



Oct. 25 – Nov. 7, 1976

RIT to initiate course: heart saver training

Not long ago, "60 Minutes" featured an emergency coronary care program initiated in Seattle, Washington. In Seattle, the report said, one in five citizens has taken the time to learn cardio-pulmonary resuscitation, better known as CPR. The result has been a striking 13 per cent decrease in sudden deaths from coronary failure.

The inspirational value of the TV program was not lost on the RIT community. In the works is an emergency medical alert system that will carry us one big step towards combating the nation's number one medical emergency problem.

"The most essential ingredient of the emergency alert system is CPR training for individuals in the community," says Dr. Tom Wallace, who is dean of the College of Science and president of the Henrietta Volunteer Ambulance Corps. "Because vital tissues are permanently damaged four minutes after heart failure, the heart attack victim must receive immediate attention from someone who can revive his breathing and circulation.

"The CPR course trains people to be on the lookout for early symptoms of heart failure, to recognize an actual arrest, and to deal with it."

Seven RIT staff members have taken instructor's courses through the Henrietta Volunteer Ambulance Corps. They are Lorraine Mars, Keith Delano and Joe Abamonte, Protective Services; Sharon Rasmussen and Jerry Shepard, NTID; Ed Amos, Student Health, and Wendy Loomis, Residence Halls. Amos and Loomis have been instrumental in initiating RIT's emergency alert system. John Paliouras and John Shaw of the College of Science are also certified instructors and members of the Henrietta Volunteer Ambulance Corps.

These nine will be teaching the 3½-hour CPR course to faculty and staff members—eventually, to at least one in every department on the RIT campus.

When the emergency medical alert system is in total operation, a heart attack victim should be reached within seconds anywhere on campus by someone who will help restore his heartbeat and breathing.

While CPR is being administered, the Henrietta Ambulance will be contacted. They will dispatch a specially equipped station wagon, manned by a paramedic. The paramedic will take over where the CPR left off, stabilizing the heart attack victim and readying him for transport.

A physician at a city hospital will be contacted, the victim's electrocardiogram will be transmitted, and the physician will monitor the paramedic constantly—all on the station wagon's two-way radio. Shock treatment and intravenous fluids will be administered if necessary.

Once the victim's condition has stabilized, he will be rushed off in an ambulance—with a much better chance of surviving than in the past.

The first 12 training sessions on campus, to be held through November, are limited to five trainees. They will be selected by department heads on the basis of physical capacity and previous first aid training.

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HEART SAVERS— Tom Wallace (center) instructs Keith Delano and Wendy Loomis in CPR techniques.

Delano and Loomis are now themselves certified instructors.

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More classes are being scheduled and will continue until one in five employees are citizen heart savers.

Coordinator Wendy Loomis will be keeping a record of each RIT staff member who takes the course, and of where he or she can be located on campus.

Jim Papero of Personnel, who also is coordinating the whole effort, points out the fact that at present there are only nine instructors on campus.

"We're talking about training 200-300 people in basic life support; that's a lot of people," he says. "What we're going to need is more instructors."

The Henrietta Volunteer Ambulance Corps offers both basic CPR training as well as the 21-hour instructor's course. Anyone interested is encouraged to call them on the business phone, 334-4190.

Impending oil crisis topic of Forum panel

A panel of energy specialists will discuss the question, "What if another oil embargo occurs?" at 8 p.m., October 27 in Ingle Auditorium.

Three years ago the oil embargo caused an estimated \$10-20 billion decline in gross national product and considerable economic and social disruption. Since then, the U.S. has grown more dependent on foreign oil. According to the Federal Energy Administration (FEA), it appears we are more vulnerable to a cutoff of foreign oil now than we were in 1973.

FEA proposals for combating another severe energy shortage will be among the topics discussed. In May, the FEA proposed a rationing system, but said it should be used only as a last resort. Five other conservation plans, dealing with such subjects as weekend leisure driving, boating and flying, also were proposed.

Dr. Barry Yaffee, director of Contingency Planning for the FEA, will present the federal plans. Lorna Bernard, Counsel for the New York State Energy Office, will discuss state energy conservation plans.

There will be two other panelists: Dr. Milton Russell, on fellowship from Resources for the Future, Inc., in Washington, D.C., and Roger Liddell, an account manager and analyst specializing in energy for a Wall Street brokerage house. Dr. Russell is on leave from the President's Council of Economic Advisors.

Moderator will be Dr. Robert E. Lee, associate professor of engineering at RIT.

The event is co-sponsored by RIT's Institute Forum and the Rochester Committee for Scientific Information, a local group of scientists and citizens active in environmental issues.

RIT's NMT program One of few in U.S.

A new degree program called Nuclear Medicine Technology (NMT) is fast becoming a force in keeping pace with technological advances in medicine.

Created in 1974 by RIT's School of Health-Related Professions, the program is aimed at meeting the increased demand for specially trained technologists in our age of burgeoning health-sustaining procedures. The new program emphasizes a close working relationship with patients and physicians using radioactive materials.

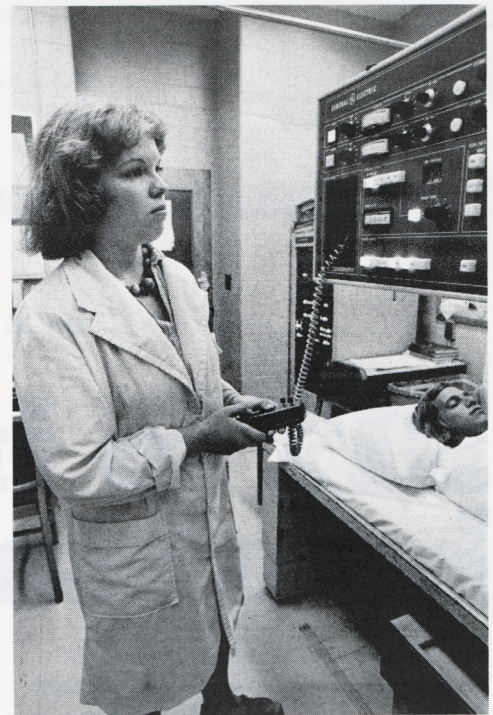
"Academically speaking, we're one of less than a half dozen four-year degree programs in the nation," commented Dr. Earl Sexton, associate professor of physics and director of the NMT program.

"With nuclear medicine procedures becoming more and more common, we're providing our students with the ability to change as the field changes."

Sexton pointed out that NMT is usually ordered by doctors for diagnostic rather than curative purposes. Radioactive materials are injected into a patient, producing gamma radiation. The radiation is detected by a gamma camera, which elicits a scan. The technologist assists the physician in evaluating the scan, besides monitoring the patient.

The NMT program at RIT consists of three academic years spent on campus, followed by a 12-month hospital internship. Each intern receives approximately four months of training at three different hospitals to provide extensive exposure to various procedures.

In the past, hospitals customarily set up their own programs to train people, who then moved into the field after acquiring x-ray technology or radiation therapy back-



NUCLEAR TECHNOLOGIST— Linda Roberts, a 1976 graduate of the program. She is administering a bone scan.

ground. RIT's program gives students a foothold on future advances in technology as well as meeting today's stringent requirements.

Sexton is optimistic about the future of the program, pointing out that there are now more than 40 students in the program, with a steady flood of inquiries ensuring its continued growth. RIT has also applied to the American Medical Association for accreditation of its program.

And how's the training standing up to today's enormously competitive job market? "Quite well," says Sexton. "Presently, the demand for technologists greatly exceeds the supply."

Graphic Arts Division reaching goal with help of continuing gifts

The Graphic Arts and Photography Division of RIT's 150th Anniversary Campaign has reached the \$1.5 million mark, Campaign Chairman Frank Hutchins announced.

One gift that has helped it to get there is \$10,000 given by the National Printing Equipment Assoc., to establish the Lee Augustine Memorial Scholarship.

The scholarship will assist students enrolled in the College of Graphic Arts and Photography.

Lee Augustine was president and treasurer treasurer of the Printing Machine Co., of Cincinnati, Ohio, from 1958 until his death in September, 1975.

Hutchins says he is confident that the remaining \$500,000 needed to attain the graphic arts goal of \$2 million will be reached well ahead of the Institute's 150th Anniversary in 1979.

"News and Events" is published every other Monday during the academic year by Communications Services at Rochester Institute of Technology and distributed free of charge to the Institute community. For information, call 464-2344.

Science professors receive project funds

Three College of Science faculty have received project funding totaling \$36,531 from the National Science Foundation.

Dr. Earl Krakower, professor of chemistry, was given \$17,200 through NSF's program to fund innovative undergraduate teaching projects. With the assistance of students and other faculty members, Krakower will evaluate the instructional effectiveness of the lap-dissolve projection technique.

Krakower, who is also winner of the Eisenhart Award for Outstanding Teaching, explained his project:

"We are using the technique to simplify the communication of structural and three-dimensional chemistry."

Another chemistry professor, Dr. Terence Morrill, received \$15,098 to work for three summers developing computer-assisted instruction in science, focusing in the field of chemistry, for both hearing and non-hearing students. Students will assist Dr. Morrill in his research.

Dr. E. Norbert Smith of the biology department received \$4,233 from the Caesar Kleberg Foundation for Wildlife Conservation to monitor the growth and movement of the American alligator in South Texas.

Smith spent 6 weeks at the Welder Wildlife Refuge in Sinton, Texas, assisted in his work by medical technology student Ed Suriano of Schenectady.

"The alligator is an endangered species," explained Smith. "Its growth and movement must be observed in order to insure successful management practices in South Texas."

General Duplicating gets new supervisor

Frank Cocola has been appointed supervisor of General Duplicating, according to William Batcheller, director of Purchasing.

"Cocola brings with him a wealth of experience in captive print shop management, which began in the U.S. army," Batcheller said. Cocola has also been employed by Geneva General Hospital and the C.H. Stewart Co.

Cocola's responsibilities will include supervision of the General Duplicating facilities in Building 99, as well as the newly established Copy Center in the basement of the Administration Building.

He began at RIT on Sept. 8.



CELEBRATORS—Students rehearse music, dance, mime and sign language for latest performance at NTID's Experimental Educational Theatre. The show is scheduled to open November 4.

NTID Theatre to use masks, music, special media effects in "Celebration"

A chorus of revelers using a variety of ceremonial masks, special lighting and media effects, and a musical score by Tom Jones and Harvey Schmidt (*The Fantastics*) will entertain audiences in NTID's production of *Celebration*. The musical will be performed Thursday through Saturday, November 4–6, at 8 p.m. in the NTID Theatre.

Celebration is just that—a celebration of the return of spring after winter, of love conquering hate, of good over evil. Jones' and Schmidt's story traces the adventures of the innocent young man, Orphan, as he is manipulated by the evil Potemkin, and battles the jaded Mr. Rich for the love of Angel, who is torn between Rich's wealth

and Orphan's love.

NTID Theatre's production combines deaf and hearing performers, who blend music, sign language, mime and dance to appeal to audiences of both deaf and hearing.

Marjorie Pratt, director of *Celebration*, explained that students and staff have been working on the more than 90 ceremonial masks to be used in the show. The masks were designed by NTID art instructors C.T. Ferguson and Judith Zerbe.

Tickets may be reserved by calling the NTID Theatre Box Office at 464-6250. They are \$.50 for all students, \$1.50 for RIT/NTID faculty and staff, and \$2.50 for the general public.

Career Seminar: October 30

There isn't a college or university—anywhere—that isn't eager to attract new students. On the other side of the coin, many prospective students look to those with ties to the academic world for answers to a bewildering array of questions.

RIT hopes to address itself to both these concerns during the fourth annual Career Seminar, Saturday, October 30, beginning at 10 a.m.

RIT is planning to attract a broad spectrum of people during the one-day seminar. Employers of RIT graduates, students themselves, and professors with extensive practical and professional work experience will lend personal insights to the day's activities.

Information on more than 30 fields—from business to social work—will be available to prospective students, parents, and counselors. Those attending will also be able to get a handle on all technicalities, such as admission procedures, costs, and cooperative work-study programs.

If you are a full- or part-time employee and have received bills for health care, please do not hesitate to call Betty Bianchi, 464-2429. These charges may be covered through your Institute health care plans.



NEWS & NEWSMAKERS

Dr. Richard Zakia, professor in the College of Graphic Arts and Photography, participated in a two-day Visual Scholars program at the University of Iowa.

The conference was an interdisciplinary effort to define a graduate curriculum in visual thinking, learning and communications.

Dr. Kingsley Elder, professor of physics in the College of Science, has been elected vice chairman of the New York State section of the American Association of Physics Teachers.

Frank Bucci, associate professor, department of Food Administration and Tourist Industries Management, has been elected vice president of the Rochester Chapter of the Hotel Sales Managers Assoc., International.

Dr. David L. McPherson, chairman of NTID's Audiology Department, was a panelist at the International Symposium on the Technical Achievements in Speech and Hearing Education for the Hearing Impaired.

The symposium was held October 8-16 at the Research Center for Applied Linguistics in Frankfurt, Germany.

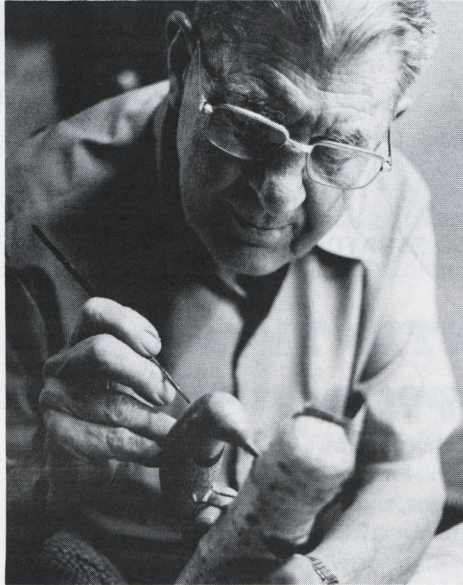
Jim Papero, administrator of Affirmative Action in Personnel, has been appointed to the Labor-Management Committee of the Health Association's Council on Alcoholism.

Papero has also been reappointed to the board of Action for a Better Community, representing Community Alcoholism Services Program.

Dr. V.V. Raman, director of the Physics Department, published a paper, "Joseph Priestly, an Early Immigrant Scientist" in the September issue of the *Physics Teacher*.

Raman also delivered a lecture at SUNY Geneseo entitled, "The Aesthetic Components of Physics" September 27.

Toby Thompson, associate professor of environmental design and director of the Bevier Gallery, has just completed an exhibition of highlights of Kodak's new products in the medical field at the International Congress of Radiography in Rio de Janeiro.



BIRD CARVER—S.G. Hall adds a delicate touch of detail to one of his hand-carved birds.

Bevier Gallery show features carved birds

A collection of 30 hand-carved and -painted birds by Silvanus G. Hall is currently being exhibited at RIT's Bevier Gallery. The display, which includes native and European bird species, will be at RIT through November 5.

Hall, a well-known local artist, carves birds that reflect the detail and color of their plumage. Working from pictures and using rare basswood, he requires about 40 hours to complete each bird.

"It was the challenge of combining my love of painting and working with wood that led me to the art of bird-carving," Hall explains. He became interested in carving birds in 1973, 10 years after retiring from Eastman Kodak Co., where he worked as assistant manager of graphic arts sales.

Hall's paintings have appeared in numerous local exhibits and are privately collected locally and abroad. He studied art under Professor Lawrence Williams in RIT's graduate program.

A member of the Rochester Art Club and the National Wood Carvers Assoc., Hall has won awards for three consecutive years at the International Wood Carvers Congress held annually in Davenport, Iowa.

CONTINUING EVENTS

Carved Birds—by S.G. Hall. Bevier Gallery, through Nov. 5

Toys from Switzerland—Bevier Gallery, Oct. 30 — Nov. 10

RIT Fall Sports—

Soccer: vs. Ithaca, Home. Oct. 27, 3 p.m.

Soccer: vs. St. Bonaventure, Home. Oct. 30, 12 noon.

Women's Volleyball: vs. Syracuse, Fisher, MCC, Home. Oct. 25, 6:30 p.m.

Women's Volleyball: vs. Fredonia, Roberts, D'Youville, Home. Nov. 2, 6:30 p.m.

Women's Volleyball: vs. Canisius, Wells, Roberts, Home. Nov. 4, 6:30 p.m.

Football: vs. Alfred, Away. Oct. 30, 1:30 p.m.

Football: vs. Ithaca, Home. Nov. 6, 1:30 p.m.

Hockey: vs. Cortland, Away. Nov. 5, 7:30 p.m.

Hockey: vs. Alumni, Home. Nov. 6, 2:30 p.m.

Cary Graphic Arts Collection—Roman letterforms. School of Printing, through Nov. 10. 8:30 a.m. — 5 p.m.

The Natural World Around Us—photo exhibit by Arthur F. Rounds, CCE. C-A Union, through Oct. 29.

Institute Forum—"What if another oil embargo occurs?" Panel of federal, state and local authorities. Ingle Aud., Oct. 27, 8 p.m.

Career Seminar '76—seminars on career potentials and RIT's programs. For high school students, teachers, transfer students, counselors and parents. Classrooms in 08, 09, & 10, Oct. 30, 10 a.m. to 2:30 p.m.

Celebration—musical by Tom Jones and Harvey Schmidt. NTID Theatre. Nov. 4,5,6; 8 p.m. RIT/NTID faculty/staff, \$1.50; students, \$.50; others, \$2.50. Call 464-6254 for reservations.

Talisman Film Festival — Ingle Aud.

The Rocky Horror Picture Show — Oct. 29, 7:30 & 10, \$1.25

Lassie's Great Adventure — Oct. 30, 2 p.m., \$.25

Sisters — Oct. 30, 7:30 & 10, \$1.25

Spirits of the Dead/Nosferatu — Oct. 31, 7:30 only, \$.50

Who's That Knocking at My Door? — Nov. 5, 7:30 & 10, \$1.25

Make Mine Music — Nov. 6, 2 p.m., \$.25

Hearts of the West — Nov. 6, 7:30 & 10, \$1.25

Jules and Jim — Nov. 7, 7:30 & 10, \$.50