arena.

He described RIT as "one of the most exciting institutions that I have ever visited." His afternoon tour of the Woodworking Department in the School for American Craftsmen provoked the statement: "As an amateur woodworker, I was really thrilled and humbled this afternoon to see the beautiful work they have done here learning how to do (woodworking)." He clearly demonstrated his enthusiasm for the students' work during the tour by readily climbing on two "rocking animals"—to the delight of photographers, faculty, and students alike.

In his ninth year as a distinguished professor at Emory University, Carter and his wife, Rosalynn, have written six books since he left office in 1981, all of which have made *The New York Times* bestseller list. But book writing takes a back seat to Carter's driving focus on serving the world—through the Carter Center—as conflict negotiator and advocate for the world's poor.

"We monitor, at the Carter Center, all the conflicts in the world," said Carter, noting his work with an international negotiating network to set up free elections and become middleman between warring factions. And, "everything we do of a controversial nature is bipartisan or non-partisan in nature," he stated, acknowledging the help of former presidents and politicians.

The center also teaches Third World citizens about survival and improving the quality of their lives. Projects include reforestation—to save both the people's own resources and the world's environment; assisting people in producing enough food to feed themselves; helping them acquire better health standards, including child immunization; reducing infant mortality; and helping them achieve personal freedom and self-respect.

"We teach women in the developing world that they can have some self-respect. They can manage their own affairs. They can shape their own destinies. They can be liberated from just being husband-dominated, baby-producing machines," said Carter.

In nearly a pulpit style, Carter strongly asked Americans to work for world peace and betterment of humanity, intertwining his calls for action with statistics and facts about starvation in Africa and loss of water in the Dead Sea.

"There is an increasing gap or chasm between people like us—who are, relatively speaking, extremely rich—and most people on earth, who have very few of the advantages we take for granted. . . . We should be the champions of human rights on earth . . . (after all) human rights invented the United States of America," he said. "We should use our tremendous political, military, and economic strength to promote peace."

Carter answered audience questions, including one from RIT faculty member Jean Douthwright regarding the role of a university president and the acceptability of President Rose's decision to work for the CIA during his sabbatical.



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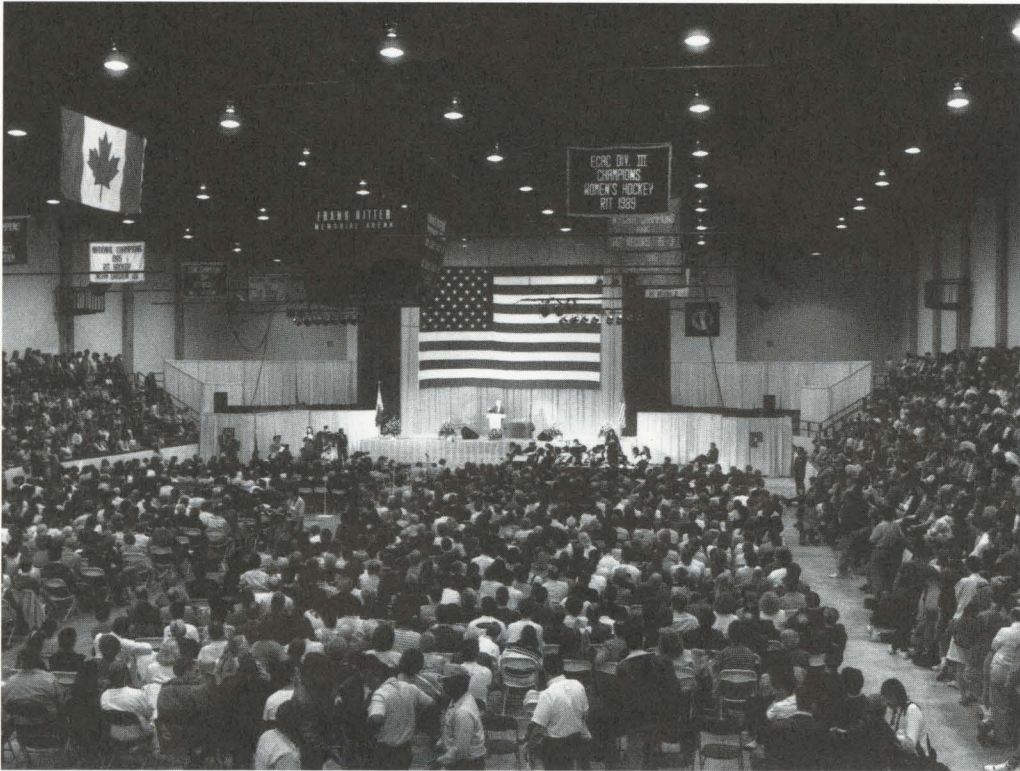
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"This is a free country . . . We don't define as a community what a free American citizen can do . . . Having an intelligence agency as part of our nation is vital. We couldn't get along without it. We would be defenseless," began Carter.

"If his responsibility is to improve the quality of the CIA, to improve the training of people who work in the CIA, to implant higher standards of morality and ethics and abiding by the law, then his mission there could be very beneficial, not only to our country, but to the CIA and its integrity," he said.



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*“It’s amazing,
on any issue,
how the reasoned voice of
a college student
can resonate.”*

—Jimmy Carter at RIT, May 1, 1991



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1) Though his farming background was in peanuts, Jimmy Carter seemed comfortable with a seat on “Gertrude,” student Brad McDougall’s wooden Holstein cow, during his afternoon tour of the School for American Craftsmen woodworking shops. 2) Professor Doug Sigler tried to persuade President Carter, a woodworker in his spare time, to fill in for him next year while Sigler went on sabbatical. Though Carter goodnaturedly refused, he said “I’m jealous that I can’t be an RIT student” in SAC’s woodworking programs. 3) A packed press conference gave reporters time to ask Carter about the U. S. involvement in the Mideast crisis, about global weapons stockpiles, and his feelings on the call for investigation into

the “October Surprise” hostage crisis, dating back to his 1980 bid for re-election. 4) A brief lunch reception before the evening press conference and speech included (left to right) student government special events coordinator John Simmons; Monty Plough, wife of acting president Dr. Thomas Plough; Carter; and Plough. 5) The RIT and Rochester communities came forth to fill the ice arena to capacity on May 1. Resounding applause and standing ovations testified to their respect and admiration for Carter as he spoke about world issues, his humanitarian efforts with the Carter Center, and college students’ opportunities to speak out on major issues. 6) Carter enjoyed “talking shop” with students like Dan Miller, second-year woodworking student.

7) A short walking tour of the campus included an inspection of RIT’s student-commissioned Bengal tiger sculpture on the walkway between the Wallace Library and the Student Alumni Union. John Simmons (right), the prime mover behind arranging Carter’s visit, graduates next week. 8) Professor Bill Keyser’s handcrafted rosewood and pecan box was warmly received by President Carter, who said he would cherish such a special gift. 9) Stacy Smith, graduate woodworking student, (far left) explained her thesis piece—“Las Vegas Louis,” a game table—to President Carter as he viewed the graduate show in Bevier Gallery with student government special events coordinators John Simmons and Jim Schmukal (left and right of Carter) and acting dean Peter Giopulos, College of Fine and Applied Arts (far right).



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United Way Campaign Reaches 92% of Goal

At the close of this year's RIT United Way campaign, a preliminary tally finds contributions have reached 92% of the targeted \$170,000. As of May 6, \$157,100.21 has been received, though contributions are still continuing and tallies have not yet been calculated from final fund-raising events.

The grand prize of two round-trip tickets to Florida from DiMaria Travel Agency was to be selected and announced at a May 15 recognition reception. This year's raffle winners are as follows:

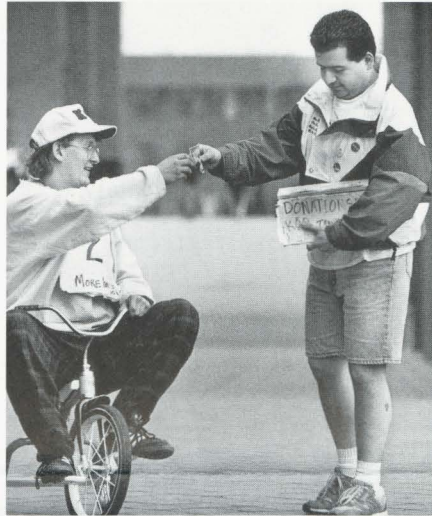
- Gary Judge, Stockroom—reserved parking, Winter Quarter
- Kathleen Kane, Counseling Center—reserved parking, Winter Quarter
- Calvin Taver, Physical Plant—professional auto doll-up; discount booklet from Coco's Carousel
- Donna Welch, Food Service—one day off
- Bill McQuilkin, CQAS—"Two for Breakfast" weekend at the Marriott Thruway; two tickets to Hiccups Comedy Nite Club
- Melody Shust, Chemistry—"Romantic Weekend" at the Radisson Inn; two tickets to Yuk Yuk's Komedy Kabaret
- Peter Anderson, Computer Science—one course of skating instruction; two tickets to a Rochester Americans hockey game
- Gail Motala, CCE—dinner at Red Creek Inn's Cafe Amoré; two tickets to Hiccups
- Lauren Barrows, NTID—dinner at Grisanti's Restaurant; two tickets to Hiccups
- Mark Sager, SPAS—"Send-Off" weekend at the Holiday Inn; two tickets to Hiccups



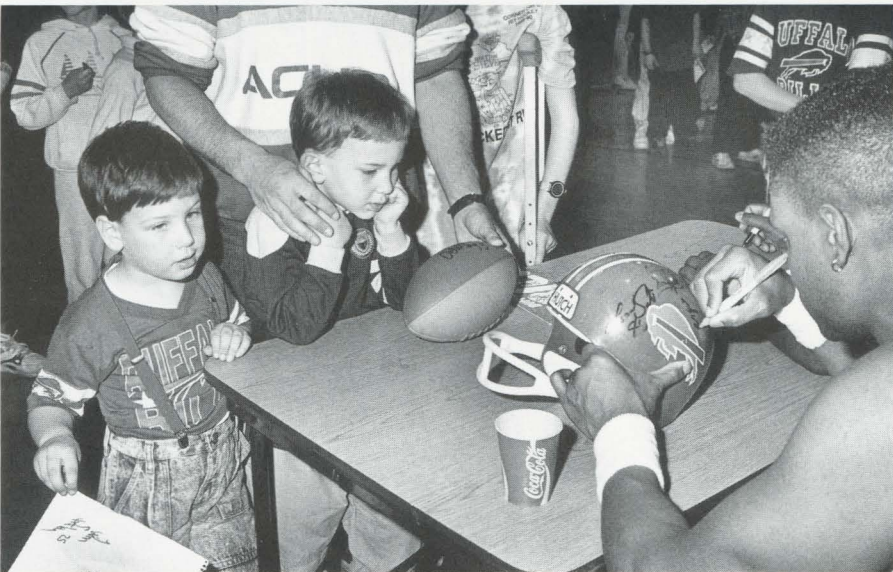
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This year's United Way campaign fund raising events included (1) the annual Run-Walk Day, May 3; (2) the kickoff, at which Sue Provenzano, chair of RIT's United Way Steering Committee, shot hoops; (3) Kappa Phi Theta's annual "Trike-a-Thon"; and (4) a basketball game between the Buffalo Bills and the RIT All Stars, where the Bills autographed souvenirs.

Endowed Prof Looks At Shopping Patterns

The following is part of a continuing News & Events series of features on RIT endowed professors.

College of Business
Eugene Fram

Time—it's something people seem to have too little of. And it's a topic of great interest to Dr. Eugene Fram, the J. Warren McClure Research Professor in Marketing. The College of Business professorship, endowed in 1968, was one of the first such professorships at RIT and was made possible by a donation by J. Warren McClure, the first vice president of marketing at Gannett Co., Inc.

Fram, who has held the endowed professorship for two years, has been examining the "time-compressed lifestyles" of dual income couples with children, a project he launched last year with a national study of more than 500 families.

Survey results, published in *American Demographics*, show that primary shoppers for dual-earner families feel shopping is stressful and interferes with leisure time and their families. Yet these families haven't been successful in reducing the time needed to shop, Fram's study found. Opportunities are great for businesses to develop time-saving services for dual earners, Fram believes, but few companies realize the full scope of the buying problems these time-compressed families face.

Fram, who has been reappointed to the McClure Professorship for five more years by dean Richard Rosett, continues his research on the topic with a follow-up survey of businesses, asking them about the time-saving measures they use to help this significant segment of the population. Further analysis of the topic is contained in a new article to be published shortly in *Marketing Insights*.

Management of nonprofit boards is another area of special interest to Fram. The author of *Policy Versus Paper Clips: Selling the Corporate Model to Your Nonprofit Board*, Fram pioneered the idea of structuring nonprofit boards much like for-profit boards by encouraging them to separate operational and policy issues.

Grant Deadlines

The Research and Program Development Office reminds RIT faculty and staff of the following deadlines. If you have any questions, please call the office at -6547.

June 1—NEH Fellowships for University Teachers; IREX Short-term Travel Grants; NSF Molecular and Biosciences Programs; NSF Long-term Research in Japan

June 2—National Institute on Aging: Economics of Aging, Health, and Retirement

June 7—ONR Personnel Research for the Navy

June 10—Army Research Institute Basic Behavioral Science Research

June 21—NEA Design Arts



STUDENT ART PIECES ARE GREAT—THE PRICES ARE EVEN BETTER... Electrical engineering staff assistant Florence Layton checked out the School for American Craftsmen student sale of glass, fabric, wood, ceramics, and jewelry items. The sale, part of RIT's annual Spring Weekend, offered unique works just in time for graduation and Mother's Day gifts.

11 Distance Learning Projects Receive Grants for Development

Distance learning projects using instructional technology to improve quality of education are again the primary focus of Institute productivity grants. The Office of the Provost awarded grants to 11 projects for development during the academic years 1990-91 and 1991-92, which include the following:

- Two courses, Introduction to Work Organizations and Employee Relations, will be developed by associate professor William Nowlin of the College of Business.
- Karen Snell, NTID assistant professor of audiology, will develop a self-instructional auditory training program for consonant sounds to assist students who are hard of hearing.
- Two national telecourses—Quality Engineering by Design and Compliance with International Quality Standards—will be produced in the College of Engineering.

- An interactive computer simulation that enables students in the Instructional Technology Program to make a series of decisions regarding innovation and change will be designed by assistant professor Michael Yacci of the College of Applied Science and Technology.

Other recipients are George Zion, assistant professor, College of Applied Science and Technology; Stanley Bissell, assistant professor and acting director of Career and Human Resource Development, College of Continuing Education; Michael Foss, assistant professor, College of Science; Peter Lutz, associate professor and department chairman of Information Technology; John Sanders, professor, College of Liberal Arts; Alan Singer, assistant professor, College of Fine and Applied Arts; and David Neumann, associate professor, College of Liberal Arts.

Prof Smoothed Run for Deaf Ski Enthusiasts

He blossomed a bit late, never having donned a pair of skis until he was 24, but Dr. Simon Carmel has dedicated nearly that much time to improving ski competition for deaf athletes.

Carmel, assistant professor in the general education instruction department at NTID, has devoted 20 years as an Alpine ski technical delegate to the CISS (International Committee of Sports for the Deaf) World Winter Games for the Deaf. He retired after this year's competition in late February.

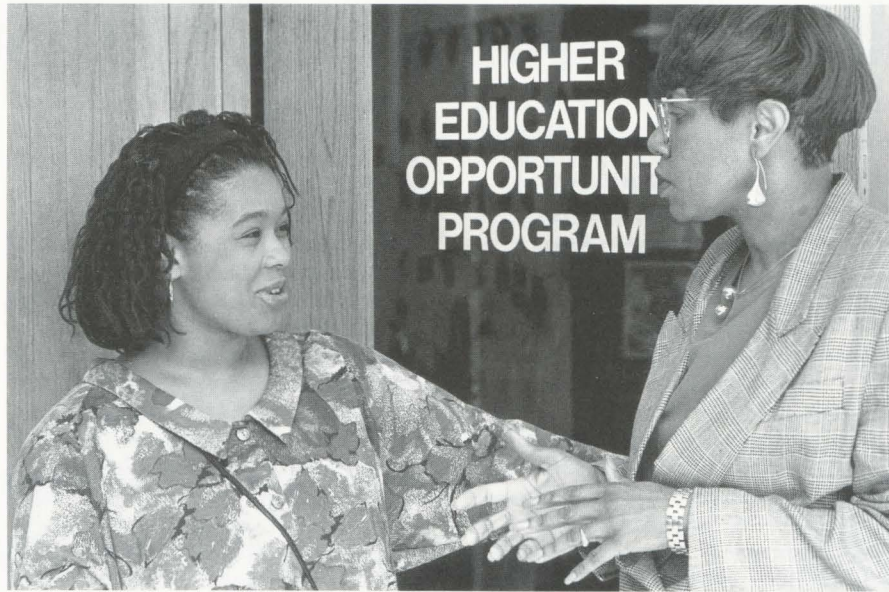
In such exotic locales as Adelboden, Switzerland (1971); Lake Placid, N.Y. (1975); Meribel, France (1979); Madonna Di Campiglio, Italy (1983); Oslo, Norway (1987); and Banff, Canada (1991), Carmel supervised Alpine ski race officials and ensured the safety of downhill courses for the deaf skiers. During his tenure, Carmel helped develop new regulations for both Alpine and Nordic ski events, expanded ski race events, and wrote a handbook, *International CISS Ski Technical Signs for Racers and Officials*.

A former member of the U.S. swim team at the CISS World Summer Games for the Deaf in Helsinki, Finland (1961), Carmel describes his stint with the U.S. ski teams as a "wonderful and enriching experience." Most memorable of his experiences were the opportunities to serve in a leadership role, to interact and make friends with deaf ski officials and racers from all over the world, and to acquire new international ski signs.

"Simon did a lot to make the technical aspects (of ski racing) easier for everyone to understand," says Jerald Jordan, special assistant to the provost at Gallaudet University and president of CISS. "We regret losing his services."

Though he's retired from his official position, Carmel has not retired from the slopes. He looks forward to spending more time skiing. Owner of six pairs of Alpine and Nordic skis, he frequently schusses down mountains and crisscrosses terrain in Austria, Switzerland, France, Colorado, Utah, and Vermont.

For Carmel, the experience is almost spiritual. "When you ski downhill, you forget everything behind you," he says. "It's a beautiful feeling."



Tonja Moss (left) discusses her summer plans with HEOP assistant director Arlette Miller Smith.

HEOP Counselors Dispel Popular Misconceptions

The Higher Education Opportunity Program (HEOP) is only for minorities, gives students a free ticket to college, and has unlimited funds.

These are the popular misconceptions among many students, faculty, and staff who are unfamiliar with the program, HEOP counselors say. But amid federal cutbacks, the real story of limitations to the funds and services HEOP can provide is coming to light.

HEOP, a federally-supported program, gives students from disadvantaged backgrounds access to independent colleges and universities throughout New York State and sponsors educational and tutorial programs to help students in their studies.

Arlette Miller Smith, assistant director for HEOP at RIT, addresses the assumption that the HEOP program is only for specific ethnic groups. "Students must be at an economic and educational disadvantage to be eligible. This is often the case with many minority groups, but it is by no means restricted to them," she says. She also points out that wards of the court automatically meet these requirements, which, says Smith, "is the situation of many students of Asian origin who have come to America."

Rather than a free ticket, what students get through the program is a fighting chance to go to college. "HEOP students

generally have less money than other students. Even though they acquire state funding, they still have to take out loans," says Sandra Ebling, HEOP academic coordinator.

Tonja Moss, a fifth-year student in professional and technical communications, attests that entering college in the program is no free ride. "There are still problems I have to work out myself. I have to fight for financial aid just like any other RIT student."

As part of the selection process, Smith seeks evidence of persistence in applicants. "I look for something that indicates drive and ambition when selecting students for the program," says Smith. "For example, we have students who have lived alone and supported themselves from age 15 through high school. If a student has the determination to be self-supportive through school—with a child (to care for) in some cases—I know that student will be willing to work in college."

Like all federal programs, HEOP is subject to shifts in the economy. For the past three years, the HEOP budget for supportive services has remained the same. However the number of students enrolled in the program has increased. This year the office, budgeted for 126 students, faced an enrollment of 142.

"What this means is that many of the supportive services we offer had to be cut or reduced," says Ebling. The new student summer orientation program is one example. Freshman Polina Katz says that at orientation last year, "A lot of us thought it would be hard to study in the summer, but in the end we had a great time and learned a lot. We were like a family." Next summer's orientation will be a week shorter and with half the usual number of students. The annual awards ceremony/reception honoring HEOP students who have shown leadership and academic persistence also has been cut this year.

"I had to let go of three mentors and reduce the number of hours for tutoring from six hours a week to just two," says Ebling. But, on a more positive side, "Even though the hours are cut back, tutors—who themselves are students—are volunteering to put in the additional time needed. It makes me feel very proud of students for doing extra at this crucial time."

With the current recession, college and university programs throughout the state are feeling the budget crunch. Because of this, the future of financial aid for students in need is uncertain.

There is a lot of speculation right now," says HEOP director Linda Meyer. "With federal reductions enacted on all college campuses, the question is whether HEOP will be held at the same funding level or reduced next year.

"As a social program addressing equity and access to higher education, we are currently being looked at, as are other social programs vying to maintain or increase their budgets," says Meyer. "Nobody knows what this means for next year; that is what has us all nervous."

CCE Academy Targets College Skill Acquisition

Further strengthening its commitment to minority and other underserved learners, the College of Continuing Education will this fall launch the Academy for Business and Technology.

A college preparatory program, the academy is designed for high school seniors who will graduate in June or students who have recently completed a GED but are not yet ready for college work. The academy will help these prospective collegians gain the skills necessary to enter college programs in technology or business.

"It is for those who display the aptitude, if not yet the accomplishment, to succeed in college-level technology and business programs," says Dr. Lawrence W. Belle, acting dean of CCE.

The non-credit program, says James Papero, CCE's coordinator of Pre-Collegiate Programs, also will be especially useful to students who have recently tried college and have not succeeded or done as well as they had hoped. Scholarship aid will be available, pending approval of the New York State budget. Half-day classes will allow students to hold down part-time jobs.

The academy helps students brush up on academic skills, and provides a "pre-view" of college life. It also offers small classes, tutoring, career seminars, and assistance in choosing a college and help in applying. Courses will include mathematics, physics, software application, and communication.

Classes will meet Monday through Friday for half days from September through May at RIT's downtown City Center.

The academy joins CCE's Talent Connection and Office Technologies programs in assisting underserved learners. Talent Connection is a non-credit, 20-week program that enhances the communications and mathematical skills of young adults. Office Technologies prepares students for secretarial jobs.

More information about the academy, as well as the above programs, can be obtained by calling Pat Whalley at -7056.

Engineering Major Named Tops in Co-op

For his dedication, drive, and commitment to excellence both academically and in the workplace, Anthony Tommasecchia, a fifth-year electrical engineering student, was named RIT's candidate for 1991 national Cooperative Education Student of the Year.

"Tony is a serious, yet congenial student who develops a rapport with others easily and quickly and readily offers assistance and support to his peers, especially in study groups," said Louise Carrese, his adviser, in her statement to the selections committee who approved his nomination.

Tommasecchia was also praised by his co-op employers as "one of the most enthusiastic and energetic students we have had the opportunity to work with." He was contracted by Xerox Corp. as a software developer and worked as an assistant engineer for the government.

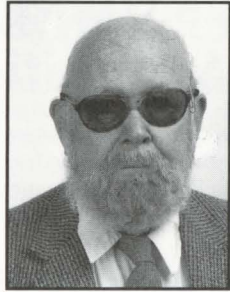
Nominees for Co-op Student of the Year are submitted by colleges or companies involved with cooperative education programs throughout the country. The award is jointly sponsored by the Cooperative Education Association and the Cooperative Education Division of the American Society for Engineering Education. This year's winner of the award was Timothy Weatherford from the University of Kentucky.

Upon graduation, Tommasecchia plans to work full time as a design engineer while pursuing a master's degree in engineering.



THE WRITE STUFF... RIT students of all disciplines are honored for well-written research papers or projects at the annual Kearsse Distinguished Lecture and Student Honor Awards ceremony. Honorees, mingled with Liberal Arts faculty, include (left to right): Dr. John Violanti, Kearsse Distinguished Lecturer; winner Pat Rasile; Dr. David Murdoch, assistant dean, College of Liberal Arts; winner Erik Erlandson; College of Liberal Arts Dean William J. Daniels; and winners Nicole Romeo, Jennifer Kling, James Quattrone, Kerry Spindler, Joanne Dierker, D.C. Cantwell, and David Hurwitz. Winners not shown: Kristine Mamula, Jodie Daniels, and Mark Turnbull.

Employees Honored for Length of Service



40 Years

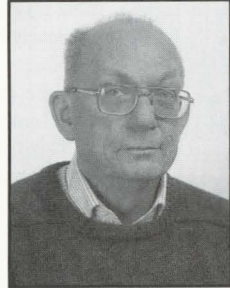
Thomas J. O'Brien

People who have invested themselves in RIT as faculty or staff members for five years or more were honored April 30 at the annual Length of Service reception. Paul Petersen, dean of the College of Engineering, delivered the keynote address.

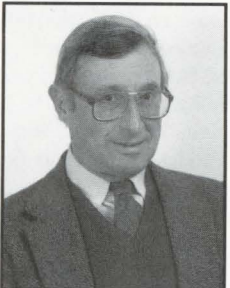


35 Years

Louis A. Alexander



Richard N. Norman

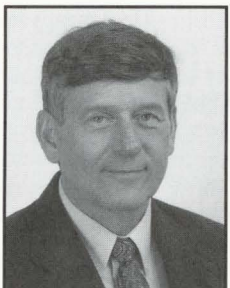


30 Years

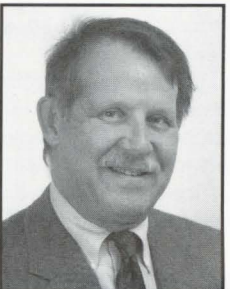
Philip W. Bornarth



Oranell Killings

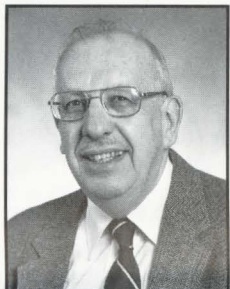


Miles F. Southworth



25 Years

Jerry Adduci



Paul Bernstein



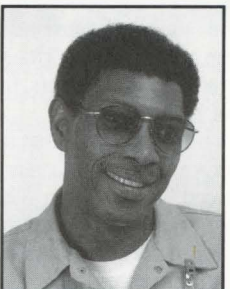
Mario Diqulio



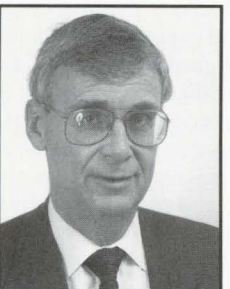
Cheddie Johnson



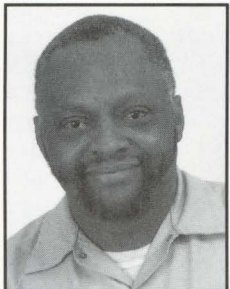
Bhalchandra Balwant Karlekar



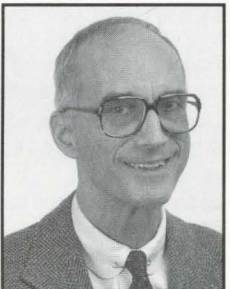
Edward Killings Jr.



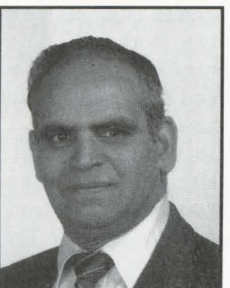
Earl Krakower



Robert Nesmith



James Papero



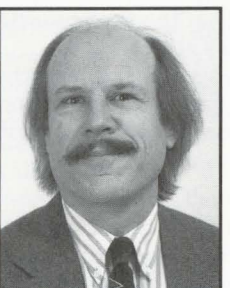
Varadaraja Raman



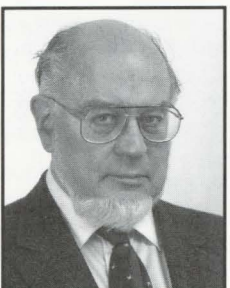
Helen Smith



Ronald Stappenbeck



James E. Thomas



Paul Van Ness

Not pictured: Andrew Davidhazy (25 Years); Charles Hewett (25 Years); Nabil Kaylani (25 Years)

25 Year Club

Reno Antonietti, Frank Argento, Gaillard Ashley, William Batcheller, Barbara Blickwede, Lodewyk Boyon, George Brown, Joseph Brown Jr., Donald Bujnowski, David Calman, Katherine Carcaci, Kathleen Chajchuk, Norman Coombs, Ellen Covert, W. Frederick Craig, Chester Daniels, Robert Day, Joseph Dengler, F. Kingsley Elder Jr., Louis Eltscher III, Joseph Fitzpatrick, Richard Floberg, Eugene Fram, Clifton Frazier, Earl Fuller, Mahlon Gebhardt, Robert Gilman, James Glasenapp, Dane Gordon, Mark Guldin, Robert Hacker, George Hedden, Ronald Hilton, Bradley Hindson, John Humphries, Andrew Johnson, William Keyser Jr., M. Joseph Klingensmith, Robert Lee, Bernard Logan, Richard Lunt, Ruth Lunt, Pellegrino Nazzaro, Chris Nilsen, Joseph Noga, John Paliouras, Herbert Phillips, Ann Pompili, Archibald Provan, R. Roger Remington, George Reno Jr., James Reynolds, James Runyon, Pasquale Saeva, Emery Schneider, Earl Sexton, John Shaw, Martin Siebach, Richard Thorpe, Jack Tishkoff, Thomas Upson, John White, Lawrence Williams, Julia Witzel

20 Years

Louis J. Andolino, Mildred T. Berardi, James C. Bingham, Jane D. Bolduc, Donald G. Burkhardt, Mary A. Coe, C. Lorraine Cosgrove, Roy S. Czernikowski, James J. DeCaro, Diana DeBruycker, John H. Dehaan, Andrew J. DuBrin, Constantino Dumangane, David L. Farnsworth, James S. Fleming, Marilyn G. Fowler, Lynn F. Fuller, Linda C. Groves, Sarah A. Haberbusch, Charles W. Haines, Roger E. Heintz, Lavina L. Hept, Richard B. Hetnarski, Rebecca E. Hill, T. Alan Hurwitz, Morton Isaacs, James D. Jensen, Gunnar R. Johnson, Donald D. Johnson, Robert H. Johnston, Jacquelyn F. Kelly, Marion W. Kelly, Robert S. Kerr, Patricia J. Kimmel, Glenn J. Kist, David M. Lamb, Harry G. Lang, Hoyoung Lee, Grace Magliocco, Barbara Monette, Robert A. Moore, Kenneth R. Nash, Kenneth R. Nelson, Anne S. Nowill, George F. O'Brecht, Beverly J. Price, Mark Price, N. Richard Reeve, Harvey E. Rhody, Evelyn P. Rozanski, Carole A. Sack, Robert D. Schmitz, Rose Marie Sepos, Murli M. Sinha, Jack Slutzky, Albert S. Smith, Rita D. Steel, William J. Stevenson, Sharon A. Stevenson, Gail L. Welch, Edna G. Wilkinson, Johannes Zandvoort

15 Years

Gerald S. Argetsinger, Anthony C. Bailey, Mary Louise Basile, Lita H. Boudakian, Jennifer M. Buckley, Edgar N. Buffan, Catherine Cappel-Whittemore, Lucille Chattam, Robert Y. Chung, Carol L. Cole, Barbara Cuthbertson, Joan C. Dammeyer, Joanne M. De Roller, Terry L. Dennis, Charles W. Dispenza, Sherlea A. Dony, Margaret A. Doyle, Daila Eichvalds, Henry A. Etlinger, Elizabeth G. Ewell, Harold E. Farneth, G. Thomas Frederick, Margaret M. Gardner, George T. Georgantas, Phyllis D. Gordon, Rosemarie H. Gross, Sheila L. Halton, Rosalind K. Hawkins, Alice F. Hicks, Barbara J. Hodik, Barbara R. Holcomb, Lee A. Jennejohn, Robert L. Keiffer, Rita A. LaPre, Richard K. Leroy, Valerie A. Liotta, Andrew W. Ludwick, Kathleen M. Martin, Patricia A. McCoy, Donna C. McDonough, Nancy K. McEntee, Thomas J. Merchant, William Mets, Richard Morales, Dawn H. Murley, John A. Murley, Robert H. Murray, Robert O. Naess, John E. Panara, John R. Peck, Carole L. Pepe, Lawrence R. Pschirrer, Larry K. Quinsland, Gail A. Rothman, Douglas E. Sigler, William A. Springer, William J. Stratton, Warner H. Strong, Paul L. Taylor III, Raman M. Unnikrishnan, Margaret M. Urckfritz, Jo Carol F. Vedock, William H. Wallace, Bruna A. Wells, Charles C. Werberig, Florence J. Zamites

10 Years

Geraldine A. Adams, Ramona J. Akpo-Sani, John N. Amon, Peter G. Anderson, Shirley J. Baker, John A. Biles, Mary Ann T. Braun, Joyce K. Bray, Dianne K.

Brooks, Marilyn A. Bullard, Marilyn J. Cangialosi, Louise T. Carrese, Susan J. Chan, A. Ray Chapman, Norene L. Chesterton, Cathleen W. Chou, Robert G. Conrow, Emanuel Contomanolis, Dennis A. Cory, Elizabeth V. Croft, Donna C. Cullen, Elaine D. Daley, Audrey Davis, Robert W. Day, Mary Ann De Groot, Christopher Denninger, Stephen J. Diehl, Cecelia A. Dorn, Marcia B. Dugan, Joy P. Duskin, Mary Ann Erickson, Frank A. Fantauzzo, Judith A. Finch, Gail D. Gabriel, Beverly A. Gburski, Louis B. Gennaro, Rhona Genzel, Amitabha Ghosh, Steven C. Gold, Florence G. Goodwin, Roberta A. Gottorff, Patrick A. Graybill, Laxmi N. Gupta, Joanne M. Gelmick, Cheryl A. Herdklotz, Alvin E. Herdklotz, Jr., Ruth E. Hermann, Beverly A. Hogan, Mary E. Hunter, Laura J. Jacobs, Karen A. Johnston, Janet E. Jones, Robert M. Kahute, Satish G. Kandlikar, Michael J. Koziol, David G. Krispinsky, Gene G. Kulp, Julie P. Leonardo, Barbara Letvin, Juan J. Lopez, Carl A. Lundgren, Janet MacLeod-Gallinger, Mary Grace Manuse, John M. Marciniak, Damisela Marquez, Athimoottil V. Mathew, Andrew J. Mathews, Carol E. Matthews, Walter F. McCanna, Alice E. McCrave, Robert S. Menchel, Douglas P. Merrill, Lorna J. Mittelman, John E. Moultrie, Morton O. Nace Jr., Stephen A. Nelson, Beverly J. Newell, Richard J. Orr, Karen H. Paul, Joyce A. Pemberton, Daniel Pike, Jeffrey E. Porter, Betty J. Quinn, Syed K. Razvi, Dixie H. Reber, Lorelei L. Reed, Kathy A. Robords, Mary E. Saxe, Harold T. Scharnberg, John R. Schott, Lawrence C. Scott, Jr., Michael S. Serve, Maria Shustorovich, Kathleen S. Smith, Carol A. Stuckless, James W. Tefft, Wendell S. Thompson, Richard E. Vanduser, Mary Josara M. Wallber, Theodore W. Wilcox, Eileen C. Wilczak, Lynn M. Wilkinson, Sue R. Wilshaw, Joy J. Wilson, Theresa A. Wilson, Nancy L. Wixom, Anne G. Young

5 Years

Hannah B. Ahmed, William S. Anilosky, Gerald C. Bateman Jr., Sharon H. Battaglia, Alice M. Bernhard, Deborah Bongiorno, James T. Bondi, Shirley L. Bower, Rexene Brugnioni, A. Kathleen Bryant, Patricia Buscemi, Rita C. Byrne, Laurie S. Carapella, Joan A. Carr, Carolyn Champ, Barbara J. Ciccarelli, Catherine Clark, Janice A. Clark, Joyce M. Clayton, Bette B. Colfer, Willie J. Collier Jr., Karen L. Courtney, Alice A. Cutaiar, Lisa M. Davenport, Alan J. DeBack, Constance Della Pietra, Joan Dowling, Hilliary P. Dunn, Mark W. Dupre, Billie L. Eisenman, Anthony Gerardi, Rosemary K. Greco, Christine Hammer, David L. Hathaway, Veronica T. Hendrie, Louise J. Hoffere, Melinda J. Hopper, Vincent Incardona, Mary E. Jenkins, Nancy A. Johnroe, Guey M. Kassay, Jennifer A. Kirkpatrick, Cynthia K. Kohlman, Dorothy A. Krause, David J. Krohn, Lisa B. LaLonde, Raymond E. Lance, Rose Ellen Larish, William R. Lavigne, Katherine A. Leitch, Mark D. Lessard, Georgia M. Lester, Diana A. Lippa, Sydney S. Long, Susan M. Lowe, Edmund S. Lucas, William Lundy, Martin R. Maas, William H. Manzer, Kathleen Marlowe-Moore, Gary J. Mauks, Patrick J. McNenny, Linda Meyer, Barbara G. Miller, Cheryl L. Miller, Sharon R. Milton, John A. Mitchell, Sharon A. Mooney, Mary E. Morrison, David P. Mulvihill, Newton J. Munson, Kathleen D. Nyerges, Elouise R. Oyzon, Linda M. Parmeter, Mary Ann Pearl, James R. Peinkofer, John A. Pelc, Eillie Pendergrass, Daniel D. Pershing, James D. Proctor, Deborah S. Resch, Thomas M. Ricci, James E. Rice, Patrick Rivers, Janet J. Rossi, Linda A. Rubel, William J. Rudnicki, Carl Salvaggio, J. Jean T. Santacroce, Stephen L. Schultz, Margaret Seabrook, Barbara F. Shaffer, Martha M. Shippee, Daniel P. Smith, John R. Smith, Ruben Soto, Janet M. Stein, Garry J. Stellman, James L. Tennant, Joan E. Thomas, Nancy J. Toole, Marcia S. Trauernicht, Carolyn A. Turner, Kathy J. Tyson, Tommy Walker Jr., Angela O. Watts, Mark J. Watts, Marcy A. Watts, Rena L. Weiss, Carol A. Wetzell, Dorothy M. Wilkins, Edmund J. Wolff, Paula E. Wollenhaupt, Geraldine Yuna

Faculty Mentors Provide Guidance for Student-Athletes

It's not uncommon these days to see a member of the RIT faculty at a varsity team practice, traveling with a team to a contest, or merely chatting with a student-athlete between classes.

For the past eight years, a mentorship program consisting of volunteer faculty members has been in place within the Department of Intercollegiate Athletics. Director Lou Spiotti points out the organization's function. "We have a group of friends from different colleges who are willing to assist with the special challenges our student-athletes face."

Initiated by Dr. Chuck Layne, formerly of RIT's Technical & Education Center, the program is now coordinated by Dr. Terence Morrill, professor of chemistry in the College of Science. Morrill also serves as RIT's faculty representative to the National Collegiate Athletic Association (NCAA).

"We're here to reinforce the importance of academics," offers Morrill. "Whether it's checking on a student-athlete's academic progress, talking to an adviser, assisting with scheduling, or meeting with prospective students and parents, our goal is to let our students know that we're interested in the total college life picture. By spending time with recruits, we can convey the message that RIT is an excellent place to obtain a degree while successfully packaging academics and athletics."

Morrill stresses the importance of teamwork. "We strive for a good blend of personalities between the mentor and coach. However, as in any volunteer activity, we never have enough people. It takes a reasonable amount of commitment." Morrill points out that some faculty and staff members want to remain supportive, but in a less active role. "We need friends as well as

mentors," he emphasizes. The group meets quarterly throughout the academic year.

Faculty and staff interested in joining the group are urged to contact Morrill at -2047.

"As educators, we need to take a more active interest in our students' lives," adds Spiotti.

Morrill terms the entire process one of networking. "As a Division III institution, we stress the importance of hard work and learning to budget your time. We ask an awful lot of our students, but at the same time, we help them realize the pressures of combining academics and sports."

Spiotti sees the mentorship program as one piece of the big pie. "They help to spread the word about intercollegiate athletics into the community, while adding credibility to our program. We've had some real success stories," he says. "Last quarter our student-athletes had a combined GPA of over 2.7, and two teams exceeded 3.0."

The goal is to support each of RIT's 20 varsity teams. "Most of our teams have mentors," says Spiotti. "A number of our mentors have been with the same team since the program's inception."



Dr. Terence Morrill, chemistry professor and coordinator of the Department of Intercollegiate Athletics mentorship program, chats with student-athletes Chris Garrett and Todd Paulauskas between classes. Garrett, a chemistry major, participates in soccer and track; Paulauskas, an international business major, plays basketball.

Industrial Design Students Learn How to Appeal to '90s Consumers

Industry must meet the needs of its buyers. More than ever, knowing what consumers want—especially in terms of convenience, cost, and environmental health—ranks high in the cautious marketplace of the 1990s, say faculty, students, and businesses at work in the Industrial, Interior, Packaging Design Department.

Students in associate professor Bob Kahute's industrial design class learned firsthand how difficult it is to figure out all the angles to making a "packaging system or components for use by gourmet food emporiums to package, protect, and transport fresh prepared foods" to upscale consumers, including corporations and "fast-food community catering." In other words, students had to create containers that didn't slop, spill, or mix up foods; that kept foods hot or cold as needed; that workers could assemble easily; that fit in a shopping bag; that used "earth-friendly" packaging; and that looked good, could be delivered quickly, and didn't cost too much.

"We wanted the students to understand that what people want is crucial to the design. Good designers take into account more than the physical elements of any design problem," says Kahute.

The 44 students, divided into design teams, also had to add environmental concerns to their list of parameters. The designs all had an element of elegance suitable for

their market. They also shared constructive criticism and comments from packaging executive Liz Hirschev of Climax Manufacturing Company.

Climax agreed to work with Kahute's class with the understanding that the company has rights to purchase, exclusively, any of the team designs for use in its packaging division.

Final package design judging takes place May 20, with awards presented during the College of Fine and Applied Arts ceremony, 8 p.m., May 24, in the Bevier Gallery. Winners will receive monetary awards from a \$1,500 fund donated by Climax.

Other project consultants include Leslie Hopkins, marketing director, Stolt Advertising Agency, and Floyd Misek, a culinary consultant.



A DUAL-CAREER MAN... Ray Bentley, linebacker for the Buffalo Bills and writer/publisher of children's books, visited RIT's Horton Child Care Center Apr. 23. Bentley, a father of four, read one of his "Darby the Dinosaur" books to a group of children. He later spoke to students, faculty, and staff members in the Panara Theatre about how he manages his dual career. Bentley appeared as part of NTID's Special Speaker Series.

'Bloomies of Bookstores' Sells Books—and a Whole Lot More

When you think of art at RIT, you think of the Bevier Gallery with its conceptual avant-garde exhibits, the halls and meeting rooms of the Student Alumni Union with their post-modern abstract wall fixtures—even the RIT Tiger standing guard at the west entrance of the Union comes to mind. And, don't forget Campus Connections bookstore.

Designed by world-renowned architect Ken White, Campus Connections has been described as a work of art in state-of-the-art. The marble walkways and carpeted sections create a ritzy department store atmosphere. The wood-paneled and brass-trimmed book section is comparable to the libraries of exclusive clubs. Occupying 16,800 square feet, Campus Connections has been a source of every basic college student need since its opening Jan. 7, 1985. Six years later, the store the Rochester Democrat & Chronicle described as "The Bloomingsdales of Bookstores" still lives up to that name.

Despite its remote location—in a suburb, as opposed to a metropolitan center—Campus Connections is ranked by the National Association of College Stores as the 59th largest in sales nationwide among college stores. Located in the annex of the Student Alumni Union, the bookstore sells clothes imprinted with the RIT name and those without; school and art supplies; computers; office supplies; camera equipment; gift items—and the list goes on.

But what about books? "We carry the most complete selection of technical books among college stores," says John Roman, director of Campus Connections. Roman's statement is reinforced by the electronic database on the premises that ties into Ingram Inc., the largest book wholesaler in the country. "If you cannot find your book from the 15,000 titles we have on the shelves

Faculty in Residence Files Report, Enjoys Year Living with Students

The following letter is from Sandra Ebling, academic coordinator of the Higher Education Opportunity Program (HEOP), who was chosen as Residence Life's Faculty in Residence for the 1990-91 academic year. She lived in Sol Heumann Hall, experiencing residence life along with the students.

I made it!
Living in the residence halls has been a fantastic experience, both positive and

enriching. I've now seen life from the other side (the students', that is), and appreciate so much more about the student "life" at RIT. The halls really are much more than dorms: they're a place to live, a home. And I must say, having a faculty person in the halls has really begun to build a bridge to the academic side.

- It is my pleasure to report:
- 40 faculty volunteered to conduct programs in the halls on a variety of topics
 - 16 floor programs were conducted involving more than 150 students
 - I attended 14 student government and RA/HM staff meetings
 - Two articles were published and a radio announcement was made promoting the Faculty in Residence Program and its goals.

I made numerous contacts with students—over dinner, in the laundry room, in the weight room, in aerobics class, walking to class, and walking back again. And there is so much more to do.

But the time is fast approaching to pass the reins on to another faculty person who would like to live in the halls during the 1991-92 academic year. I promise you, you will gain so much, and have the opportunity to give so much back to our students. If you wish to continue to build a bridge between faculty and our students living in the residence halls, I encourage you to apply now to the Faculty in Residence Program of the Department of Residence Life. The position is designed so that you continue your faculty duties but also live in the halls for one year. Benefits include a furnished and air conditioned two-bedroom apartment (utilities included) and a meal plan. The apartment also contains a B-jack for access to the VAX system from your home. The time commitment required on your part is approximately 15-20 hours per week.

For application information, contact Daniel Ambrose, coordinator of staff development and training, Department of Residence Life, 1416 Grace Watson Hall, -7044 (V/TDD).

I will continue in my position until the end of June, so if you have any questions, or would like to just chat about the position, please call me at -5492.

One final note as I begin to finish my year: thank you to all the students who have made me feel so much at home all year long. You have provided me a wonderful experience I will remember all my days.

Campus Stores to Close

The Student Alumni Union candy counter and Campus Connections will be closed for inventory June 27 and 28. Purchases made with a departmental authorization must be made prior to close of business (4 p.m.) Wed., June 26, for them to be charged to the fall 1991 budget. The stores will reopen for business July 1.

PERSONNEL UPDATE

From meetings with faculty and staff regarding the RIT retirement programs, a number of often-asked questions have surfaced. The benefits staff would like to share the following responses with you in the hope that they answer a question you may have entertained at one time or another. We also hope to encourage you to take advantage of the programs, either for the first time or on an expanded basis.

Q: What benefit does this plan offer me?

A: When you participate in an RIT retirement plan, you take advantage of one of your most valuable employee benefits. *Immediately upon hire*, you may contribute on a pretax basis into the investment of your choice. Your contribution not only lowers your taxable income, but also earns you competitive interest. After two years of regular RIT employment, you are eligible to receive the Institute's 10% contribution. RIT will put 10% of your base salary into the TIAA/CREF Regular Annuity as long as you contribute a minimum of 2%.

Q: If I leave RIT, do I lose the contributions that accumulated in my TIAA/CREF or Fidelity accounts?

A: No, your contributions are 100% vested right from the start of participation in the plan. You may wish to continue contributing into your quarterly statements reflecting account earnings and balance information. If you become employed at one of the 4,300 institutions across the U.S. that use TIAA/CREF, you may begin salary reduction contributions into your existing account just as you did at RIT.

Q: Do I need to fulfill the RIT retirement "formula" in order to draw income from my TIAA/CREF or Fidelity account?

A: No, you may begin retirement income upon separation from RIT employment. However, if you elect to begin income from your TIAA/CREF or Fidelity account(s), you must conform to the IRS guidelines on lump-sum distributions begun prior to age 55. Retirement income taken as a life annuity is not subject to those age restrictions.

Q: Is it really worthwhile to begin this plan? I cannot afford to contribute 2% of my pay to receive RIT's 10%.

A: Yes, it is *very* important to utilize this benefit. Any financial adviser will recommend, without hesitation, that you take advantage of your employer's retirement plan. Where else can you realize a 500% return on your 2% investment? Due to the pretax nature of the contribution, your 2% will reflect a lower "take-home" bite than you think. For example, if your 2% equals \$10 per week, your net pay would be roughly \$7 less. It may help to time your enrollment into the plan to coincide with any expected pay raise. The reduction will be a bit less painful if it is offset by a pay increase.

CALENDAR

May 17-20—Book Buy-Back, 9 a.m.-4 p.m., Campus Connections

May 20—Peace Service, 12:10 p.m., Allen Chapel

May 22—meeting: Minority Alumni Advisory Committee; 6 p.m., Alumni House

May 24—Book Buy-Back, 9 a.m.-4 p.m., Campus Connections

May 25—Commencement 1991 ceremonies and events, 8:30 a.m.-4:30 p.m.

May 25—Book Buy-Back, 11 a.m.-2 p.m., Campus Connections

May 28—symposium: UT Symposium '91, United Nations Institute for Training & Research; featured topics include Integrated Services Digital Network (ISDN), Open Systems Interconnection (OSI), and Government Open Systems Interconnect Profile (GOSIP); first floor, Carlson Center

June 8—"An Art Event with Wendell Castle," explanation of his woodworking exhibit; 7:30 p.m., Memorial Art Gallery, Rochester

June 26—meeting: Minority Alumni Advisory Committee; 6 p.m., Alumni House

• **Warren Sackler**, assistant professor, School of Food, Hotel, and Travel Management, recently returned from Sheffield Polytechnic Institute in England, where he lectured on subjects including beverage operations, catering, and food cost control in hopes of establishing a summer exchange program with Sheffield's food and hotel students.

• At the February meeting of the Rochester Section of the American Statistical Association, **Dr. James Halavin** of the Department of Mathematics presented the lecture "Statistics and the Law." Also, **Dr. David Farnsworth** of the Department of Mathematics presented a review of the book *Elementary Statistics* by Mario Triola.

• Four graphic design students recently designed an issue of the American Center for Design/Students in Design national newsletter. **Bill Cosgrove, Leslie Lord, Pam Takach, and Cindy Vacek**, along with faculty advisers **Nancy Ciolek** and **Deborah Beardslee**, designed the newsletter using the Macintosh II.

• In the February 1991 issue of *National Business Education Forum*, **Mary Beth Parker**, assistant professor, NTID Business Occupations, and **Diane F. Weisskopf**, visiting instructor, NTID Business Occupations, published their first article, "An IDEAL Approach to Evaluation."

• The National University Teleconferencing Network awarded its 1990 Most Profitable Program Award to RIT's video teleconference "Quality Engineering by Design: An Introduction to the Taguchi Approach." The live satellite broadcast featured **Thomas B. Barker**, associate professor, Center for Quality and Applied Statistics. The program was directed by **David Cronister**, Instructional Media Services, and produced by **Susan M. Rogers**, Office of Distance Learning, and **Bill McQuilkin**, Center for Quality and Applied Statistics.

• **Jerry M. Adduci**, Chemistry Department, presented a seminar, "High-Performance Liquid Crystal Polymers," at the State University of New York at Brockport Feb. 26.

• **Ronald F. Amberger**, professor, mechanical engineering technology, delivered the paper "Analysis of Engine-Powered Refrigeration with Heat Recovery in Industrial Refrigeration Plants" at the annual meeting of the International Institute of Ammonia Refrigeration March 25 in San Francisco.

• **Bruce A. Austin**, College of Liberal Arts, has had volume five of his *Current Research in Film* book series—*Audiences, Economics, and Law*—published by Ablex Publishing Corp., Norwood, N.J. It contains 12 chapters written especially for the *Current Research in Film* series.

• **Kener Bond**, acting chair, Foundation Department, College of Fine and Applied Arts, and senior metals student **John McNulty** made a presentation at the Society of Ornamental Turning on ornamental turning using hand-machinable wax and epoxy-treated wood. The national meeting was held at the Verango Museum of Art, Science, and Industry in Oil City, Pa.

• **Jacqueline Lynch Czamanske**, learning disabilities specialist, Office of Special Services, presented the model college transition program at the national conference of the Council for Exceptional Children in Atlanta, Ga., Apr. 3.

• **Dr. Alejandro Engel**, Department of Mathematics, published the article "Some Considerations on a Simplified Version of Leslie's Model" in volume 52 (1990) of *Ecological Modeling*.

• **Thom Foote**, data communications technician, ISC, received a bachelor of science degree in management information systems from the College of Business at the end of Winter Quarter 1991.

• **Dr. Eugene Fram**, J. Warren McClure Research Professor, and **Dr. Robert Pearse**, chairman, Department of Management and Marketing, College of Business, published the article "Custom Design Your New Exec's Orientation Program" in the March/April 1991 issue of *Nonprofit World*.

• **Dr. Thomas Gennett**, assistant professor, chemistry, is coauthor of a paper, "Electrochemical Sensors: A Review of Their Theory," which appeared in the February issue of *American Laboratory*.

• **Dr. Peter Giopulos**, acting dean, College of Fine and Applied Arts, received the Henrietta Council 1991 Community Award for Culture & Arts.

• **Dr. Marvin Gruber**, Department of Mathematics, had his paper "The Efficiency of Jack-knifed and Usual Ridge-Type Estimators: A Comparison" published in the January 1991 issue of *Statistics & Probability Letters*.

• **Vinnie Gupta**, associate professor, College of Engineering, published a paper, "Thermodynamic Analysis of Elastic Deformation," in the *Journal of Materials Education*, vol. 12(1990), pp. 223-246.

• **Dr. John Helmuth**, College of Business, delivered a speech, "The 1991 Recession," to the Estate Planning Council of Rochester Feb. 14 at Marine Midland Auditorium.

NEWSMAKERS

• **Dr. Merle Hirsh**, visiting professor of plasma chemistry, has been awarded a \$64,681 contract from Polar Materials, Inc., to study the formation of electret films.

• **Thomas D. Hopkins**, Gosnell Professor of Economics, College of Liberal Arts, spoke on "Use of Risk Assessment in Agency Priority Setting" at the Harvard School of Public Health conference held at the Harvard Club in Boston March 6-7.

• **Dr. Andreas Langner**, assistant professor of chemistry and RIT's 1990-91 Sears, Roebuck Foundation Teaching Excellence and Campus Leadership Award winner, has been selected to participate in this year's Forum on Exemplary Teaching. The Forum is a special program for faculty held in conjunction with the American Association for Higher Education's national conference in Washington, D.C.

• **Weinian Luo**, a student in the graduate program in school psychology, College of Liberal Arts, will present his paper "School Psychological Services for the Children of Recent Chinese Immigrants" at the annual convention of the Chinese-American Academic and Professional Society. CAAPS has invited him to give a technical talk to the Chinese education session. His paper was written in Spring Quarter 1990 to fulfill course requirements for the Seminar on School Psychology course.

• **Dr. Cynthia L. McGill**, assistant to the provost, was the keynote speaker at the ninth annual Antoinette Brown Blackwell Awards presentation in Henrietta, N.Y., Apr. 6. Her topic was "Women College Presidents as Leaders of Educational Reform in the Late 1800s."

• **Dr. Francena Miller**, who retired from teaching in the College of Liberal Arts in 1986, will deliver the keynote address at the American Association of University Women's fifth annual Woman of the Year Award presentation ceremony May 21.

• **Dr. Terence Morrill**, professor of chemistry, recently presented seminars on "2-D Magnetic Resonance" at La Salle University and "Wilkinson's Reagent and Boron-Hydrogen Bond Activation" at Smith College.

• **Ann Elizabeth P. Nash**, Office of Cooperative Education and Placement, had her photo/text exhibit "Second Room" on display at Nazareth College's Little Gallery Apr. 8-May 3.

• **Dr. Ken Nelson**, professor of history, College of Liberal Arts, published an essay, "The Impact of Munich on Franco's War," in the 1990 issue of *The Proceedings of the Middle Atlantic Historical Association of Catholic Colleges and Universities*.

• **Dr. Alan Nye**, professor, mechanical engineering, and **Alan Franz** and **Jeff Szczepanski**, fifth-year students in mechanical engineering, presented a paper on RIT's solar car in Reno, Nev., at the American Society of Mechanical Engineers Solar Energy Conference March 17-20.

• **R. Roger Remington**, professor of graphic design, College of Fine and Applied Arts, presented a lecture on American pioneer designer Charles Soiner at the fourth annual Symposium on Graphic Design History, "Modernism and Eclecticism," at the School of Visual Arts in New York City.

• **James E. Rice**, McGhee Professor, School of Photographic Arts & Sciences, conducted two seminar sessions on "Basic Training in Your Laboratory" at the Society of Professional School Photographers meeting in Las Vegas Feb. 20. He also received a \$1,000 gift from the Carter Harmon Scholarship Fund established by the society.

• **Dr. Gail Rothman**, associate professor and chairperson of counseling services, NTID School of Visual Communication Careers, presented several "Student Learning Style: Assessment and Implications" workshops to faculty and students at Hinds Community College in Raymond, Miss., Feb. 25-26. The workshops were sponsored by the Postsecondary Education Consortium, a federally funded project that assists its member schools in expanding their vocational, technical, and adult education services to hearing-impaired persons.

• **Dr. Raymond A. Santirocco**, assistant professor, College of Continuing Education, spoke at a monthly meeting of the American Society for Public Administration on the subject of "Municipal Refuse Districts."

• **Bruce Sodervick**, College of Fine and Applied Arts, was a visiting artist at the Appalachian Center for Crafts in Smithville, Tenn., Feb. 19-21. The visitation involved slide presentations and critiques with the students. The primary focus was on the integration of multiple techniques within one work.

• **Carl Spoto**, coordinator of counseling services, and **Robert Moore**, chairperson of the Electromechanical Technology Department, NTID School of Science and Engineering Careers, presented a paper, "Pre-Freshman Retention: The CORE Year Program at NTID," at the College Industry Education Conference of the American Society for Engineering Education in San Diego. The paper was also published in the conference proceedings.

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Editor: Trudi Marrapodi **Designer:** Monica Guilian **Contributing writers:** Sarah Breithaupt, V.J. Dollard, Roger Dykes, Neil Fagenbaum, David Martin, Laurie Maynard, Karen Miller, Bonnie Travaglini, Diane Zielinski, NTID Public Affairs

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Rochester Institute of Technology

One Lomb Memorial Drive
Post Office Box 9887
Rochester, NY 14623-0887

