



Rochester Institute of Technology

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# NEWS AND EVENTS

January 31 – February 13, 1977

## Frisina named RIT's senior v.p.

Dr. Robert Frisina has been named to the major new post of senior vice president of RIT.

This action by the Board of Trustees was recommended by Institute President Paul A. Miller. He cited "an immediate need for outstanding leadership" to complete planning and implement "truly urgent tasks relating to the main organizing principles of a new RIT chapter that is just now being conceived."

Frisina's primary responsibility will be Institutional Advancement. As vice president of the Institute and director of NTID since its formation at RIT 10 years ago, Frisina also has served for the past 18 months as executive officer of the Public Affairs Division and chairman of the Trustees' Institutional Advancement Commission.

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WENEBOJO

Deaf and hearing actors in the NTID Theatre production take a symmetrical stance to worship.

## NTID Theatre's "Wenebojo" to focus on Native Americans

The NTID Theatre will present an original drama, *Wenebojo*, at 8 p.m. Friday and Saturday, February 11 and 12, in NTID's Experimental Educational Theatre.

Jerome Cushman, assistant professor in the Theatre, adapted the play from the legends of the Ojibway Indians, and Longfellow's poem, "Song of Hiawatha." *Wenebojo* was a mythical prophet-teacher of the Ojibway Indians, a woodland tribe of the Great Lakes region. Different actors will portray *Wenebojo* during the four seasons of his life as a child, young man, teacher and prophet.

"The drama attempts to put into perspective the Indian folk legends and show the beauty of their tales and ways, without resorting to any political or social stereotyping. It reflects our concern and their concern for life, and the use of things in our environment," explains Cushman, who is directing the play.

Cushman worked with several of NTID's deaf experts in sign language—Professor Robert Panara and Manual Communications Instructors Paul Menkis

and Barbara Ray—in adapting the play for deaf actors and actresses.

"I worked with a Native American group in Michigan to assure the play's authenticity in recreation of Indian life and sign language," Cushman said. "In adapting the story for the deaf, we have found many similarities between Indian sign language and deaf sign language."

Nine hearing actors who know sign language will be the voices in the play, which will include Indian songs and dances. During intermission, the cast will lead the audience into the lobby in a traditional "stomp" dance. Indian spice tea and cakes will be served during intermission.

In conjunction with the play, NTID will be sponsoring a Native American Awareness Week Monday through Saturday, February 7-12. Native crafts and exhibits will be on display 10 a.m. to 4 p.m. daily in the lobby of the NTID academic building.

For information and reservations, call 464-6254.



ROBERT FRISINA

Dr. Frisina has been named senior vice president of RIT.



## McGrath tests snow load on RIT roofs

"RIT is developing what we believe is a totally new approach to Institutional Advancement," noted Richard E. Eisenhart, chairman of the Board of Trustees. "We are building a function which will go far beyond traditional organizational methods in higher education, particularly in terms of its nature and mission. Most important, we are charting directions to stimulate a dual spirit of renewal and entrepreneurship which ultimately will impact everyone associated with RIT."

Miller identified as immediate tasks for Frisina: completion and submission to the Trustees of the final report by the Institutional Advancement Commission; encompassing within this report the findings of a companion Economic Study Commission; planning for successful completion of RIT's current 150th Anniversary Campaign; and definition of guidelines, programs and strategies for applying the concept of Institutional Advancement.

"RIT needs an institution-wide approach in order to devise, maintain, service, evaluate, and link its publics and markets," Miller said. Commission studies during the past year have been aimed at assuring that RIT will be responsive to the educational, financial, personnel, and leadership realities of the 1980s.

Significant present and future client systems identified by Miller include students and their families and communities; employers; alumni; foundations; local, state and national governments; other colleges and agencies; and new sectors such as the international.

"We must enlarge RIT's ability to serve the educational needs of Rochester," said Miller. "But, learning from this local commitment, we also must widen RIT's reputation to service our state, region, nation, and the international community."

Frisina eventually will divest himself of administrative duties with NTID. But sustained in his new responsibilities will be NTID relationships with the federal government and related constituencies resulting, according to Miller, "in a further merging of NTID's purposes with those of the whole of RIT."

The snow on your roof isn't the same as the snow on the ground and that's what the snow load research at RIT is all about. Robert McGrath, chairman of the Department of Civil Engineering Technology, Institute College, and RIT undergraduate student Larry Konieczko, are conducting a study this winter for the U.S. Army Cold Regions Research and Engineering Laboratory, Hanover, New Hampshire, on snow buildup on roofs.

Using a dozen different rooftops on the RIT campus, the two researchers are studying the influence of different geometric, aerodynamic, and thermal factors in snow load buildup on roofs.

"Poor insulation in a building, for instance, can cause rooftop snow to melt at a faster rate than ground snow," explains McGrath. Other factors such as a taller building abutting to a shorter one can cause drifting patterns on a roof that contribute to uneven snow loads.

Knowing something about the snow load buildup on roofs is important for the safe construction of buildings. New York State has a snow load code for buildings that defines the pounds of snow per square foot that a building roof must be able to withstand. A flat roof in Rochester has to be constructed to withstand 35 pounds of snow per square foot; in Boonville, New York, the buildings have to meet a 60 pounds per square foot requirement.

"I studied a roof that collapsed in the Cato, New York area and discovered that the collapsing took place after the building had been empty and unheated for a year,"



### SNOW STUDY

Larry Konieczko and Bob McGrath check the weight of the snow on the roof of the engineering building as part of their research project.

says McGrath. "There is reason to believe that poor insulation in the building contributed to melting the snow from the roof. As long as the building was still in use the snow wasn't building up to a point that would cause the roof to collapse."

RIT is one of six educational institutions in the nation studying snow loads. The institutions participating in the study were chosen for the expertise of their faculty and their regional location.

## Clark masters Spanish "for them"

Chances are, when a teacher who speaks no Spanish gets a classful of Spanish-speaking students who speak little or no English, there's cause for concern. Right?

Furthermore, chances are that if the teacher's contract specifies that the class be taught in English, then that takes the pressure off the teacher, who can then stop worrying about learning enough Spanish to communicate with the students. Right?

Wrong.

At least Russell Clark would tell you that it's wrong.

He's senior technical associate in the College of Continuing Education (CCE), and he found himself in the precise situation described above.

When Clark contracted through CCE with the Ibero-American Action League to teach a course in machine shop training to a class of Spanish-speaking students, the agreement

specified that he conduct the class in English.

But he didn't rest content with that, even though a translator was on hand to help.

As Clark sees it, "anyone who comes into a strange environment and finds someone is making an adjustment for him—rather than expecting *him* to make all the adjustments—is naturally going to appreciate the consideration."

With that as a guiding philosophy, Clark proceeded to make the "adjustment" of learning Spanish at the Berlitz School of Language in order to better communicate with his students. So far he's completed 120 lessons.

Although a shortage of funds has temporarily curtailed RIT's arrangement with the Ibero-American Action League, it hasn't dampened Clark's enthusiasm.

He's planning on taking a second course in Spanish after he finishes the first.

**RIT's 464 telephone exchange is scheduled to change to 475, effective December, 1977.**



## CONTINUING EVENTS

**Institute Forum**—"The Impact of Governmental Actions on the Energy Problem," Dr. John E. Tessieri, Science Aud., Feb. 3, 3 p.m.

**Bevier Gallery**—Recent work of 3 artists: Sheila Wells, Sue Carter, Angela Finna. Feb. 5—Feb. 23; reception, Feb. 4, 8-10 p.m. Gallery hours: Mon.-Fri. 9:30 a.m. to 4:30 p.m.; Mon.-Thurs. 7-9 p.m.; Sat. 1-5 p.m.; Sun. 2-5 p.m.

**Women's Club**—General meeting. Susan Saidel of the Rape Crisis Center will speak about rape. Genesee Valley United Methodist Church, 70 Bailey Rd., Henrietta; Feb. 9, 8 p.m. For information, call Enid Stevenson, 442-1532.

**Mathematics Colloquium Series**—"Application of Group Theory to Physics," Dr. Hrishikesh Banerjee. Science bldg., rm 1174, Feb. 9, 3 p.m.

**Chemistry Seminar Program**—"Organic Conductors and the Intermolecular Migration of Aromaticity," Dr. Jerry Pearlstein, Eastman Kodak Co.; Feb. 3, 4 p.m. "Computers in the Undergraduate Chemistry Curriculum," Dr. Henry Blount, U of Delaware; Feb. 10, 4 p.m. Both lectures will be held in science bldg., rm 3178. Refreshments will be served at 3:30 p.m. in science bldg. library.

### RIT Winter Sports—

**Basketball:** Lincoln First Tournament. Feb. 4, 7:30 p.m.

**JV Basketball:** vs. Daemen, home. Feb. 4, 4:30 p.m.

**Basketball:** Lincoln First Tournament Consolation & Championship. Feb. 5, 7:30 & 9:30 p.m.

**Basketball:** vs. UR, home. Feb. 10, 8 p.m.

**JV Basketball:** vs. Finger Lakes Community Col., home. Feb. 10, 6 p.m.

**Hockey:** vs. St. John Fisher, away. Feb. 6, 8 p.m.

**Hockey:** vs. Cortland, home. Feb. 9, 8:15 p.m.

**Swimming:** vs. Brockport, home. Feb. 12, 2 p.m.

**Wrestling:** vs. Brockport, home. Feb. 8, 7 p.m.

**Wrestling:** ICAC Championships, home. Feb. 12, 10 p.m.

### Talisman Film Festival—

**Snow White and the Seven Dwarfs**—Ingle Aud., Feb. 4, 7:30 & 10, \$1.25.

**The Snow Queen**—Ingle Aud., Feb. 5, 2 p.m., \$ .25

**The Sunshine Boys**—Ingle Aud., Feb. 5, \$1.25  
**Donkey Skin**—Ingle Aud., Feb. 6, one show only at 7:30, \$ .50

**Speedy**—Webb Aud., Feb. 11, 7:30 & 10, \$1.25

**Kidnapped**—Webb Aud., Feb. 12, 2 p.m., \$ .25

**That's Entertainment Part II**—Ingle Aud., Feb. 12, 7:30 & 10, \$1.25

**Arthur Rubinstein—Love of Life**—Ingle Aud., Feb. 13, 7:30 & 10, \$ .50

### RIT/Nazareth Winter Week—Feb. 7-13

For complete listing of events, call CUB at 464-2509

**Hockey Warm-up Mixer**—music by Duke Jupiter, cash bar and refreshments. RIT cafeteria, Feb. 10, 8:30 p.m.—midnight, \$1

**Steambath**—play by Bruce Jay Friedman, performed by Brick City Players. Ingle Aud., Feb. 10, 11, 12, 8 p.m. Students \$1, others \$1.50

**Wenebojo**—play by Jerry Cushman, performed by NTID Theatre. NTID Theatre, Feb. 11 & 12, 8 p.m. Students \$ .50, others \$2.50. For reservations call 464-6254

**Comedy**—by Catch A Rising Star. RIT cafeteria, Feb. 12, two shows at 8 & 11 p.m. Students \$1.50, others \$3

## Puerto Rico site of Goldblatt's study

Dr. Norman Goldblatt, associate professor of physics, left Rochester last December—for Arecibo, Puerto Rico. He is conducting research at Cornell University's astronomical observatory, which houses one of the largest radio telescopes in the world.

His three-month stay in Arecibo will give him the opportunity to study the telescope, and to apply certain principles to his projects at RIT when he returns. One of those projects is the construction of the Institute's Jupiter radio telescope and interferometer, which were designed and built by Goldblatt's students.

"A radio telescope is a very sensitive instrument which works much like a TV antenna," explained Goldblatt, whose special interest is optics. "It tunes in to a source, and transcribes the received radio signals onto a chart recorder."

The Jupiter telescope, which has been under construction for the past year, is so named because it is geared to pick up that planet's energy fields. Jupiter has continued to arouse the curiosity of scientists because of the mysterious radio noise that is emitted from its surface. Goldblatt believes that the origin of the noise is due to strong magnetic fields on the surface, called synchrotron radiation.

"We're trying to measure properties of the radiation, when the radio eruptions



### ASTRONOMICAL

Physics professor Norman Goldblatt poses before the huge radio telescope he's working on in Arecibo, Puerto Rico.

occur, and how they relate to the visual features of the planet," Goldblatt said.

RIT's interferometer, which is located south of campus, is used to monitor solar radio noise. The device consists of two antennas 1,000 feet apart, which operate like the range-finder of a camera.

There are approximately six radio observatories in the country, all of which are used for research as well as instructional purposes. The Cornell telescope is located in Puerto Rico because it is near the equator, allowing scientists to see more sky, and because it is isolated from man-made disturbances.

## Benson leaves RIT--for Saudi Arabia

When Fred Benson leaves the RIT Admission Office this month he'll be challenged by a new culture as well as a new job.

Benson, who has been with RIT since 1972, has been working closely with Dean of Admission Dr. John Humphries in installing a new and faster computerized admission system. He will begin work at the University of Petroleum and Minerals at Dhahran in Saudi Arabia this spring.

Benson says his new title at the university will be "on-site coordinator." He'll be working with university officials installing a computerized student record system, as well as computerized exam scheduling and payroll records.

As student services coordinator at RIT, Benson was upgrading the old computer system that Admission had been using to enable faster admission processing. The new setup now allows the computer to quickly identify how far along each student is in assembling his or her required file. "In

effect," he said, "this allows us to create a report on each applicant which we can pull on a daily basis. Before, it was done manually."

Benson, a 1972 graduate of RIT's College of Business, says his appointment at the University of Petroleum and Minerals is for 12 to 18 months. He's unsure of what lies ahead after that, but he says he'll continue to be affiliated with RIT.

## Policy Council meet

The Policy Council will hold its next meeting on February 11. The agenda is as follows:

1. Report on complementary education for information and discussion.
2. Report by the judicial coordinator for information and discussion.
3. Commentary on the energy consumption situation at RIT.

If you have any questions, comments or opinions, contact your Policy Council representative.





## NEWS & NEWSMAKERS

Dr. Paul Wojciechowski, assistant professor of mechanical engineering, will speak about solar energy at the Rochester Museum and Science Center's symposium, entitled, "The Mixed Bag of Tomorrow's Energy" on February 3 and 4. Wojciechowski will also speak about the energy-efficient house to be built on the RIT campus this year.

Approximately 1,600 area high school students are scheduled to attend the two-day symposium.

Dr. Paul A. Miller, RIT president, has been named chairman of the board of the Buffalo Branch of the Federal Reserve Bank of New York.

Miller will serve as chairman for 1977 only. He has served as a director of the bank since 1975.

Dr. Richard Reeve, director of the Department of Industrial Engineering, has been nominated for the position of National Vice President, Region V, of the American Institute of Industrial Engineers (AIIE).

He is past president of the Rochester Chapter, AIIE.

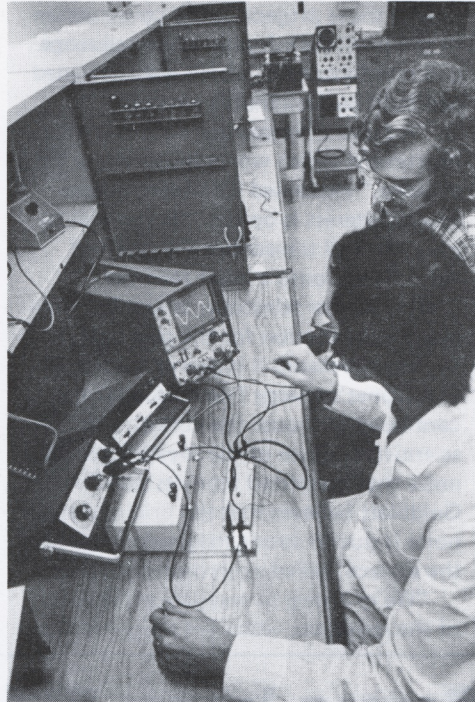
Loy Golladay, NTID associate professor and General Education Support Team Member, has been elected to the National Advisory Group of the Episcopal Church Missions to the Deaf.

He is one of two deaf members of the group, made up mainly of bishops and other officials, which advises over 70 missions nationwide.

Dr. Harold Raphael, director, and Dr. David L. Olsson, assistant professor in the department of Packaging Science, have co-authored a book entitled *Packing Production Management*.

The book is an update and expanded edition of an earlier book by Raphael, *Packaging: A Scientific Marketing Tool*.

"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.



### NEW LAB

Two physics students at work in the new Biehler-Hadsinsky electronics lab.

## New electronics lab dedicated in Physics

The discipline of electronics at RIT is getting a boost through the establishment of the new Biehler-Hadsinsky Electronics Laboratory, located on the A level of the College of Science building.

The newly outfitted laboratory gives impetus to development of additional electronics courses, says Dr. Ronald Jodoin, professor of electronics. It also provides people in other scientific areas with facilities for their teaching and laboratory purposes.

Dedication of the Biehler-Hadsinsky lab was held on December 3. Dr. V.V. Raman, physics department head, talked of the need for the electronics laboratory and introduced Dr. Mikolai Hadsinsky (who shares dedication honors with deceased Professor Raymond Biehler) to more than 30 persons, who also witnessed the unveiling of a plaque by Provost Todd Bullard.

## Vollmer to direct Central Placement

Judith E. Vollmer, who joined RIT's Central Placement Services staff in 1971, has been named director of Central Placement Services.

Ms. Vollmer started as assistant director, was named associate director in 1974, and became acting director in September of 1976.

A graduate of Duquesne University, Ms. Vollmer will complete her Master of Business Administration degree this February at RIT.

In her new role as director of Central Placement Services, Ms. Vollmer supervises a staff of 13 and oversees the functions of the placement office, which include placing students in part-time, full-time, and cooperative education employment and aiding alumni in placement matters.

"We are fortunate to have someone with Judy's combination of personal and professional competence on our staff and I am delighted that she has accepted this important post," said Dr. Fred Smith, vice president of Student Affairs, in announcing Ms. Vollmer's appointment.

## Texaco v.p. to speak

Brrrr... The cold weather has convinced many people that the energy crisis is still with us. Public school and industry closings in Ohio, Pennsylvania and New York State due to a natural gas shortage have once again made energy front page news. RIT's Institute Forum on energy will continue its year-long series of events with a visit to campus by Texaco Vice President Dr. John E. Tessieri.

Tessieri, in charge of the Research and Technical Department of Texaco, Inc., will discuss "The Impact of Governmental Action on the Energy Crisis" on Thursday, February 3 at 3 p.m. in the College of Science Auditorium.

An interpreter for the deaf is available at all Institute Forum events.