



GOING FOR #11 . . . The men's soccer team has reason to celebrate after starting the season with a 6-1-1 record. Coach Doug May's Tigers are eyeing their 11th trip to the NCAA Division III playoffs next month. RIT's next home game is Wed., Oct. 19, at 3:30 p.m. (Photo by David Carson)

Commencement to Begin University-Wide Tradition

The RIT Policy Council last week approved changes for RIT's Commencement ceremonies that will establish a university-wide tradition celebrating student achievement and teaching excellence.

The recommendation of the Graduation Task Force calls for a 5,000- to 6,000-seat capacity tent as a third venue. The tent will be used for a Friday-night academic convocation and the Commencement ceremonies for the colleges of Applied Science and Technology and Imaging Arts and Sciences.

"Having a venue of this size eliminates the need for limiting the number of tickets available to graduates for Commencement," said Commencement chair Sue Provenzano. "It also establishes a setting for a university-wide Commencement celebration."

The tent is planned for the center bay of S-Lot, which accommodates a structure of this size with minimal site preparation costs.

The Commencement changes will increase cost by \$55,000 over budgeted costs, plus a speaker's fee.

The Friday-night convocation will recognize Ph.D. candidates, academic honors, and outstanding faculty. There also will be a student speaker from the graduating class and a reception.

One highlight of the evening event will be a major national speaker and the possibility of granting an honorary doctorate. Students, faculty, staff, and administrators will be involved in the speaker selection process. In addition to graduates and their families, the event will be open to the RIT community.

The Saturday Commencement ceremonies will continue the tradition of individual recognition of graduates. Each of the larger colleges will have separate ceremonies, while the smaller colleges will be paired. However, this is not expected to increase the total length of the paired ceremonies. The grouping of the smaller colleges is an effort to conclude the overall ceremonies by approximately 1 p.m. so that graduates and their families can participate in college and department receptions.

Expanded parking, shuttle services, and food service options will be planned to adequately meet the concentrated flow of graduates and guests. Music in all of the Commencement ceremonies and entertainment throughout campus will complement the overall planned festivities. As in past years, President Simone will attend all ceremonies.

In other Policy Council action, the calendar was approved for 1995-96, with school to begin with the President's Community Address on Tues., Sept. 5. The schedule avoids beginning the academic year on Labor Day. Policy Council also approved a revised RIT Educational Records policy.

Three Suspended For False Alarms

Three first-year students have been suspended from RIT after admitting their role in causing six recent false fire alarms in the campus residence halls. A male and female student were identified by Campus Safety on Oct. 7, following an ongoing investigation into a series of false alarms and their admission that they caused five of the alarms. A third male student was linked to a separate incident.

The students were taken before RIT Judicial Affairs and were immediately suspended from RIT.

RIT to Initiate Managed Attrition

Guidelines for Exceptions To Be Developed, Discussed

On recommendation of President Albert Simone, the Finance Committee of the Board of Trustees has approved one element of a 1995-96 budget plan that calls for a 5.1 percent salary merit pool and fringe benefits package. The one-year approval is contingent on RIT successfully implementing a managed attrition program.

Guidelines for the managed attrition program are being developed with administrators and governance groups.

Current position searches have been halted. In addition, individuals who leave the university between now and June 30, 1996, will be replaced only under exceptional circumstances.

Simone distributed a white paper on the subject early this week (Wed., Oct. 12), and an Open Forum is set for 10 a.m., Fri., Oct. 14, in Ingle Auditorium.

RIT's full budget plan, being developed Institute-wide later this year, will be presented to the Board of Trustees in January.

"It is clear that if we are to have the resources for salary increases, equipment, plant replacement, and implementation of our strategic plan, funds must come from within existing resources," said Simone. "Our goal is to limit future tuition increases. Therefore, with operating funds already stretched, the salary line item is the largest portion of the budget that can be modified.

A priority is to do everything we can to avoid layoffs.

"At the same time, we want to be aggressive in realizing a salary increase pool that reflects the many contributions of our faculty and staff," Simone said.

The salary pool and fringe benefits changes were designed to meet recommendations in the Compensation Advisory Committee report submitted to President Simone last spring. The fringe benefits changes will be detailed in the next issue of *News & Events*.

An early retirement program previously considered has been rejected as not appropriate at this time.

While freshman and transfer enrollment has increased, part-time and graduate enrollment did not meet projection. Last December RIT projected 8,977.77 FTE for fall of 1994. This is approximately the same as the fall of 1993. Using consistent methodology in calculating FTE, 1994 results for budget are 56.3 below projection, a shortfall of .63 percent. According to Finance and Administration vice president Bill Dempsey, budgeted contingency funds will be used to offset the shortfall.

Jim Miller, vice president for Enrollment Management and Career Services, is heading a committee to study ways to enhance part-time enrollment, an area seriously affected by downturns in business and industry.

Welcome Families to Campus Life!

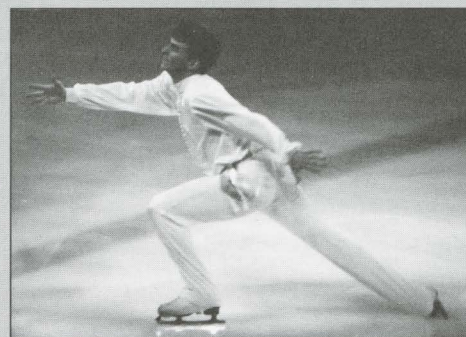
Family Weekend, Oct. 14-16, offers a role reversal; this weekend, students open their homes to their parents. RIT encourages students to "Share the Experience" with their families and show them college life.

Featured events of the weekend include:

- **18th Skating Spectacular**, featuring Todd Eldredge, 8 p.m., Fri. and Sat., and 2 p.m., Sun., Ritter Ice Arena, \$15 for adults and \$12 for children 10 and under; available from the Ice Arena (-2222) and at the door
- **The Client**, Ingle Auditorium, 7 and 9:30 p.m., Fri. or Sat.
- **Farce Fest**, RIT Players, 8 p.m., Fri. or Sat., Student Alumni Union
- **RIT Jazz Ensemble**, 9:30 p.m., Fri., Ritskeller, Union
- **RIT Gospel Ensemble**, 8:30 p.m., Sat., Schmitt Interfaith Center
- **RIT Singers and Philharmonia**, 3 to 4:30 p.m., Ingle Auditorium
- **Country Breakfast**, 8 to 11:30 a.m., Sun., Student Alumni Union Cafeteria

Saturday offers faculty forums and meetings on the following:

- **College Open Houses**, 10 to 12:30 p.m.
- **"And Fire Formed Them: RIT Field Studies in the Galapagos Islands,"** 10 to 11 a.m., Ingle Auditorium
- **"Parents of Freshmen—Share the Experience,"** 10 to 11 a.m., Skalny Room, Schmitt Interfaith Center
- **"It's a Deaf, Deaf World,"** 11 a.m. to noon, 1829 Room, Union
- **"An Insider's Look at Co-op & Careers,"** 11 a.m. to noon, Ingle Auditorium
- **Luncheon with the President**, 12:30 p.m., Union Cafeteria
- **Parents Council Meeting**, 2 to 3 p.m., 1829 Room, Union



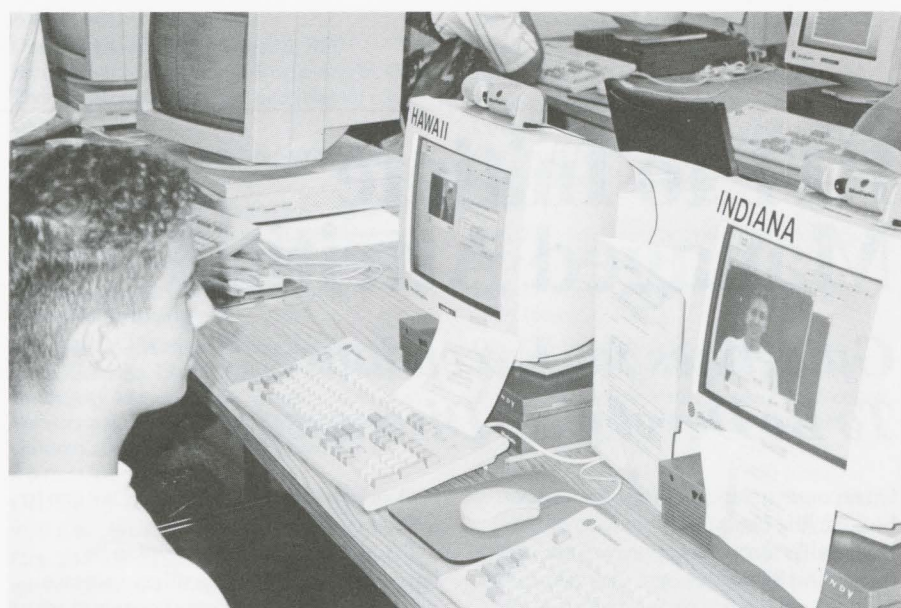
Family Weekend welcomes parents to RIT with events and activities, including the 18th Skating Spectacular featuring Todd Eldredge, world bronze medalist. (Photo © Dawn Norman)

Excellence Awards

President Albert Simone has presented the 1993-94 Presidential Awards of Excellence. See page 4.

DONATIONS

NSF Boosts School's Computing Power



Using new Indy workstations, students have their photos taken to be included, with brief self-descriptions, in an electronic class book available through Internet-based World Wide Web browsers.

A \$100,000 grant from the National Science Foundation has been applied toward the purchase of \$304,000 worth of laboratory equipment and software for the new object-oriented programming (OOP) curriculum in computer science. Included among the acquisitions are 61 Sun SPARCstation 2 workstations, 21 Silicon Graphics Indy color graphic workstations, and Eiffel programming environment software.

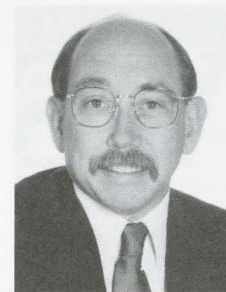
"This equipment and software support nine new OOP courses to be phased in starting this quarter as part of a major

revamping of our undergraduate curriculum," says Warren Carithers, associate professor and coordinator of undergraduate programs in the Computer Science Department. "OOP is becoming a widely accepted industry methodology and with these recent additions to our labs, students will be able to learn skills that will make them more attractive to potential employers."

OOP emphasizes abstract concepts and existing codes to develop flexible, reliable systems that are adaptable to network environments.

One of the first student projects using some of the new equipment was to develop an online electronic class book, which lets students "put faces with names." Using a camera attached to the Indy workstations, students' pictures were taken, combined with a brief self-description, and made available through Internet-based World Wide Web browsers.

The department also recently received a donation of two color SPARCprinters, valued at approximately \$6,000. The color laser printers are the first in the department to provide color hard-copy output of computer graphics. One will be used by faculty to prepare course materials, while the other will be available for students in computer graphics courses.



J. N. Musto

President's Breakfasts Look Into the Future, At Current Issues

J. N. Musto presented "The Future of Higher Education" in the Liberty Hill Breakfast Series Sept. 28. Musto, executive director of the University of Hawaii Professional Assembly, traveled the distance to share ideas and trends he said American universities cannot ignore.

Musto invited those present to look at RIT through a "scenario matrix," separated into four "stories," beginning with a weak economy and rising to a healthy economy, offset by a horizontal axis to measure local and global awareness. Discussions ensued on the impact of technology, global markets, and the shifting geopolitical nature of the world.

Simone has held more than 125 such informal discussions on current issues to promote a greater sense of community at RIT and with the greater Rochester community.

Topics to be covered in upcoming weeks include:

- "Domestic Partners," by Tim O. Mains, city councilman, Oct. 25
- "The Jefferson Middle School and RIT Partnership," by Wiley McKinzie, dean of the College of Applied Science and Technology, Oct. 27
- "ADA: Implications for the Work Place," by Jeanne Kincaid, Esq., Nov. 3

Presentations are by invitation only. Interested RIT community members may call Barbara Stalker or Barry Culhane at -7200. The Liberty Hill Breakfast Series 1994 receives support from the Army and Air Force ROTC, Campus Safety, Catering, and the staff of the President's Office.

Visiting Artist Series Brings Film Experts to Campus

The School of Photographic Arts and Sciences' Film/Video Department is putting some culture into October evenings with its free Visiting Artist Series.

First up is a lecture/demonstration by Mladen Milicevic, "Film Sound Beyond Reality," with excerpts from American cinema of "metadiegetic" sound. His lecture will show creative methods that can be used with sound and music to show a character's inner world, including hallucinations, dreams, and altered states of consciousness. It takes place from 2 to 4 p.m., Fri., Oct. 21, in Carlson Auditorium in the Center for Imaging Science. Milicevic, a film composer in his native Bosnia-Herzegovina before the war, teaches film at the University of South Carolina and holds two music degrees.

The series next offers a lecture and film screening by Ana Carrigan, coproducer of the film *Roses in December*, which won an Emmy nomination, and author of *Salvador Witness: The Life and Calling of Jean Donovan*, named by *Time* to its "Best of Pen" list in 1982. Her screening and discussion of *Roses in December* takes place 7 to 9:30 p.m., Tues., Oct. 25. She will lecture on her new book *Palace of Justice: A Colombian Tragedy*—a documentary account of the massacre of justices and

their staff by 19 guerillas—and her recent time in Chiapas (scene of the Mexican Indian/peasant revolt) from 7 to 9:30 p.m., Wed., Oct. 26, in Carlson Auditorium. Carrigan's visit is cosponsored by the Film/Video Department and the College of Liberal Arts.

Call -2743 for more information.

STAFF COUNCIL

RIT's Staff Council enters its second full year with a list of goals to attain: better communication overall, more accessibility, and more training and recognition for staff. This past summer the council organized an ice cream social to acquaint staff members with their representatives.

The council represented staff on the Strategic Planning Council and continues to represent them on the Agenda for Action Committee. To look at the needs of students, teachers, and staff, the council recently created a Child Care Task Force. It will also represent staff on the Commencement Proposal.

Anyone may reach Staff Council via VAX under the ASK system and through NOTES conference to see meeting minutes. For more information, call Peg Myers at -7656.

Library Assists Visually Impaired

A new Braille embosser in Wallace Library makes it faster and more efficient for blind students and faculty to read textbook pages, syllabi, course hand-outs, tests, and other hard-copy documents. Located in the Center for Visually Impaired, the Juliet Brailler prints interpoint Grade 2 Braille on various paper stocks.

"This state-of-the-art Brailler is part of our commitment to equal access for all library users," says Melanie Norton, NTID special services librarian. "The Juliet model expands our offerings of equipment and services to assist visually impaired patrons."

At the Center for Visually Impaired, information can be obtained in printed or audio format. In both cases, text is scanned and sent to either the Brailler for printing or to a speech synthesizer for oral presentation.

The Juliet Brailler was originally purchased jointly by NTID and the library for use at a symposium earlier this year for sensory-impaired people. Following the event, the device was placed permanently in the library.

Do You Know This Face?



Vonnie Pullyblank

In 1957, Vonnie Pullyblank took her first college course. In 1991, she graduated from RIT. So what about the intervening 34 years? "Oh, a few things came up," she says with a smile, in a response typical of her dry humor.

Actually, what came up were a husband, a new home, six children, numerous community organizations, and a career. It was the latter that brought her to RIT eight years ago, first as secretary in the Electrical Engineering Technology Department and now as the staff assistant to the director of the School of Engineering Technology. "That's a pretty important-sounding way of saying I get to go to the meetings nobody

else wants to," Vonnie explains. "My role is to coordinate all special activities for SET, such as admissions events and our summer seminars. I also am responsible for monitoring the school's budget."

Those are varied duties, but Pullyblank has plenty of experience with budgets, personnel, and planning to draw on. She has served on the Caledonia school board, as chair of the Caledonia Planning Board, as past president of the Livingston County League of Women Voters, and as an officer for of the annual Caledonia-Mumford variety show, a fund raiser that provides scholarships for music, band, and art students. "I love living in a small village like Caledonia and I think it's important to give something back to the place you call home," she says.

When she came to RIT, though, she dropped most of her community activities to concentrate full time on her job and earning her degree. "It took a little over four years of nights, weekends, and whenever else I could squeeze in a course to get my bachelor's in business management," she says. "My kids and I got into a mostly friendly competition over who would get the better grades. I won—most of the time!"

Of her many accomplishments, Pullyblank's family is far and away the one she's most proud of. "The biggest joy is that our kids have become very good friends with each other and with us," she says. "I have a very optimistic outlook on life and I guess I've been able to pass that on."



Plum and Two Birds is one of Japanese artist Eiichi Mitsui's works featured in the NTID Switzer Gallery Oct. 17 to Nov. 30.

Switzer Gallery Premieres U.S. Show of Japanese Art

NTID Switzer Gallery will feature the U.S. premiere of ceramic works of Japanese artist Eiichi Mitsui (also known as Tamekichi III), the foremost craftsman of Kutani ware, Oct. 17 to Nov. 30. An artist's reception will be held from 4:30 to 7 p.m., Tues., Oct. 25, in the gallery, located in the Johnson Building. Both the reception and gallery exhibit are free and open to the public. The gallery is open 8:30 a.m. to 4:30 p.m. weekdays.

A well-known Japanese ceramist, Mitsui, who is deaf, is a graduate of Kanazawa University College of Arts and Crafts, where he studied ceramic art. He

has received worldwide acclaim for his new style of colored porcelain that incorporates the traditional elements of Kutani ware, colorful and elaborately worked pieces of porcelain. Mitsui operates the porcelain business of Sanmeido, which was founded during the Meiji era (circa 1875). Since the late 1960s, his works have been featured annually at the Asahi Exhibition of Ceramic Art, the Exhibition of Modern Arts and Crafts, and the Exhibition of Japanese Art. In addition, he has had numerous one-man shows throughout Japan.



Ken Rosenthal

Students Urged To Get Involved

"Jump at the chance to do something, be a part of something, make a difference," suggests Ken Rosenthal, 1994-95 Student Government vice president. Rosenthal aims to represent the students accurately and fairly; however, he needs the students' support to meet those goals.

"Instead of blindly lashing out about things they don't have all the facts on," Rosenthal urges students to attend open Student Government Senate meetings every Tuesday at 12:30 p.m.

A student's interests may not extend into the political realm. Even Rosenthal finds politics the most difficult thing for him to do. "I need harmony, and I know I can't please everyone.

"Chaos bothers me," says Rosenthal, a native of Erie, Pa. It's easy to see from that statement why he wants to end up out West, "where there is more sky than land." Even though he wants to move to a small out-of-the-way area, "being alone terrifies me the most."

His "get involved" attitude has left no chance for him to be alone, with busy social and academic pursuits. Rosenthal, a biology major on the Dean's List since he came here, hopes to pursue graduate studies in wildlife management.

In his free time, Rosenthal reads almost anything from comic books to novels. In the long run he hopes that someday he'll write a book that will "be able to affect somebody, to touch someone on the inside."

Co-op Earns Industry's Respect

By Laura Mikols

Imagine being 22 years old and on co-op at a Fortune 100 company. You successfully tackle a huge assignment, forging profitable partnerships for your company, winning praise and admiration industry-wide. Attractive job offers abound. Sounds like every college senior's dream—except for Caleb Barlow. He made it a reality.

A fifth-year electrical engineering student, Barlow took corporate America by storm during his six-month co-op at Motorola last spring. Working as a computer integrated manufacturing engineer, Barlow launched a new inventory management system at Bipolar II, Motorola's wafer fabrication facility.

CIM engineers spend the majority of their time developing computerized solutions that maintain quality and improve productivity of the fabrication line. The previous stock room inventory management system failed to meet Motorola's needs.

Making silicon wafers—the incredibly expensive stuff computer chips are made of—is a high risk, high-dollar operation. The manufacturing line requires a vast amount of resources, from pens to specialized machine parts to clean room garments. The slightest error or hold-up incurs a huge dollar amount.

"If operators need a part, they need it yesterday," Barlow says. "The stock rooms run on an open-door policy, no questions asked, 24 hours a day."

Problems inevitably arose—large quantities of stock were misstocked, missing, or not tracked for reorder. Stock room managers didn't know who was taking what, or how much. A startling amount of money was wasted.

Barlow spent three months researching the operation, weighing alternatives, and seeking workers' input. The largest complaint he heard was that the system in place was difficult to use. When stock room operators initiated an order, they had to choose from one of Motorola's several vendor ordering systems based on three large mainframes.

"A half-dozen methods existed to order the same part—each requiring a different approval loop, different vendor, different quality, and different delivery time," says Barlow. "The objective of my project was to integrate all the systems to provide quick, easy information so users can make appropriate ordering decisions on the spot."

Time being of the essence, Barlow needed a prepackaged solution he could have up and running in a few months in a networked environment. "It had to be easily customizable, scriptable, and allow for data exchange between platforms," said Barlow. He came across what he needed in an accounting software program by Great Plains.

"The software was designed for bean counters—perfect for what we needed for tracking the extensive inventory in manufacturing," says Barlow.

He sold Motorola's business management on using the accounting software program and incorporating bar-code technology to increase accuracy, and advocated expanding staffing of the stock room from eight hours a day to 24.

Barlow adapted the accounting software into a computerized stock room inventory tracking system at a fraction of the cost of the previous system. "The real value, however, is not the price of the software, but the time our engineers save on a single project," says Barlow. "Modifications that previously required weeks and months are now made in minutes and days." The program runs in a graphical user interface environment, which makes it easy to use.

Future enhancements will allow factory floor workers to order parts online. "The main need for this type of ordering system is because of the facility's dust-free environment," says Barlow. When entering or leaving the factory floor, operators must gown in clean-room attire, remove all makeup, and pass through an airlock, he says. Under the old system, factory workers left the floor to place an order or

receive a part. Implementing an e-mail system, on the other hand, allows for orders to be delivered at a set time to an airlock pass-through. All orders can be placed electronically so operators never

Continued on page 7

IBM Updates Coming Soon

Within the next several months, there will be updates to the IBM mainframe administrative online environment. These updates will bring about changes in the way users log on to the mainframe and in the way users enter their passwords.

Information Systems and Computing is updating security software on the mainframe to increase the level of protection for administrative data and applications.

ISC will provide information to affected departments prior to implementation, letting them know how the changes will affect their IBM processing environment. One major benefit of this security update will be that the complex user ID (sometimes called a computer account) used to access IBM administrative applications will be eliminated. In its place users will receive a new user ID that will be similar to their Natural account, VMS account, or IBM VM/CMS account.

More information will be available in the next few weeks.

Lecture to Discuss Morrison's *Beloved*

As part of the 1994-95 Common Novel discussion, Dr. Earleen DeLaPerriere will talk about rites of passage in Toni Morrison's *Beloved* from 7:30 to 8:30 p.m., Wed., Oct. 19, in Ingle Auditorium. DeLaPerriere is a professor of English at the State University of New York at Brockport.

Allied Health Day Draws High Schoolers

Students from more than 100 area high schools learned about job opportunities in the field of allied health at the recent 14th annual Allied Health Career Day. Sponsored by the Department of Allied Health Sciences in the College of Science, the event featured speakers representing 15 different allied health careers.

Students attended presentations on various areas of medical study, including biomedical computing, biomedical photography, medical technology, nuclear medicine technology, physician assistant, respiratory care, and ultrasound. A special session for teachers, "Programs to Reduce Adolescent Pregnancy," was offered by Dr. Andrew Doniger, Monroe County Health Department director.

United Way Golf Fund Raising Up

Attracting the largest crowd ever, the RIT/United Way Golf Tournament raised \$3,600—up from \$2,004 last year. The scramble event drew 128 golfers to Shadow Lake's lush greens last month. Out of the 32 teams competing, Pat Sorce, Dan Tesoni, Bob Barbato, and Nancy Heuer took the mixed division title, and Mike Vernarelli, Roger Harnish, Paul Brule, and Barry Lee won the men's division.

If you can't golf like a pro, you can dress like one. Sporting color-coordinated outfits, Ken Kathan, Chris Bailey, John Kamon, and Eric Hardy earned the tournament's coveted "At Least I Looked Good" award. Other awards included "The Longest Drive," won by Mark Fairchild and Ann Costello, and "Closest to the Pin," won by Ken Jamros and Meredith Ray.

President Recognizes Excellence

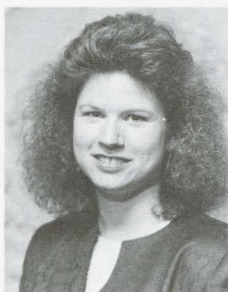
Presidential Awards for Excellence have been presented by President Simone to eight members of the RIT staff. The awards recognize exceptional contributions to advancing RIT educationally and/or in the community.

Presented with certificates at a recent Liberty Hill dinner were Peg Cass, Sheila Halton, Bob French, Bill McKee, Sue Rogers, Gus Thompson, John Weas, and Cathy Whittemore.

"We can never find enough ways to thank the many individuals whose commitment significantly advances this university," said Simone. "This is my way of thanking RIT staff recommended by vice presidents for special recognition."

The following comments were excerpted from the award presentations.

Margaret Cass, Controller, Finance and Administration Division



Peg Cass has made significant contributions to the Institute since joining RIT a little more than a year ago, among them the resolution of many issues related to the General

Accounting Office's audit of NTID. She has worked with a small group to write the proposed cost principles to govern NTID.

Her identification and analysis of methods for refinancing RIT's debt and her subsequent recommendation and presentation to the Board of Trustees drew special praise. She has been a key member of the Compensation Advisory Committee and served on the search committee for the vice president for Development.

In addition to her duties at RIT, Peg also serves as treasurer of the board of Ronald McDonald House of Rochester to support and promote its endeavors.

Robert French, Assistant to the Vice President, Enrollment Management and Career Services



Bob French's experience in admissions, enrollment, and financial aid has been a valuable asset in developing strategies to market RIT, especially in publications and

direct mail.

His experience also has served the university well in this year's strategic planning initiatives. Bob is frequently sought for his counsel and advice on matters of institutional importance.

Bob has been active in the formation of the Staff Council and served on the executive board and as chair of the election committee in 1993-94.

His willingness to step in wherever needed was said to be highly valued by his colleagues and the division. He has served stints as acting director of Admissions and acting director of Financial Aid. His knowledge, work ethic, and analytical ability make him a key member of the Enrollment Management team.

Sheila Halton, Administrative Assistant to the Secretary of the Institute and Assistant to the President



In her role, Sheila Halton has contact with most of RIT's internal and external support groups. Her position demands excellence in all of her responsibilities. Particularly evident during

the past year was her interaction and work with the Board of Trustees.

Sheila has been called conscientious and dedicated in her service to RIT. Those internally and outside of RIT who work with her consistently comment on her

extraordinary spirit of helpfulness. To the Rochester community, she continually puts RIT in the most positive light.

The Award for Excellence, in addition to focusing on major visible accomplishments, also is intended for individuals like Sheila who, day in and day out, produce superior results that advance RIT.

Bill McKee, Director of Communications, Communications Division



Bill McKee is a key player in RIT's tremendous growth in national visibility. When RIT appears in the local and national press, it is Bill's ability to coordinate efforts within the Commu-

nications staff that makes the media coverage possible.

Just as important, he is willing to accept the challenge to measure the effectiveness of his team and to be evaluated by standards above that of other universities.

He consistently accepts new challenges, follows up on story ideas from his supervisor, and is flexible when organizational or process changes are requested. His professional work on recent Admissions videos has contributed significant support to RIT's marketing initiatives. On campus he is known as a team player and a team leader as he effectively communicates ideas and executes projects across campus. His genuine interest in others enhances the quality of RIT.

Susan Rogers, Director, Educational Technology Center, Academic Affairs Division



Susan Rogers is known not only on campus as a pioneer in the use of technology and distance learning, but also is nationally recognized for her leadership in distance learning, and has helped

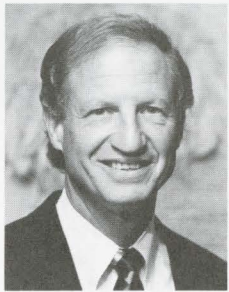
make RIT a leader in the field.

Through her national contacts and based on her expertise and quality products, she succeeded in bringing one of the seven national Annenberg/CPB Grants to RIT.

Sue's work has been highly effective—total distance enrollments have risen by more than 20 percent per year in each of the last five years and increased 40 percent in fall 1994. Her success is due, in part, to her ability to work effectively with faculty from all fields to use technology to extend and enhance instruction.

Her practice of total service quality management is reflected in her leadership. In the past year, as director of RIT's Educational Technology Center, she has brought a renewed enthusiasm to the production of both educational products and videos that promote RIT to the general public, alumni, and other friends.

Wendell S. Thompson, Assistant to NTID Director for Government and Administrative Affairs



As NTID's point man for government relations, including federal budget submissions and Congressional testimony for the past 14 years, Gus has been instrumental in gaining

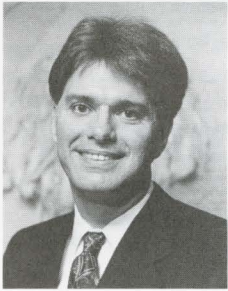
appropriation levels in excess of inflation during a difficult period.

During Gus's 14 years, the U.S. Department of Education, the U.S. Office of Management and Budget and the U.S. General Accounting Office have conducted countless analyses, reviews, and official audits. Gus was the Institute's liaison with the GAO audit team and successfully countered most of the findings and/or negotiated changes to strengthen internal

controls. Among them was his proactive establishment of a team of RIT financial staff and an outside consultant to develop a comprehensive set of cost principles.

Gus is also responsible for many administrative functions at NTID, including salary administration and affirmative action. Just since 1985, NTID, under Gus's leadership, has increased its representation of minorities on its faculty and staff from 17 to 54 and the number of deaf and hard-of-hearing employees from 47 to more than 100.

John S. Weas, Director of Residence Life, Student Affairs Division



John Weas loves students, and it shows in the exceptional commitment he demonstrates in his role as director of Residence Life. Organizationally, he has been cited for the exceptional

job of merging the departments of Residence Life and Apartment Life.

Students in both residence halls and apartments benefit from community councils John helped to establish. The councils act as a form of shared governance within the residence halls and have enhanced communication and decision making.

Under his direction, Residence Life has expanded its outreach to students through a variety of creative programming and the development of a residence hall computer network, "Ask Residence Life," an online service for answering questions related to

housing and residence life. John also has played a key role in the highly successful Faculty in Residence program and the "Neighbor to Neighbor" campaign that teaches skills to help resolve residence living issues.

Cathy Whittemore, Assistant to the President

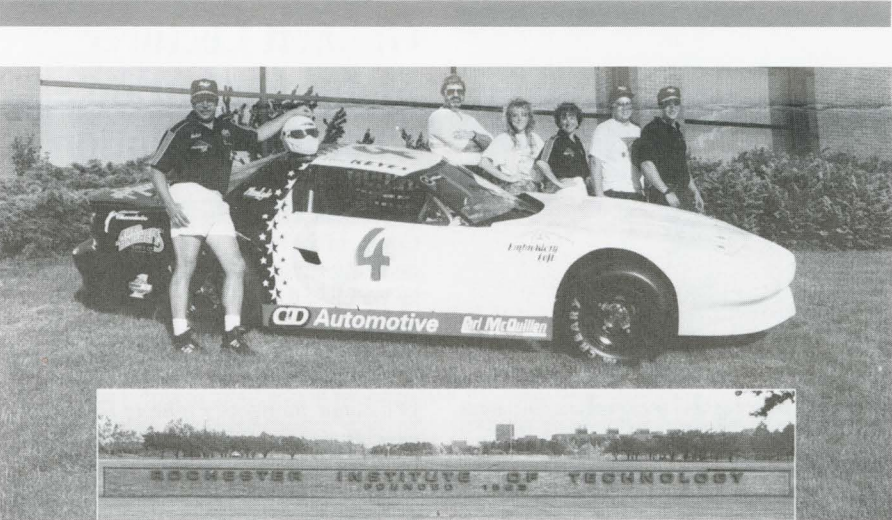


Operating behind the scenes, Cathy Whittemore is one of RIT's most effective and influential communicators. Cathy has served a leadership role under two presidents and effectively provided a transition to RIT's current leader.

She reviews all material sent to the president, produces reports, and provides important advice and counsel. Her genuine interest in RIT and individuals within the Institute family and the community is evident in all she does.

Cathy also manages the President's Office, a support team that is noted for its high degree of productivity and professionalism.

As a trusted aide to the president, she demonstrates a sensitivity to timing and has a dedication that helps the president meet the demands of a university on the move.



RIT's Moonlight Racers: Tom Keyes, '86, Xerox mechanical design engineer; Paul Stiebitz, '72, RIT assistant professor of industrial engineering; Kristine Dow, '92, owner of QualiGraphX; Patti Keyes, '88, owner of the Embroidery Loft; Joe Kushner, fifth-year industrial engineering student; and Jason Polzin, fifth-year industrial engineering student.

'Moonlight Racers' Put Engineering to the Test

By Laura Mikols

Chances are you've heard about RIT's national award-winning solar car and Formula car SAE teams. But you may not have heard about a bunch of everyday folks who moonlight as stock car racers—the Moonlight Racers.

Paul Stiebitz, assistant professor in industrial engineering, started the seven-member crew almost two years ago with RIT alumni, professors, and students. During the 1993-94 season, the Moonlight Racers built two identical cars, modeled after the 1994 Firebird, that accelerate at more than 100 mph on straightaways. From April through September, the team competes in 15-mile races at Apple Valley Speedway on Friday nights.

Why would an engineering professor spend so much energy starting a stock car race team? "Besides being a wonderful sport, there is no end to the engineering dimensions used to keep a race car competitive," says Stiebitz.

During the off season, the team draws a lot of support from the College of Engineering. Last year, Nabil Nasr, assistant professor in industrial engineering, and his students designed lightweight shock mounts during a class project. Bob Snyder, professor in mechanical engineering, helped with tire test calibrations and bearing cap hardness testing.

Student moonlighters last year initiated a tire testing program for a class project. Gerry Hurley, Chris Schmitt, Joe Kushner, and Dave Giovagnoli—now fifth-year industrial engineering students—designed and built a test fixture to measure the friction on tires with varying pressures, temperatures, and loads.

Stiebitz, a specialist in simulation, optimization, and systems design, says a race car is "the best sandbox around" for developing these areas. From now until next March, Moonlight Racers will meet two or three times a week to build next year's cars.



Assistant professor Mark Indelicato, coordinator of Telecommunications Engineering Technology, gives students at Park Road School in Pittsford a demonstration of a cellular fax machine.

SET Professor Takes Telecom on the Road

Telecommunications technology lets people communicate with the push of a button, whether from the U.S. to Japan or from Tom in the first row to Bill several seats back. That's one of the messages Mark J. Indelicato, assistant professor and coordinator of Telecommunications Engineering Technology, sends to area students during his Telecommunications Road Show.

For the past couple of years, Indelicato has visited classrooms and science fairs to talk about how telecommunications plays a big part in everyday life and to give

students a hands-on opportunity to see and use some of the latest equipment. Using the Rochester Telephone network and a central office switch provided by Redcom Labs of Victor, Indelicato gives demonstrations of PCs with modems, cellular fax machines, and regular telephones, and lets students communicate with one another via the equipment.

"This program is one of the ways our department fulfills a key strategic planning initiative, K-12 outreach," Indelicato says. "There's no better way to promote telecommunications and RIT than to take the technology directly to the students."

Along with the network and switching systems donations, the program receives additional funding from Rochester Telephone. The computers were donated by Hewlett-Packard Corporation.

RIT to Downlink Nat'l Quality Forum

An estimated 200,000 professionals across the country are expected to view "The Quality Forum X," to be broadcast live via satellite to 1,500 locations this month in celebration of National Quality Month.

From 10 a.m. to 1 p.m., Tues., Oct. 25, the College of Business and the RIT student chapter of the American Society of Quality Control will sponsor the local satellite broadcast of "The Quality Forum X" in Ingle Auditorium in the Student Alumni Union.

The forum, broadcast from Ford World Headquarters in Dearborn, Mich., features leaders from business, industry, and academia discussing quality improvement issues and presenting the findings of the latest quality surveys.

The national satellite forum is cosponsored by AT&T, Ford Motor Company, *Fortune* magazine, and ASQC. Ford Motor Company is the 1994 National Quality Month corporate sponsor, and Ford's chairman and National Quality Month chair Alex Trotman will be a speaker at the forum.

The forum is free and will be interpreted; the facility is accessible. Attendees may purchase lunch in the Union cafeteria near the auditorium. For questions, call Dr. Kathleen Fraser, College of Business, at -2398.

'Mr. B' Brings His Work Home



Don Bujnowski

He still loves coming home, as he has from more than 33 years of numerous trips to his family's native Poland, as well as Korea, China, and Europe. But Don Bujnowski will no longer have to travel such distances. Now the former teacher of weaving and textiles in the School for American Crafts takes a short walk from his barn studio through his back sun porch to help wife, Pat, with dinner. Home has become the full-time workplace and more of a base than ever before for the newly retired "Mr. B."

With a tapestry setting of rolling countryside, and a 150-year-old farmhouse filled with crafts and remembrances of students and friends from around the world, Bujnowski has good reason to enthuse about his Lima home as a base for action. In his side yard, a small vineyard grows, created from a friend's donated vines (he makes a variety of wines, including a delightful spicy white). A mini-barn with loft for yarn and fabric storage serves as studio in the back yard, its ceiling plastered with posters from the Bujnowskis' travels. And a working 1951 Chrysler Imperial (inherited from Pat's aunt) graces the garage.

After this summer of celebrating with his four grown children and their families, working on house projects, and moving his weaving paraphernalia from SAC, Bujnowski has begun some soul searching, discovering new paths for his work. With a new investment in a top-of-the-line loom and recent successful shows in Poland and Korea ("the Korean people, the artists I have taught and worked with, have a special place in my heart"), he returns to his roots in commission weaving.

"I'm doing what I taught my students all these years—pursuing my profession in the marketplace," he says. He and Pat head for Italy this month, to arrange a gallery show and investigate possible commissions, kicking off a reinvigorated lifestyle—after more than three decades of teaching.

EAP Extends a Hand To Employees in Need

You need only go as far as a newspaper to realize life just isn't easy. No one goes unscathed—not even RIT employees. Daily encounters on the job typically don't reveal a parent grieving the loss of a child, a person fighting an alcohol addiction, or someone struggling to make ends meet.

RIT's Employee Assistance Program recognizes that people do become overwhelmed, their job performance may suffer, and they need a place to turn. Approaching its 20th year on campus, EAP helps employees find support, confidentially referring them to services offered on campus or in the community.

"You can never give up on people," says Jim Papero, RIT director of EAP. "Regardless of the problem, there is always a way to find help."

When Papero established EAP on campus in 1975, RIT was only the second university in the nation offering the program, and the first organization in Rochester. RIT's program served as a model for both colleges and businesses. Today, 40 to 50 percent of colleges offer EAP.

Since its inception, more than 3,600 RIT faculty, staff, and family members have found help working through various issues. Papero says the success of EAP largely stems from the number of RIT employees who volunteer as advisers. Many of the advisers at one time struggled with a specific issue, resolved it, and now help others do the same.

"Some of these advisers are miracle workers," says Papero. "They never tell people what to do. They just offer options." He held a breakfast Oct. 11 to recognize advisers and celebrate EAP's anniversary.

EAP services cover a wide range of issues like financial advising, grief, fitness/exercise, substance abuse and alcoholism, mental health problems, and co-dependency issues.

EAP also takes a proactive approach, sponsoring employee wellness programs targeted to the entire RIT community. This fall, EAP offers noon-hour seminars on personal finance, nutrition, self-esteem, parenting, communication skills, dynamic walking, and even country dancing. For more information on the noon-hour series and other EAP services, call -2065.

Women's Council Dedicates Efforts to RIT

By Laura J. Mikols

Every month, a group dedicated to RIT gathers to learn more about the university and decide on ways to be supportive. Will it be funding another scholarship at the Horton Child Care Center? Donating money to support the International Students Emergency Loan Fund? Or the Student Affairs Emergency Loan Fund? In the past year, the Women's Council of RIT decided to do all of these things.

These active members of the community tour RIT colleges and academic facilities, meet with faculty and administration, and participate in campus special events. Last year the council arranged a fund raiser at NTID's production of *Steel Magnolias*. It donated all proceeds to The NTID Foundation and the NTID Creative Arts Program.

President Simone deemed the council's role in supporting RIT so important that he moved administrative support of the council into his office under the supervision of Fred Smith, secretary of the Institute and assistant to the president.

As council president, Norma Snyder serves on RIT's Board of Trustees. Celebrating its 40th year, the council continues to promote RIT's mission and success through educational programs, raising community awareness, and participating in projects that advance support for the university.



The Women's Council of RIT recently announced its 1994-95 executive board. Shown (left to right, seated): Betty Jane Fritsche, assistant treasurer; Gladys Taylor, historian and recording secretary; Nancy Staples, hospitality; Norma Snyder, president; Carol Mulford, member-at-large; Helen Rockwell, treasurer; (standing) Louise Carrese, communications; Betty Altier, Horton Child Care Center representative; Tina Murray, telephones; Barb Elliott, hospitality; Mary Kay Matteson, vice president; Suzanne Walker, special events; Betsy Clark, member-at-large; and Joan Potter, membership.

RIT Leads in Electronics Manufacturing

By Brad Rye

RIT is on the leading edge in preparing students for careers in one of the most rapidly growing fields—electronics manufacturing. Through extensive partnerships with leading electronics manufacturing companies that provide equipment donations and assist with curriculum development, the Manufacturing Engineering Technology Program has made electronics manufacturing a key focus. And for good reason—according to published reports, electronics manufacturing is forecast to be a \$2 trillion industry by the year 2000, up from a \$220 billion a year industry in 1980.

What sets RIT apart from other universities is the hands-on education students receive at the computer-integrated electronics manufacturing with surface-mount technology laboratory. The lab—the first of its kind for teaching the latest technologies in electronics manufacturing at a university—features more than \$2 million worth of equipment. Representatives from leading electronics manufacturing companies—who are part of an industrial advisory board—recently visited the lab for a

formal dedication and demonstration. Companies present at the event included IBM, Eastman Kodak Company, Delco Electronics, Allen-Bradley, Dovatron, MPM, TRW, Universal Instruments Corp., Harris Corp., Mitron, Hansford Automation, and AMTX. Other participating companies include AT&T, Motorola, AMP Incorporated, Detection Systems, Phillips Electronics, Hadco, Jet Propulsion Laboratory, and ASYMTEK.

“The lab gives students an opportunity to learn in state-of-the-art facilities, much like the ones used in industry,” says S. Manian Ramkumar, assistant professor of manufacturing engineering technology. “The lab is part of RIT and industry’s ongoing partnership response to the President’s recent national initiative to regain leadership in electronics manufacturing.” (The Clinton Administration’s Technology Reinvestment Project and Advanced Technology Program have identified computer-integrated electronics manufacturing as a key focus area over the next five years.)

Programs like RIT’s are just what industry demands in today’s competitive global marketplace. “Students from RIT are able to hit the ground running with us because they’ve already had a lot of practical experience through co-op and in the labs,” says Paul Denmark, supervisor of product management and engineering for circuit board assembly at Kodak. “Another distinct advantage is that RIT students bring knowledge gained from the multiple companies that support the Manufacturing Engineering Technology Program. We benefit from the best of what each company has to offer.”

Dr. M. Gene Lim, president of SEAM International Associates, an electronics manufacturing consulting firm, believes the value of labs is not just in the successes students have, but in the mistakes they make as well. “You can learn what doesn’t work, then figure out what does,” he says. “RIT students aren’t afraid of technology because they work with it every day. Those are the people industry needs to lead us into the next century.”



GETTING TO KNOW YOU . . . President Simone and his wife, Carol, hosted new faculty and staff at a reception at Liberty Hill Sept. 25. Among the guests were (from left) Michelle Cometa, Telecommunications Services; Eresi Kamyo, Liberal Arts; Joy Witt, Bursar's Office; and Hans Witt, Physical Plant.

RIT Gets Nat'l, Local Media Visibility

RIT maintains a high profile in the media, gaining valuable visibility in major national, trade, local, and regional media. Here is a sampling of recent placements:

- *Newsweek*: John Violanti, Liberal Arts, is quoted in a story on police suicide
- *Time*: A story on the new deaf Miss America includes comments from an NTID student
- *The Wall Street Journal Europe*: RIT's U.S. Business School in Prague is part of a story on MBAs in Europe
- Gannett News Service: Andrew DuBrin, Business, is part of a story on business executives and vacations
- Gannett News Service: Comments from Diane Hope, Liberal Arts, were included in a story on toys and gender roles
- Gannett News Service: John Mitchell, Counseling Center, is included in a story on daydreaming
- Tribune Media Services: The nationally syndicated Andrew Leckey column includes comments from John Helmuth, Business, on families going from two paychecks to one

- Los Angeles Times News Service: story on the Internet and people with disabilities features Norm Coombs, Liberal Arts
- *RangeFinder*: RIT's photography program is number one in *U.S. News & World Report* graduate rankings
- *About . . . time*: Story on Alfreda Brooks named chairperson of Commission for Promoting Pluralism
- *Manufacturing Engineering*: story on technology transfer includes RIT's CIMS
- *Meeting News*: 1994 Corporate Travel Index, for which the research is

conducted by the School of Food, Hotel, and Travel Management's Graduate Office

- *Engineering Horizons*: Article by S. Manian Ramkumar, Applied Science and Technology, on “Manufacturing a New Front”
- Gannett Rochester Newspapers: Story on industrial design students who designed products for people with arthritis
- *International Business*: Comments from Riad Ajami, Business, in a story on “face-to-face marketing”

Student Organizes ‘Walk About’

Many students walk around RIT, but how many people walk all the way *around* RIT? At 11 a.m., Sat., Oct. 22, all interested students are invited to participate in a “Walk About” around the perimeter of the campus to show representation and diversity.

Dana Parrinello, a first-year cross-registered RIT/NTID industrial engineering student, organized the Project Care fundraising campaign to increase student interaction while helping the Rochester community. The group plans to support local agencies, including Al Sigl Center, Epilepsy Association of Greater Rochester, Mary Cariola Children's Center, Rochester Hearing and Speech Center, The ARC of Monroe County, and United Cerebral Palsy Association.

“This Walk About is a take-off from the Walk About for the Al Sigl Center Nov. 9 at The Marketplace mall, which requires \$25 per person,” says Parrinello, who felt \$25 was a little steep to ask of college students. There is no fee connected to RIT's Walk About, but Parrinello said that donations will be appreciated.

In conjunction, from 9 p.m. to 2 a.m., Oct. 22, in Grace Watson Dining Hall, WCMF-FM will host a Dance-A-Thon. The festivities will include a mountain bike raffle. Ticket sales, at \$3 in advance and \$5 at the door, began Oct. 10 in the Student Alumni Union. All proceeds will go to the Al Sigl Center. For more information, contact Parrinello through the VAX, DMP8514, or her folder on the first floor of the RITreat.

Students Sweep Animation Awards

For the second year in a row, RIT film/video students have won all the animation category awards in the SMPTE/RAVA student competition. SMPTE, Society of Motion Pictures and Television Engineers, and RAVA, Rochester Audio Visual Association, co-sponsored the 17th annual contest and end-of-year student festival.

The computer animation graduate program is part of RIT's School of Photographic Arts and Sciences' MFA program, which won *U.S. News & World Report's* 1994 ranking of best graduate photography program in the nation.

In the student contest, first place went to John Leisenring for “Guardian Spirit,” second to Felix Blanco Jr. for “Where the Gods Meet” (a 3-D animation), and two honorable mentions went to Gretchen Miller for “That Little Match Girl” and Leah Bosworth for “Meshugaah.” In the nonfiction video/film category (nonanimated), Aaron Berman took first place for “Paper and Gold.” Winners in the other student contest categories came from Syracuse University, New York University, The New School of New York City, Canisius College, and Adelphi University.

- Faculty Council sponsored a convocation Sept. 15 for sharing views on the Strategic Plan's Proposed Action Steps. The faculty's comments were forwarded to the president and members of the Strategic Planning Steering Committee.
- John Morelli of the College of Continuing Education was elected to the Faculty Council Executive Committee to serve as treasurer, replacing Anna Wicks.
- The council drafted a statement of concern regarding the recent decision to change the reporting relationship between the Center for Imaging Science and the College of Imaging

Arts and Sciences. The statement will be forwarded to President Simone and the provost.

- The council also passed a resolution recommending that the Action Steps of the Strategic Plan state explicitly that all recommended actions will follow the policies and procedures in effect at the Institute, and any new policies will be proposed within the framework of the existing governance structures and processes.

Lecture Series To Explore ASL

A new lecture series, “ASL and English Literacy: Building a Language Community,” begins Oct. 14 at RIT. Presented by NTID's centers for Arts and Sciences and Research, Teaching, and Learning, the 1994-95 series will feature experts in American Sign Language and English literature.

Marlon Kuntze, bilingual/bicultural coordinator at the California School for the Deaf at Fremont, and Ed Bosso, principal of the Margaret S. Sterck School for the Hearing Impaired in Delaware, kick off the lecture series with “Developing ASL and English Literacy” at noon, Fri., Oct. 14, in the Panara Theatre and at 1 p.m. in the Visitors' Center in the Johnson Building. Kuntze and Bosso coordinate one of the first bilingual/bicultural programs for deaf students in the U.S.

To request voice interpreting via headset, call Sue Miller at -6814 (V/TTY). For more information, contact Laurie Brewer at -6692 (V/TTY) or at LCBNLA on the VAX.

Library Displays Graphics, Prints

Wallace Library's Gallery Two presents an exhibition of computer graphics by Andy Chase through Oct. 15. Chase, a third-year student in the Film/Video Department of the School of Photographic Arts and Sciences, uses landscape forms in this series of surreal images.

An exhibition of recent prints by Jeoung-Eun Lim appears in the Original Gallery through Oct. 15 and in Gallery Two Oct. 16 to 30. Lim's thesis exhibition includes intaglio prints, photoetchings, and silk screens. A native of Korea, she graduated earlier this year with a master of fine arts degree from the School of Art and Design, majoring in printmaking while also studying glass and metal sculpture.

Wallace Library galleries are open to the public during regular library hours: 7:30 a.m. to 11 p.m., Mon. to Fri., and 11 a.m. to 11 p.m., Sat. to Sun. For more information, call Barbara Polowy, art and photography librarian, at -2567.

FACULTY COUNCIL



Rochester-based Borinquen Dance Theatre will perform during *Celebrando la Cultura Hispana* Oct. 20 in Ingle Auditorium. (Photo © Pedro LaComba)

NTID Schedules Celebration Of Hispanic Heritage Month

In celebration of National Hispanic Heritage Month (Sept. 15 to Oct. 15), NTID will present *Celebrando la Cultura Hispana* from 7 to 8:30 p.m., Thurs., Oct. 20, in Ingle Auditorium. The event will feature a performance by the Borinquen Dance Theatre and presentations from students about Hispanic cultural heritage and what it means to them. Free and open to the public, *Celebrando la Cultura Hispana* is accessible to both deaf and hearing audience members.

A Rochester-based group, the Borinquen Dance Theatre introduces a dynamic blend of Puerto Rican folk culture and Latino

contemporary style to the world of dance. The group's expressive programs excite the senses with a rich blend of African, Taino Indian, and Spanish influences that make up Puerto Rican culture.

The celebration is cosponsored by NTID's Employee Relations/Affirmative Action and Human Development departments and RIT's Commission for the Promotion of Pluralism.

Professor's Software Combines Human, Computer Creativity

The creativity of a Duke Ellington meets the technology of a Bill Gates.

That's one way to describe a new musical software program created by John Biles, associate professor of information technology and jazz musician, that enables a computer to compose music for jazz solos. Biles developed the software—GenJam—while on sabbatical during the past school year.

GenJam, short for "genetic jammer," simulates a student learning jazz at a jam session. GenJam "improvises" solos that follow a chord progression being played by a rhythm section. It learns what to play from a human mentor, who listens to and critiques GenJam's solos.

"There have been other jazz software programs that manipulate other people's solos to create improvisations supposedly in the style of real jazz musicians," Biles says. "GenJam doesn't feature any canned licks; it makes up and develops its own melodic ideas with the guidance of its mentor."

Using a genetic algorithm, which uses principles of genetics to evolve a base of melodic ideas, GenJam only needs to see the chord progression of the tune to improvise on it. While a solo is playing in training mode, the mentor can type "g" for portions that sound good or "b" for those that sound bad.

"Being a mentor is a bit painful at first, but after a dozen solos it starts to make sense," Biles explain. "When I use GenJam on gigs, it can be an intimidating side-man because it makes all the chord changes. I flub notes—GenJam doesn't—but I have better ideas."

The final tune is a unique combination of human and computer creativity, complete with a preprogrammed rhythm section, live accompaniment, and computer soloist.

GenJam will be available via the Internet this fall, and Biles plans continual enhancements to the software. In the meantime, watch for Biles and his PowerBook GenJamming "in concert" at noon, Tues., Nov. 8, in the Student Alumni Union.

Red Ribbons Celebrate Freedom

Big red ribbons atop the Student Life Center and around campus symbolize hope to people facing the realities of drug and alcohol abuse. Working together to support alcohol and drug-free lifestyles on campus, the Substance and Alcohol Intervention Services for the Deaf and IMPACT sponsor the National Red Ribbon Celebration at RIT, Oct. 10-15.

President Bill Clinton, the 1994 honorary chairman of the celebration, writes in the *Red Ribbon* newsletter, "Young people are our nation's most important resource and most profound responsibility. Unfortunately, too many of our children suffer the devastating effects of alcohol and drug abuse, and their potential and talent are compromised as a result."

The National Family Partnership first began the Red Ribbon Celebration in 1988. Since then, more than 120 million people have joined the ranks of those living a healthy, drug-free lifestyle.

DONATIONS

NSF Grant Funds Microscopic Study

Things aren't always what they seem on the surface. Nevertheless, microelectronic and mechanical engineers need to study the surface of materials in product design. RIT's College of Engineering recently received a \$104,000 grant from the National Science Foundation to fund scanning probe microscopy for undergraduate engineering curricula.

Scanning probe microscopy, a technology first introduced commercially only four years ago, allows students to view material surfaces at one-hundredth of a micron to explore why a certain material is better in product design.

"Students will be able to see how atoms are arranged at the surface," says Vinnie Gupta, associate professor of mechanical engineering, and principal investigator of the NSF proposal. "They will see how material surfaces influence day-to-day living, enabling them to design better materials and better devices."

Gupta worked jointly with Marietta Scanlon, assistant professor of mechanical engineering; Michael Jackson, assistant professor of microelectronic engineering; and Santosh Kurinec, associate professor of microelectronic engineering, to obtain the NSF grant. Students from both areas will eventually work together designing micro-electro-mechanical systems, like a motor the size of a computer chip, stemming from surface-area knowledge.

"It is unique to have SPM available at the undergraduate level," Gupta says. "Many universities have the equipment for graduate research. RIT undergraduates get hands-on experience designed right into their undergraduate curriculum."

EMI Measuring To Aid Students

The Electrical Engineering Technology Department recently received a \$20,000 NSF Instrumentation and Laboratory Improvement grant to teach ways to measure and suppress electromagnetic interference. The money will be used to

purchase an EMI measurement set for use by students and faculty.

EMI, which causes faulty reception from satellites, cellular phones, radio stations, cable television, and other communications equipment, has increased as computers and other electronic devices have been made to run at faster speeds. The faster speed results in greater electromagnetic emission, which causes interference.

"This funding gives our students an advantage in career preparation because the teaching of measurement and correction of EMI problems is rarely incorporated in an undergraduate engineering technology program," says professor William Johnson of the Electrical Engineering Technology Department, who secured the grant.

Using the measurement set, upper-level students will test the EMI performance of student-designed computer boards and make recommendations for suppressing the level of emissions.

Computing Package Donated to Printing

Printing students will be able to manage color reproduction from input through output with a \$15,000 hardware/software package recently donated by Kodak Electronic Printing Systems (KEPS). Used in conjunction with PhotoShop graphic arts software, the package, KEPS PCS100, is the only system for measuring color from prepress imaging through final printed material. A color meter provides automatic color monitor calibration and the software provides a "what you see is what you print" feature that gives the operator the flexibility to manipulate an image electronically.

"KEPS PCS100 is a high-quality solution to addressing color management for printing and publishing," says Bob Chung, associate professor in the School of Printing Management and Science. "Incorporating the system into our curriculum is an important means of responding to future technology management needs of the graphic arts industry."

RIT is the only university that received a donation of the package, and KEPS will be looking to SPMS to provide feedback on continually improving the product.

Co-op . . .

Continued from page 3

have to leave the factory floor.

Barlow launched the new system in three months. His completed project was recently profiled in *Great Plains Software's Discoveries* journal.

"You can't beat being 22 years old, working at Motorola, and solving real-world problems," says Barlow. "The reason I chose RIT was because of the co-op program in engineering."

Barlow says his electrical engineering curriculum prepared him for a project of this caliber. "Technically I was well pre-

pared, but what helped me the most was the problem solving skills I learned in class."

As he logged long hours on the project, coworkers commented on his diligence. His response? "If you can keep up with RIT's Electrical Engineering Program on a quarter system, a work schedule is really a piece of cake."

Besides studying, Barlow has served as a voluntary emergency medical technician at RIT Ambulance for the past four years and now serves as president. He also served as a residence adviser for three years. With plenty of job offers, his future in technical management looks bright.

CALENDAR

Oct. 14—RIT Family Weekend Information, 6–8 p.m., Fireside Lounge, Union

Oct. 14—meeting: Interactive Multimedia Task Force; 8:30 a.m.–noon, Carlson Auditorium

Oct. 14–15—sports: volleyball; RIT Invitational (University of Rochester, St. Olaf, Thomas More, RIT, Hope, and others); Clark Gym

Oct. 14—sports: women's tennis vs. Wells; 4 p.m.

Oct. 14–15—theatre: "FarceFest," presented by the RIT Players, Student Alumni Union; for more information, call Carol Ashe, -5664

Oct. 14—music: RIT Jazz Ensemble; 9:30 p.m., Ritskeller

Oct. 14–16—Skating Spectacular, featuring Todd Eldredge, Elaine Zayak, Calla Urbanski and Rocky Marval, Lefki Terzakis, and Amy Webster and Ron Kravette; \$15 adults/\$12 children 10 and under; 8 p.m., Oct. 14–15, 2 p.m., Oct. 16; Ritter

Oct. 14–15—movie: *The Client*; 7 and 9:30 p.m.; Webb; interpreted; Oct. 15

Oct. 15—Luncheon with the President, with introduction by President Simone and remarks by Dr. Douglas Merrill, 1994 Outstanding Faculty Member; noon, Union

Oct. 15—lecture: "And Fire Formed Them: RIT Field Studies in the Galapagos Islands," by associate professor Dr. Robert Rothman of the College of Science; 10 a.m., Ingle

Oct. 15—College Open Houses; 10–12:30 p.m.

Oct. 15—lecture: "It's a Deaf, Deaf World," by associate professor Barbara Holcomb of NTID; 11 a.m.–noon, 1829 Room, Union

Oct. 15—lecture: "An Insider's Look at Co-op and Careers," by Manny Contomanolis, director of Cooperative Education and Placement, and a panel of students.; 11–noon, Ingle

Oct. 15—lecture: "Parents of Freshmen—Share the Experience," by Dr. Elaine Spaul, Nancy Shapiro, Joann Humbert, and Renee Camerlengo; 10–11 a.m., Skalny Room, Schmitt Interfaith Center

Oct. 15—meeting: Parents Council, with Dr. Fred Smith, assistant to the president, and other members of the staff; all interested parents invited; 1829 Room, Union

Oct. 15—music: RIT Singers and Philharmonia Concert; 3–4:30 p.m., Ingle

Oct. 15—Fourth Annual NRS Scholars Dessert Reception; 6:30 p.m., Fireside Lounge, Union

Oct. 15—music: RIT Gospel Ensemble Concert; 8:30 p.m., Schmitt Interfaith Center

Oct. 16—Country Breakfast, 8–11:30 a.m., Union

Oct. 16—Bausch & Lomb Invitational Regatta; 9 a.m.–3 p.m., Genesee Valley Park; box lunch and beverage available for \$9; to register, call Alumni Relations, -2586

Oct. 17—Second Annual RIT Alumni Career Conference, with 29 company representatives; registration at 7:30 a.m., career workshops and résumé critique offered during the day; 9 a.m. fair, interviews 2–5 p.m., Holiday Inn Airport

Oct. 18—sports: women's soccer vs. Keuka; 3:30 p.m.

Oct. 18—Buffalo Fall Reception for prospective students and their families

Oct. 18—workshop: "Stopping Procrastination," part of Lunch 'n' Learning Series; noon–12:50 p.m., 2383 Eastman

Oct. 18—Graduating Student Orientation, 1–2 p.m., 3287 Eastman

Oct. 19—Plattsburgh Fall Reception for prospective students

Oct. 19—sports: men's soccer vs. Ithaca; 3:30 p.m.

Oct. 19—lecture: Earleen DeLaPerriere on "Rites of Passage in *Beloved*"; part of Common Novel Lecture Series; 7:30–8:30 p.m., Ingle

Oct. 19—seminar: "Job Hunting Strategies"; 10–11 a.m., 3263 Eastman

Oct. 20—lecture: "The Living Cartoon" by C. J. Jones; part of Deaf Speakers Series; 4–5 p.m., Tower A lounge; interpreters requested; call Mindy Hopper, -6759 TTY

Oct. 20—seminar: "Résumé Writing"; 4–5 p.m., 3287 Eastman

Oct. 20—workshop: "Self-Defense Awareness for Women" with speaker/demonstrators Barbara Jenner and Dave Frank; part of Faculty/Staff Health & Wellness Fall Noon Series; noon, 1829 Room, Union

Oct. 21–23—"RUDICON 10: A Decade of Gaming"; \$8 students/\$10 other; interpreted; call 427-0015

Oct. 21—workshop: "Preparing for Exams," part of Lunch 'n' Learning series; noon–12:50 p.m., 2383 Eastman

Oct. 22—sports: men's soccer vs. Alfred, 2 p.m.; women's soccer vs. Elmira, 4 p.m.

Oct. 25—satellite broadcast: "The Quality Forum X"; 10 a.m.–1 p.m., Ingle; interpreted

Oct. 25—workshop: "Writing Letters to Win Jobs"; 4–6 p.m., 3287 Eastman

Oct. 27—lecture: "Fighting Environmental Racism: Communities and Sustainable Development," by John O'Connor, executive director of Jobs & the Environment Campaign, part of Gannett Lecture Series; 7:30–10 p.m., Webb

Oct. 27—seminar: "Interviewing Techniques"; 4–5 p.m., 3287 Eastman

Oct. 27—meeting: Staff Council; 2–4 p.m., 1829 Room, Union

Oct. 27—videoconference: "Instructional Technology: Review and Update"; experts discuss and demonstrate instructional technology from hardware and software to multimedia-enabled networks and interactive distance learning systems; 1–3:30 p.m., Johnson Training Room. Captioned; no charge to register; limited space; call -6746 V/TTY.

Oct. 27—"Beat the Back-Up '95" Kickoff, featuring Jim Ferro, transportation management program manager for Xerox Corp.; 7:30–9:30 a.m., Carlson Center auditorium

Oct. 29—Admissions Fall Open House

NEWSMAKERS

- **Peter G. Anderson**, professor and graduate program chair, Computer Science Department, presented two papers, "An Algebraic Mask for Digital Halftones" and "Linear Pixel Shuffling: A New Technique for Image Processing," and copresented the paper "The Augmented Polynomial Character Recognizer Adapted for Hardware Implementation" at The Society for Imaging Science and Technology's 47th annual conference held recently in Rochester. He also presented the paper "Advances in Linear Pixel Shuffling" at the International Conference on Fibonacci Numbers in Pullman, Wash., in July.
- **Art Berman**, professor of language and literature, College of Liberal Arts, has published the book *Preface to Modernism* (University of Illinois Press). The book traces the cultural and esthetic roots of modern art and literature.
- **Gary Bonvillian**, assistant professor of management, College of Business, was elected to the Board of Directors of the Wesley Group, one of the largest nursing home operations in Monroe County. Bonvillian was also recently appointed to the editorial review board of a new academic journal, *Benchmarking for Quality Management & Technology . . . An International Journal*.
- **Jules Chiavaroli**, associate professor, Department of Construction Technologies, NTID recently had his first text, *AEC Drafting Fundamentals*, a text for first-year drafting courses in the architecture, engineering, and construction industry, published by West Educational Publishing.
- **Douglas R. Coffey**, professor, College of Liberal Arts, opened a new contemporary art gallery, The Coffey Gallery, at 3 N. Main St., Pittsford, July 29. The gallery has exhibited works by RIT faculty and instructors **Robin Yates**, **Bruce Sodervick**, **Jack Slutzky**, and **Karen Sardisco**.
- **Anne Coon**, professor, College of Liberal Arts, recently published the book *Hear Me Patiently: The Reform Speeches of Amelia Jenks Bloomer* (Greenwood Press), a collection of previously unpublished public lectures on temperance and women's rights.
- **Andrew Davidhazy**, chairman of Imaging and Photographic Technology, School of Photographic Arts and Sciences, College of Imaging Arts and Sciences, published the cover photograph and the article "Principles and Techniques of High Speed Photography" in the Swedish journal *Medicinsk och Technisk Fotografi*, Issue No. 2, 1994. Also, a photograph by Davidhazy was accepted for inclusion in the Fine Art category of the New Photography juried exhibition at the 1994 Los Angeles County Fair.
- **Eugene Fram**, J. Warren McClure Research Professor of Marketing, College of Business, presented a one-day workshop, "Nonprofit Management and Governance: Policy vs. Paper Clips," at the University of Delaware Oct. 4. The workshop is sponsored by a consortium of nonprofit and business organizations.
- **Dane Gordon**, professor, College of Liberal Arts, published, in Poland, a compilation of philosophy papers on post-Communist Eastern Europe as the book *Philosophy and Vision* (to be printed in English in 1995).

NEWSMAKERS

- **Richard B. Hetnarski**, James E. Gleason Professor of Mechanical Engineering, presented a paper, "Generalized Thermoelasticity: Response of Semi-Space to a Short Laser Pulse," at the 12th U.S. National Congress of Applied Mechanics at the University of Washington in Seattle June 27–July 1. The paper was developed on the basis of a National Science Foundation grant and the coauthor is Professor J. Ignaczak of the Polish Academy of Sciences in Warsaw, Poland.
- **J. David Konopka**, courier, Mail and Reprographic Services, has been awarded the Distinguished Service Award from the National Order of the Arrow Committee for the 1992–94 period. Konopka is Vigil Honor member of the Ty-Ohni Lodge, Otetiana Council, Boy Scouts of America. He is an assistant scoutmaster with Troop 7, Henrietta, and is also serving as section adviser to Section 7A, which covers western New York State and is part of the Northeast Region. Konopka also holds the Founder's Award, the District Award of Merit, the Silver Beaver, and the St. George Award.
- **Mary-Beth Krogh-Jespersen**, dean, College of Science, presented three professional talks this summer: "How Strategic Planning Discovered Interactive Multimedia in a College of Science" at the Northeast Regional Meeting of the American Chemical Society in Burlington, Vt., in June, and "Only the Beginning: Strategic Planning for Multimedia Chemistry Laboratories" and an invited talk for Career Management Issues for Women in Academia and Industry on "Making the Transition from Faculty to Administration" at the American Chemical Society National Meeting in Washington, D.C., in August.
- **David L. Olsson**, professor, Department of Packaging Science, recently traveled to Moscow for a roundtable discussion on packaging education. Olsson, the president of the International Association of Packaging Educators, was one of two foreign participants invited by the rector of the Moscow Institute of Applied Biotechnology. The roundtable was held to establish the importance of packaging as a discipline and the critical role of packaging education in the long-range development of the Russian economy.
- **Sora Sachs**, writing instructor, Learning Development Center, and **Marvin Sachs**, chairperson of the Physics and Math Department, NTID, jointly presented a lecture on "Communication in College Mathematics Classes: Collaboration to Improve Performance" at the annual symposium of the New York College Learning Skills Association. Marvin was recently elected president of the Association of Mathematics Teachers of the Rochester Area and vice president of the Brighton Central Schools Board of Education.
- **Patrick M. Scanlon**, assistant professor, Professional and Technical Communication and Institute Writing Director, College of Liberal Arts, and **Anne C. Coon**, associate professor in Language, Literature, and Communication, College of Liberal Arts, are coauthors of the article "Attitudes of Professional Technical Communicators Regarding the Content of an Undergraduate Course in Technical Communication: A Survey," published in the August issue of *Technical Communication*.
- **Patrick M. Scanlon**, assistant professor, professional and technical communication, and Institute writing director, College of Liberal Arts, is author of the article "Teaching Writing at a Distance: An Overview and Case History," which will appear in a forthcoming number of *Issues in Writing*.
- **Bruce Sodervick**, professor, College of Imaging Arts and Sciences, showed his sculptural glass art with three other artists this July at the Rice/Polak Gallery in Provincetown, Mass.
- **Bobette Warner**, manager of academic services, College of Continuing Education, has been selected as recipient of a Certificate of Merit by the National Academic Advising Association. Warner was selected for her demonstration of a caring and professional attitude toward advisees, knowledge of career goals, and for her solid grasp of academic policies and procedures, which together have built a strong relationship between Warner and her students. Warner will be presented with the certificate at the annual NACADA conference in Las Vegas in October.

News & Events is produced biweekly by RIT Communications; Jack F. Smith, vice president. Please send comments to *News & Events*, Communications, Eastman Building. **Editor:** Sarah Breithaupt **Copy Editor:** Trudi Marapodi **Designer:** Pam King **Contributing writers:** Roger Dykes, Neil Fagenbaum, Laurie Maynard, Melissa McInnis, Bill McKee, Laura J. Mikols, Brad Rye, Bonnie Travaglini, NTID Marketing and Communications **Typesetter:** Sarah Southgate



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