

NEWS & EVENTS

Rochester Institute of Technology

Vol. 11, No 29—Sept. 13, 1979

Dr. W. Castle Promoted to Vice President



Dr. William E. Castle has been promoted to vice president at RIT announced President M. Richard Rose.

Dr. Castle, who has served as dean and director of the National Technical Institute for the Deaf (NTID) since July, 1977, has been at NTID since it opened in 1968.

"Dr. Castle's long history of service to the traditions and programs that make RIT's education programs unique, ideally suits him for this important broadened role in developing and carrying out Institute policies," said Dr. Rose.

He will continue to administer the day-to-day operation of the federally funded NTID program as its director and also will serve as chief Institutional liaison with the executive and legislative branches of the federal government and with national and international

constituencies related to deafness.

Selection of a dean to succeed Dr. Castle in that role will be concluded in the near future.

A native of Warrentown, S.D., Dr. Castle obtained his undergraduate degree in 1951 from Northern State Teacher College, in Aberdeen, S.D. He later earned a master's degree in speech pathology and audiology from Stanford University.

Dr. Castle had extensive teaching experience at the college level before coming to NTID in 1968 as assistant to the vice president and director of NTID's Division of Instructional Affairs.

He was named dean of NTID in 1969, and assumed the title of director in 1977.

His wife, Dr. Diane L. Castle, is an associate professor of audiology at NTID.

Andrew J. Dougherty Named Executive Assistant to President Rose



Former Air Force Colonel Andrew J. Dougherty has been named executive assistant to the president according to an announcement by President M. Richard Rose.

Dougherty will assist President Rose with a variety of management tasks at RIT, including staff coordination, planning and research.

Dougherty, prior to joining RIT, was founder, owner and operator of an automobile painting business in Rockville, Md., employing 13 individuals and grossing more than one-half million dollars in sales annually. He sold the business in order to join the Institute.

Joining the Air Force as a private in 1950, he was on continuous active duty until 1978. From 1975 to 1978 he served as director, Strategic Research Group, The National War College and director of Research for the National Defense University.

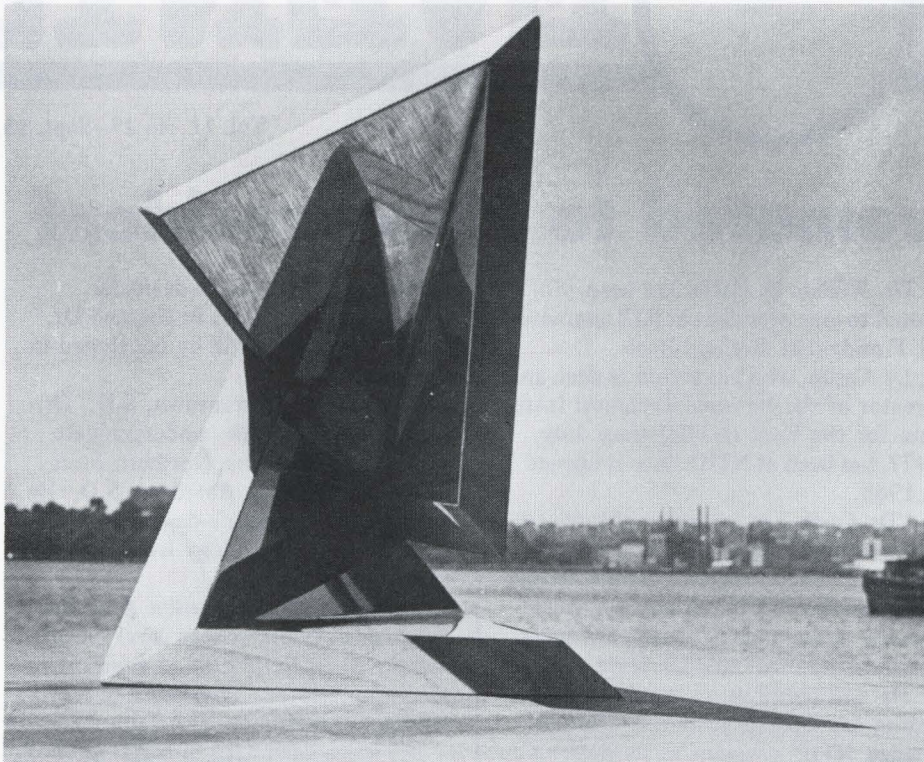
Previous military experience includes director of Professional Military Education in the Office of the Secretary of Defense under Dr. Rose, and prior to that was chairman, Department of Aerospace Studies at the University of Pittsburgh.

He served 26 years as an Air Force fighter pilot, with combat tours in both Korea and Vietnam, flying over 400 combat missions.

A graduate of the University of Nebraska (B.S.) in 1962, he earned a master's degree in business administration from Bradley University, Peoria, Ill. in 1971.

He and his wife, Marjorie, who holds a bachelor's degree from Indiana University and a master's degree in social work from the University of Southern California, will reside at 10 Mile Post Lane, Pittsford. They have two children, Julie, 16 and Lisa, 13.

'Another Opening, Another Show'



A New Year for Bevier

"Skates Mate," a birch and stainless steel sculpture by Ralph Martel, one of the artists represented in the opening Bevier Gallery show for the 1979-80 season.

Opening with a show that's bound to get people saying "is this art?" or simply "wow," Bevier Gallery promises another lively year with a roster of nine shows.

The lead-off show, opening on September 22, focuses on sculpture and will bring to the RIT campus work of 16 New York State artists, all of whom have received fellowships from the Creative Artists Public Service Program. Ana Mendieta, one of the sculptors, says she works "to express the immediacy of life and the eternity of nature" and she'll be on hand in Bevier Gallery to make her sculpture on the spot. She's developed a technique using mild explosives of leaving an image of her own body on an earthen surface.

Following the sculpture show, are two exhibitions especially interesting to alumni. One is the "150th Anniversary Show," coordinated by Stanley Witmeyer, former director of the School of Art and Design and faculty member, and the "Alumni Invitational." The "150th Anniversary Show" is one of the events celebrating RIT's 150 years and opens Homecoming Weekend, Oct. 19.

Artwork from former RIT students will be shown spanning the years between 1885 and the present. Photographs of the campus and its people from the same period will be exhibited.

The "Alumni Invitational" will gather work in the fine arts area. Included will be work from Kathy Calderwood, Jack Wolsky, Bob Conge, Peter Berg, and Charles Haas and others. This show will be followed by the annual "Faculty Show," opening in January.

"Collagraphs, Photography, and New Directions in Printmaking" will run in February and then a four-man show featuring College of Fine and Applied Arts faculty members Norman Bate, Hans Christensen, Hobart Cowles, and Fred Meyer will open in mid-March.

The year will be capped off with three annual student shows: "Graduate Thesis Show 1," "Graduate Thesis Show 2," and the "Student Honors Show."

Gallery hours are daily from 9 a.m. to 4 p.m. with evening hours from 7 to 9 p.m., Monday through Thursday. On weekends, the gallery is open from 1 to 5 p.m. on Saturday and 2 to 5 p.m. on Sunday.



DATEBOOK

September 13—Chemistry Department Seminar. "Biochemical Studies on the Origin and evolution of Man." Speaker—Dr. Harold White, University of Delaware, 12:00–1:00 p.m. in Room 12–1470.

September 20—Chemistry Department Seminar. "Solar Energy Conversion By Photo-Induced Electron Transfer Reactions." Speaker—Dr. George McLendon, University of Rochester, 12:00–1:00 in Room 12–1470.

Talisman Film Festival (I)—Ingle Aud.

The Lodger—Sept. 13, 7:30 p.m., \$1.50 (I).
Young & Innocent—Sept. 13, 7:30 p.m., \$1.50 (I).

Midnight Express—Sept. 14, 7:30 p.m. and 10:00 p.m., \$1.50 (I).

The Ruling Class—Sept. 15, 7:30 p.m. and 10:00 p.m., \$1.50 (I).

A Doll's House—Sept. 16, 7:30 p.m., \$1.50 (I).

Mingus—Sept. 18, 7:30 p.m., \$1.50 (I).

The Loneliness of the Long Distance Singer—Sept. 18, 7:30 p.m. \$1.50 (I).

Foreign Correspondent—Sept. 20, 7:30 p.m. \$1.50 (I).

The Twelve Chairs—Sept. 22, 12:00 a.m., \$1.50 (I).

Heaven Can Wait—Sept. 22, 5:00 p.m., 7:30 p.m. and 10:00 p.m. \$1.50 (I).

Play Now, Pay Later—Sept. 23, 7:30 p.m., \$1.50 (I).

NEWS & EVENTS

Published weekly on Thursday during the academic year by the Communications Office at Rochester Institute of Technology and distributed free of charge to the Institute community. For information call 475-2750.

Bevier Gallery Calendar 1979

Creative Artists Public Service Program

CAPS Sculpture Show

22 September to 11 October
Preview Reception on 21 September from 8pm to 10pm

150th Anniversary Show

19 October to 8 November
Preview Reception on 21 October from 2pm to 5pm

Alumni Invitational

3 December to 21 December
Preview Reception on 7 December from 8pm to 10pm

1980

CEAA Faculty Show

12 January to 3 February
Preview Reception on 11 January from 8pm to 10pm

Collagraphs, Photography & New Directions in Printmaking

9 February to 28 February

Norman Bate Hans Christensen Hobart Cowles Fred Meyer

15 March to 3 April
Preview Reception on 14 March from 8pm to 10pm

Graduate Thesis Show 1

12 April to 24 April
Preview Reception on 11 April from 8pm to 10pm

Graduate Thesis Show 2

3 May to 15 May
Preview Reception on 2 May from 8pm to 10pm

Student Honors Show

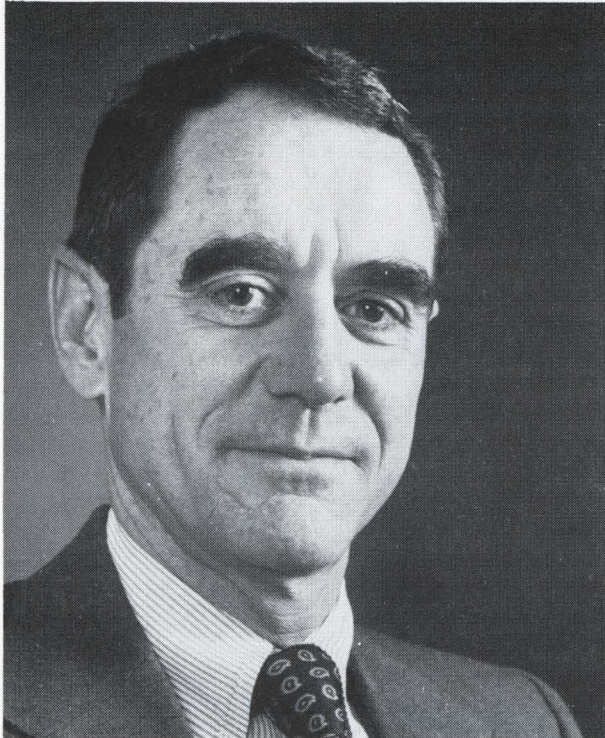
24 May thru Summer

Bevier Gallery Open Daily 9am to 4pm
Monday to Thursday 7pm to 9pm
Saturday 1pm to 5pm and
Sunday 2pm to 5pm

For additional information call (716) 475-2646

Rochester Institute of Technology
College of Fine & Applied Arts
Rochester, New York 14623

Toby Thompson, Bevier Gallery Director



150 Years of Tradition

State of the Institute Address by M. Richard Rose

The following are excerpts from President M. Richard Rose's first "State of the Institute" address.

I hope you share with me a great sense of pride in being a part of the Rochester Institute of Technology.

My mentor for my Ph.D. thesis was a historian, John Geise, known to many of you for his history of civilization text series, man in the western world. His admonishment to me was "you must know the past to be able to put the present in perspective and to anticipate the future."

This year surely brings that admonishment clearly into focus. One hundred fifty years of service—a century and one-half that has seen the greatest acceleration in change in recorded history.

A transition from manpower to machine power,
from horse and buggies to space travel,

from the town crier to world wide communications via satellite.

And yet human nature remains constant.

We still desire happiness from our home and satisfaction from our toil.

We still have an insatiable appetite to know and to understand.

We are still looking for a better way to do things.

With this backdrop then I would like to follow the practice of sharing with you the direction I see RIT moving in the coming year.

In this coming year we need to better understand the placement statistic so we will be placing greater emphasis on institutional research. In addition to analysis of placement, we will be initiating on-going longitudinal studies to measure the progress of our graduates.

This information will assist us in adding new courses, dropping courses, refining courses, as we constantly seek to improve the quality of our offerings.

In addition to curriculum changes, we need to step back from time to time and measure every activity on the campus in the context of support of our primary mission...that of teaching and learning. Everything we do should be supportive. We need to be consistent in providing a climate that is inclusive to learning. I believe there is room for improvement in the residence halls.

We will be less tolerant of those who chose to infringe on the rights of others and destroy the learning atmosphere by causing excessive noise or with abusive behavior.

Students are here to learn first—that activity should be central to student life on this campus. We need to insure they have that opportunity. The student affairs staff has the lead in this responsibility, but they cannot do it alone. We

all need to both support the effort and recognize the need for institutional consistency in this effort.

In the final analysis the policy statement isn't as important as our implementation and consistency in carrying it out. And, most important, in matters of conduct is the example we set. Whether we like it or not, we do live in glass houses. Our behavior needs to be worthy of emulation by our students.

This is an institution of higher education. By definition then, we are educating for positions of leadership in our society. Leadership demands conduct above the average. RIT will not reflect the mores of our society. We must be several cuts above the average. We must lead, not follow.

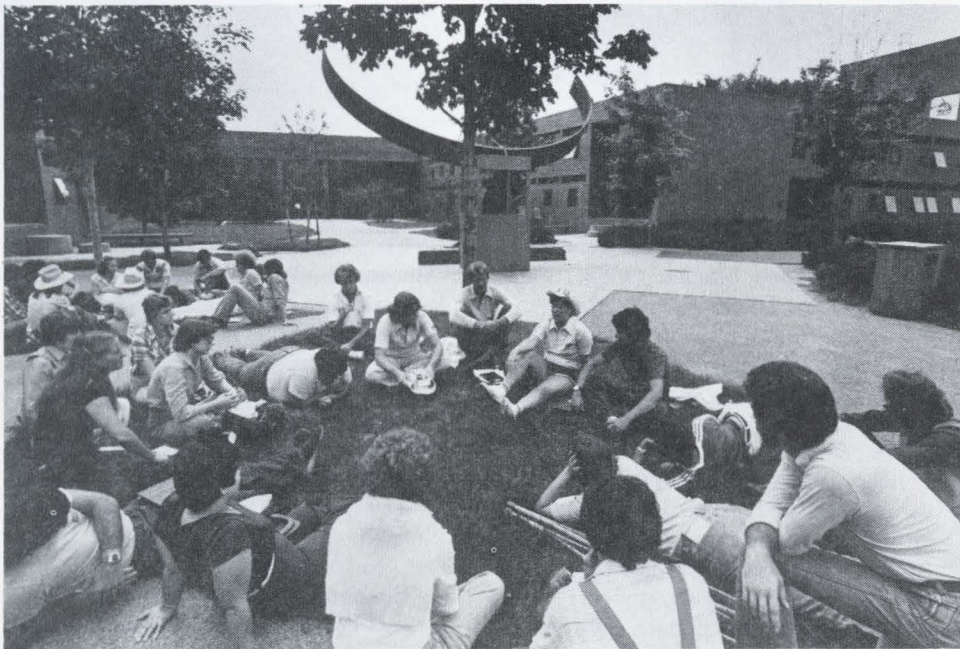
This same philosophy prevails in our curriculum. We have the obligation to prescribe what our students should learn.

Students should come to us with the full expectation of receiving the best we have to offer. We shouldn't do anything less. We should operate from the strength of our convictions and do what we believe to be right...popularity is not the final test.

On the more pragmatic side, our institutional economic health is good, not excellent, but solidly good.

continued on page 9

STUDENT ORIENTATION '79



WELCOME FROSH



President M. Richard Rose



Student Orientation Director Ann Hayes

It's the excitement of a new life, the farewell of parents, the reassuring smiles of new friends, and the enthusiastic faces of student volunteers hoisting luggage. It's all this and more, on move-in day at the RIT campus.

Nearly 1,500 freshmen and 1,000 transfer students joined a student population of 14,000 at RIT last week for the annual opening of the school year. Students moved in on Wednesday, September 5, and then spent five days becoming oriented before classes got underway on Monday, September 10.

One of the more dramatic events of the week grew not out of advance planning, but from the last minute heroics of Student Orientation Director Ann Hayes. "We discovered on the Tuesday before student arrival that Conrail planned to tear up the crossing on Bailey Road; it would have been catastrophic!" said Ms. Hayes. Bailey Road is one of the chief access roads to the RIT campus.

All the student orientation literature had instructed new students to travel to Rochester by the Thruway, take U.S. 15 north to Bailey Road and enter the campus through the back driveways. Hayes explained, "With Bailey Road closed down, we would have had cars of freshmen and irate parents backed up all the way to the Thruway."

The potential disaster was overcome by a series of quick phone calls that finally led to the desk of Dave Mazzeo, Conrail's director of engineering. Work on the grade crossing was halted for several days until RIT's freshman arrived on campus.

To help guide the new RIT students through their college arrival were 102 members of the Student Orientation Seventy-Nine (SOS-9) Committee. According to RIT's Vice President for Student Affairs, Dr. Fred Smith, "The volunteers play a very significant role in the orientation of new students to the campus."

The planning begins early in the academic year for the five-day orientation aimed at providing a positive and helpful entry experience for new students. Dr. Smith adds, "Those students have a terrific spirit and donate countless hours of time. I think it's the most outstanding student run program on campus and it provides a very warm welcome for new students."

This year the student orientation volunteers were clad in light gray cowboy hats and distinctive blue t-shirts. Sporting "Ask Me" and "I'm Here For You" buttons, they staffed information booths around campus, ran elevators, conducted tours and carried luggage for the 3,600 students who moved into the campus dormitories.

The week-long orientation provided a whirlwind introduction to college life for new students. Included in the schedule were a number of tours, information sessions, mixers, concerts and countless registrations, covering everything from assignment of a dorm mailbox to selection of classes. One of the highlights of orientation were performances of the rock musical "The Wiz" by NTID's Sunshine and Company, who interpreted the music in

sign language for the deaf.

Founded in 1829 as the Rochester Athenaeum, RIT is marking a major milestone in educational history with the celebration of its 150th Anniversary this year. The Institute has grown from a small rented space in a downtown Rochester building, to a three campus, 10 college institute with more than 14,000 students. Projections indicate an increase of six per cent in the full and part-time enrollment boosting the figures from last year's 13,265.

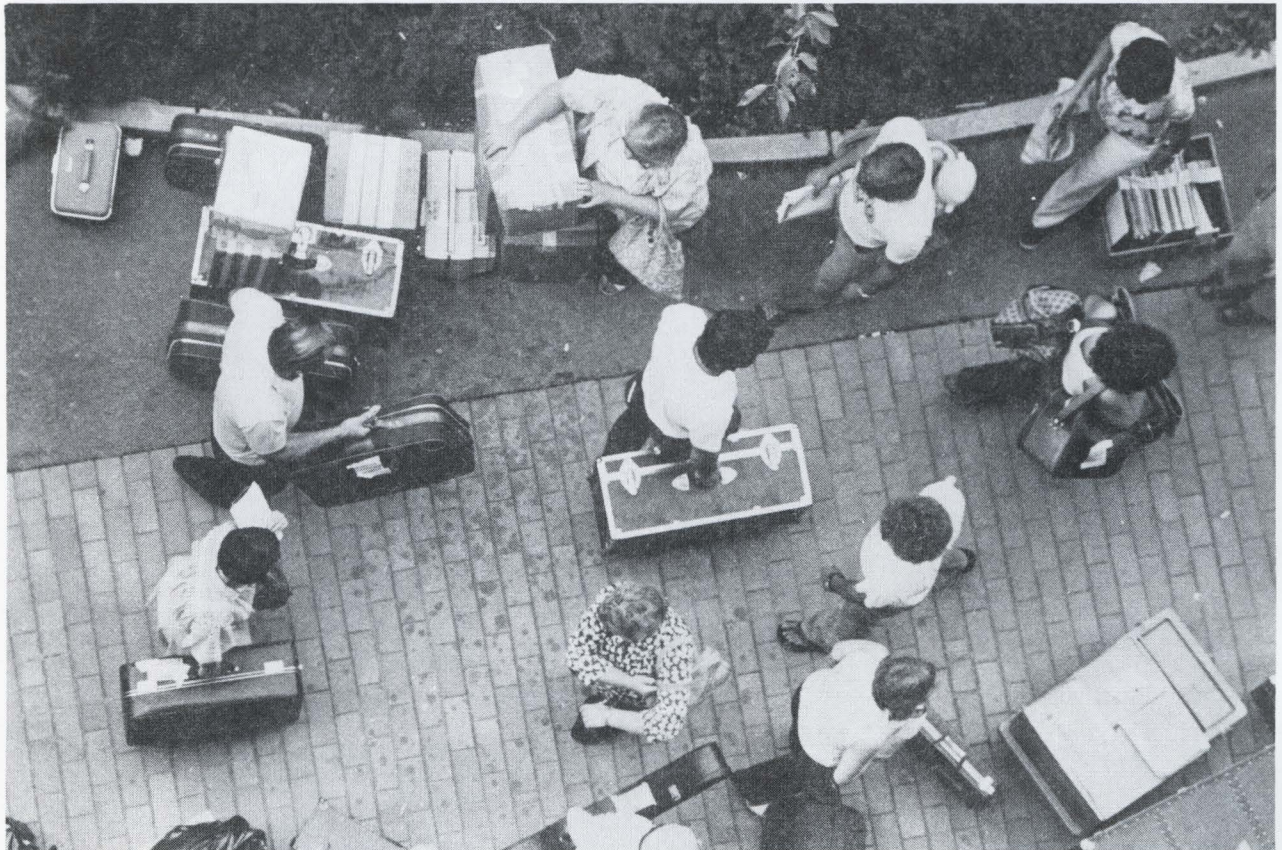
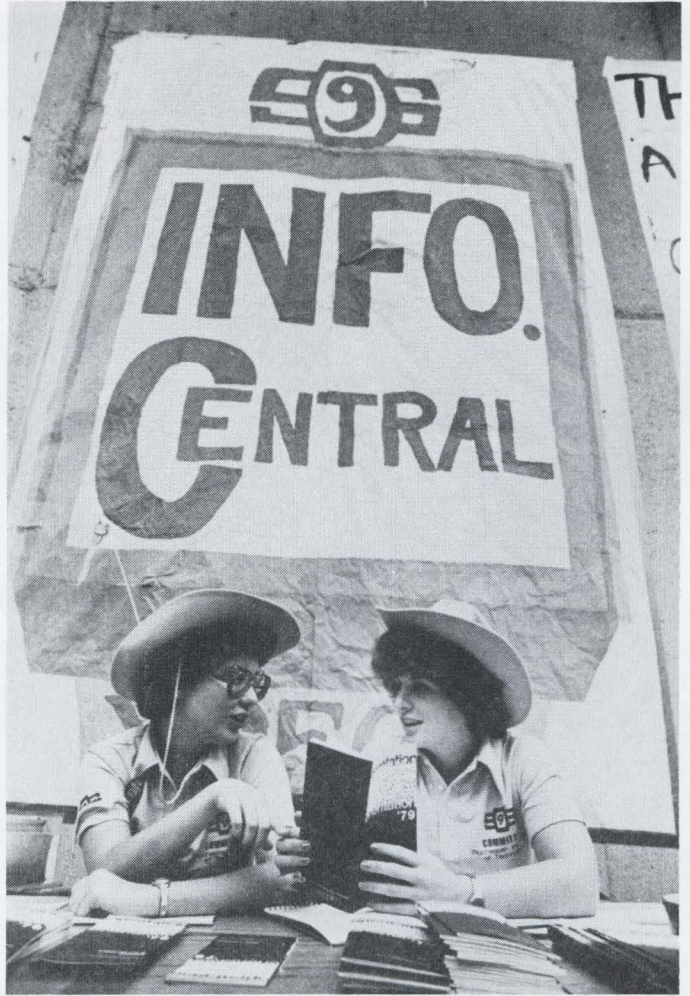
Eisenhower College, RIT's 10th and newest college, located in Seneca Falls, N Y., anticipates about 240 new students, representing a dramatic 25 percent increase, for a total student enrollment approaching 600.

Also making this 150th year significant, is the beginning of the first full school year for new RIT President M. Richard Rose.

In his opening day speech to the RIT faculty, Dr. Rose outlined a number of goals for the coming year. He commented on the enrollment increase and stated that despite the decreasing pool of available students nationwide, RIT would not be tempted to lower its admission standards, but instead, may tighten them in some cases.

President Rose also commented on RIT's growing national and international status and its effect on recruitment of international students. He announced that the Institute is embarking on a more fully systematized admissions operation and will use a marketing study to better sharpen the focus of the entire recruitment process.





We are too dependent on tuition revenues and thus tied very closely to enrollment. Due to this and the anticipation of increased competition for qualified students, we have moved in the past several months to strengthen our admissions program. We are moving to a more systematic function utilizing modern marketing techniques. In this fashion, we hope to avoid co-duplication of effort and provide a reliable function as things get tighter.

As we wind down two successful capital campaigns we will devote more time and effort to enhancing our on going development efforts. We need to broaden our base of support and increase our annual giving.

While most institutions are relaxing their admission standards and reacting in near panic to the shrinking enrollment pool, we will not relax ours. In fact, we will tighten them in selective areas, having a greater reliance on our more efficient admissions process and recognizing that the most compelling evidence in the frantic area of student recruitment is your record of achievement in placement. As long as we continue to place our graduates, I believe we will be able to maintain our market share of students.

One of the major challenges we face in the coming year bears directly on the admission's effort that of appropriate size. I honestly believe we can continue to grow as we did this year at the 6-7% annual rate. However, logic suggests that at some point we can no longer continue without very major capitol expenditures. And even if we could build the buildings we needed or wanted in this highly inflated construction market, we would still need to come to grips with that most difficult question. What is the most appropriate size for RIT for each of its 10 colleges? We will examine this question carefully over the next year looking at space, manpower needs of the future and mix of students by curriculum. We simply cannot allow outside forces to determine our destiny, we need to manage the process.

A second major challenge we face this year is to resist the temptation to become a traditional institution. In fact, this will undoubtedly be our number one challenge. We have all been impressed by the proud record of achievement of this institution...a record of innovations, of charting new courses. It must seem a bit amusing to some of you as you read of institutions moving into career education; knowing that RIT is one of the leaders in this pioneering effort, long before it be-

came fashionable.

It seems to me that we are at a very critical juncture of the growth pattern of this institution. We can take one course and seek the respect and approval of academia. Or we can be risk takers—people with a vision, with a conviction, willing to stand above the crowd knowing full well that we are exposed and personally more valuable. I firmly believe that this latter course is in RIT's tradition and we should continue it. In doing so, we face a growing challenge to insure that our graduates are prepared to meet the rapidly changing needs of business and industry. Again, it will be their acceptance measured by placement we will strive for.

It will be tempting to yield to the increasing pressures and natural desire to seek acceptance by our colleagues, by the various professional associates, to measure success by our reputation among our peers.

In the past eight months I have learned alot about RIT. And the more I learn, the stronger I believe the institution to be. This is a much stronger and better institution than I thought it to be upon agreeing to come here about one year ago.

The strength of the institution is in part its long history. It is in part the innovative programs.

It is in part the modern facilities and equipment.

It is in part a growing national and international reputation.

However, the main part of the strength is its people...

a faculty and staff of competent professionals, a supportative staff of dedicated personnel all drawn together with a common bond—in accomplishing the institutional mission.

Early this fall I will be receiving the report of a committee of faculty who worked over the summer to explore program possibilities for Eisenhower College. The preliminary reports are exciting. The report will be circulated for your comments, and by mid-fall, I hope to announce our plans for this new dimension to RIT.

Perhaps I should add a footnote here. The committee worked hard and the results clearly give evidence to this conclusion. But to me the spirit of cooperation evidenced in this endeavor is just as important as the report. I have every

confidence that with this firm base of mutual trust we will achieve our goal in perpetrating this living memorial to General Eisenhower... one that is fitting for this great American.

Another area that we will be moving forward in is the area of International Education. I believe RIT has technological and academic expertise that is needed in many nations of the world. A world that is shrinking daily and becoming more independent. Our best hope for a lasting world peace is increased understanding through knowledge. Our international education program will have as its focus three parts:

- Increase the numbers of international students on our campuses, enriching our learning environment.
- Provide opportunities for our faculty and staff to teach abroad, a form of faculty and staff development.
- To provide instructional programs for other nations.

While the international education effort will require a much closer liaison with the Federal Government, we will be seeking to enhance our government relations at all levels—Federal, State and local. Again, whether we like it or not, the government plays a major role in our institutional life. We need to insure it is a proper role and that RIT in turn is playing its proper role as a service provider and grant recipient in the government sector.

I mentioned at the outset that RIT is a stronger institution upon closer examination. A part of that strength is its key administrative staff. I am happy to report that we will continue to profit from this leadership—with one change. Dr. William Castle will become a vice-president of RIT for NTID. In addition, to overall responsibilities for NTID, Bill has a specific charge to further integrate programs and support staff functions.

And so as we start this 16th decade to this institution, and we are mindful of the noteworthy achievement of our fore-runners, let us remember that we have the baton now. Let each of us renew our commitment to the teaching/learning enterprise, to that common denominator we all share...that we can alter the cause of mankind, through our actions, the teaching/learning process.

It is a noble undertaking. I can think of no more important cause. I am proud to be a part of this great institution.

And so as we start this new school year, it is my hope and prayer that we can continue to serve in the tradition of the Rochester Institute of Technology.

GRANTS DEADLINES

Please note: GUIDELINES FOR ALL PROGRAMS ARE ON HAND OR HAVE BEEN REQUESTED. Please call the Grants Office for additional information, 50 West Main Street, 262-2719.

PROPOSALS SHOULD BE SUBMITTED TO THE GRANTS OFFICE ONE WEEK PRIOR TO DEADLINES FOR ADMINISTRATIVE APPROVALS.

NATIONAL SCIENCE FOUNDATION

ASAP—Applications accepted on a space-available basis. Chautaugua-Type Short Courses. Program consists of two-day sessions in the spring to permit invited scholars to communicate new knowledge, new advances, and new concepts and techniques directly to college teachers of science. Participants are expected to conduct interim projects during the winter at the home institutions. Each course is limited to the first 25 qualified applicants. Seven of the courses offered at the University of Hartford are available to science and engineering professionals from industry. Grants

continued on back page

NEWS & NEWSMAKERS

Joan Rizzo Cooley, former NTID Public Information associate, has been named assistant to the director of RIT Communications.

James L. Fox has been named assistant director of Business Services, effective October 1. Fox, who has served as director of Housing and Food Service for the past seven years, will continue to have responsibility for the RIT Food Service operation. In addition, he will assume over-all responsibility for the Protective Services Department, working directly with Protective Services Director William A. Allen.

Jim is a graduate of Florida State University and prior to joining RIT in 1979, served as a district manager for Saga Food Service Corporation.

Professor Douglas A. Lyttle, School of Photographic Arts & Sciences, will be presenting A GREEK EXPERIENCE September 16 at Nazareth College. In his presentation Lyttle captures the pulse of Greece in beautiful large screen images backed by authentic sounds. This program is part of the free Sunday Afternoons at Nazareth series which runs through December 9. All programs start at 3 p.m.

Dr. Julian Yudelson has been named director of the School of Retailing by the acting dean of the College of Business, Dale Gibson. Dr. Yudelson is also the president of the Rochester Chapter of the American Marketing Association.

NTID Theatre Presents the Fantasticks

A musical which is one of the world's most popular plays in recent theatre history will be presented by The NTID Theatre. Tom Jones' and Harvey Schmidt's enchanting musical, *The Fantasticks*, will be presented at 8 p.m., Friday and Saturday, September 14 and 15, and at 2 p.m., Sunday, September 16 at the NTID Theatre. *The Fantasticks* has played off-Broadway since 1960 and has run continuously since then.

The play tells an age-old tale of a boy and girl who fall in love. Their fathers, who supposedly oppose the romance, recruit a wildly romantic adventurer named El Gallo to abduct the girl and thwart the romance. El Gallo, with the help of two wandering actors, kidnaps the girl, but her lover heroically rescues her and the two fathers relent.

Songs from *The Fantasticks* include

"Try to Remember," "Soon It's Gonna Rain," "Never Say No," and "I Can See It."

The NTID presentation of this musical comedy, directed by NTID Theatre instructor Jerome Cushman, will be for both hearing and deaf audiences. It will be performed in sign language with voice. Hearing actors are integrated with deaf actors on-stage to provide voices for their deaf counterparts—so voice and signs are presented simultaneously.

The cast includes both deaf and hearing RIT students and staff as well as members of the Rochester community.

Tickets for *The Fantasticks* are \$1 for all students, RIT faculty/staff, and senior citizens, and \$3 for all others. For reservations and information call the NTID Theatre box office at 475-6254 (voice and TTY).



A FUNNY LOVE STORY

Henry and Mortimer, two wandering actors hired by El Gallo, abduct a struggling Luisa in the "rape ballet" scene.

(From left to right) Henry is played by Matthew Moore, Indianapolis, Luisa is played by Mary Vreeland, Elkhart, and Mortimer is played by Gary Meyer, Wilmette, Ill.

Grant Supports World Studies Program at Eisenhower

A grant from the United States Office of Education supports a newly established Center for World Studies of Eisenhower College.

The grant provides further refinement of the college's general education program in World Studies and supports sharing the program with secondary schools, businesses, and other colleges and universities. Office of Education funding in the first year of a two-year grant to Eisenhower is \$60,000.

The Center, like the college's general education program, will call on resources and faculty in a range of academic interests to promote understanding of important world cultures and their effect on each other. The Center will assist individuals and groups in developing "global" or "world perspective," say Eisenhower College planners.

"Over the past eleven years, faculty and administrators at Eisenhower College have developed an educational program in World Studies which can appropriately be described as a national resource," said College President Joseph D. Coffee, Jr. "Indeed, knowledgeable persons from colleges and universities both in this country and abroad have sought (and received) more than 400 copies of our syllabi since we introduced World Studies as the core of our curriculum in 1968. By funding our proposal to create a World Studies Center, the

Office of Education acknowledges the importance of this kind of program and makes it possible for Eisenhower College to share its experience more widely."

Eisenhower planners have established a three-phase program for the World Studies Center, with the first phase funded in part by the Office of Education. In the first phase the college will accelerate development of faculty, curriculum and materials in World Studies; create more precise instruments for evaluating World Studies; and make the World Studies experience available to groups and persons outside the college through seminars, workshops and published papers.

In subsequent phases, the Center will develop and support interdisciplinary teams, outreach programs and scholars from other cultures, and develop and distribute materials to support instruction. The Center anticipates additional funding from a variety of sources to implement other aspects of its long-range program.

Director of the World Studies Center is Dr. Warren L. Hickman, vice president for Academic Affairs and dean of the faculty at Eisenhower, and the creator of the World Studies Program. The Center will draw on the expertise of 26 persons currently teaching in World Studies and representing more than a dozen academic areas.

Help Wanted at



WITR is expanding its scope of involvement this year to include faculty and staff.

Help is needed in all areas of broadcasting. Interested persons may call 475-2000 or "drop in" at the station's studios in the basement of the College Alumni Union.

The station has applied for permission to operate with higher power which would necessitate more staffing.

New Bookstore Hours

Mon. thru Thurs.	8:30 am - 9:00 pm
Friday	8:30 am - 4:30 pm
Saturday	10:00 am - 1:00 pm

Campus Bus Service

WESTBOUND

	MORNING
Leave Campus Services	7:05 - 8:05 - 9:05 - 10:05
Leave Grace Watson	7:09 - 8:09 - 9:09 - 10:09
Leave NTID circle	7:13 - 8:13 - 9:13 - 10:13
Leave Admin circle	7:20 - 8:20 - 9:20 - 10:20

EASTBOUND

	MORNING
Leave Racquet Club	7:35 - 8:35 - 9:35 - 10:35
Leave Admin circle	7:49 - 8:49 - 9:49 - 10:49
Leave NTID circle	7:35 - 8:53 - 9:53 - 10:53
Leave Grace Watson	7:57 - 8:57 - 9:57 - 10:57

NO BUS SERVICE FROM 11:00 thru 12:00

AFTERNOON

12:05 - 1:05 - 2:05 - 3:05 - 4:05 - 5:05 - 6:05 - 7:05
12:09 - 1:09 - 2:09 - 3:09 - 4:09 - 5:09 - 6:09 - 7:09
12:13 - 1:13 - 2:13 - 3:13 - 4:13 - 5:13 - 6:13 - 7:13
12:20 - 1:20 - 2:20 - 3:20 - 4:20 - 5:20 - 6:20 - 7:20

AFTERNOON

12:35 - 1:35 - 2:35 - 3:35 - 4:35 - 5:35 - 6:35 - 7:35
12:49 - 1:49 - 2:49 - 3:49 - 4:49 - 5:49 - 6:49 - 7:49
12:53 - 1:53 - 2:53 - 3:53 - 4:53 - 5:53 - 6:53 - 7:53
12:57 - 1:57 - 2:57 - 3:57 - 4:57 - 5:57 - 6:57 - 7:57



GRANTS DEADLINES

include the cost of lodging but participants or their institutions must pay the cost of travel, meals and incidental expenses. A total of 30 courses both disciplinary and interdisciplinary are offered at Hampshire College, Pennsylvania State Univ., Univ. of Maryland, Univ. of Georgia as well as the Univ. of Hartford.

No deadline—Research Equipment and Instrumentation for Non-Ph.D.-Granting Institutions. 60 grants to be awarded for science equipment, with unit acquisition cost not exceeding \$25,000 to colleges that can demonstrate that the scientific equipment will make it possible for qualified science faculty to perform good research. Although the competition has no deadline, evaluation of proposal may take up to nine (9) months.

September 28—Local Course Improvement for Undergraduate Science Education. To permit science faculty to revise and improve local instructional programs, to introduce currently important scientific or technological developments and for developing improved approaches to the presentation of scientific concepts and applications.

October 1—International Travel Grant Program. Grants to permit U.S. scientists to participate in international scientific meetings held abroad for the purpose of obtaining scientific information and for professional development. Applicants must have been: a) invited to lecture, b) invited to organize a special session, c) invited to participate in a NATO Advanced Study Institute.

October 30—Student-Originated Studies. To support teams of college students with experience in independent, self-directed study and to demonstrate the effectiveness of such study as an adjunct to or replacement for portions of their traditional formal course work. Each study is conducted by a group of students comprised primarily of undergraduates. Each project deals with a local problem that has immediate relevance to the community. The projects are wholly student-originated and managed, with faculty in an advisory role. In general, studies should be multidisciplinary covering problems of the physical, biological and social environment.

U.S. DEPARTMENT OF TRANSPORTATION

To be announced—Research in areas of (1) control in transportation systems (2) maintenance and upgrading of transportation facilities (3) technology for advanced transportation safety (4) transportation and com-

munity development (5) transportation planning methodologies (6) freight transportation.

NATIONAL ENDOWMENT FOR THE ARTS

October 15—Artist's Fellowships. For painters, sculptors, printmakers, conceptual artists, artists specializing in drawing and performance and video artists working within a visual arts context. Grants up to \$10,000 plus a limited number of \$3,000 fellowships for emerging artists.

U.S. OFFICE OF EDUCATION

October 12—Student Research. Program supports a broad range of research and research-related projects, focusing on the education of handicapped children. Thirty new grants, averaging \$8,000 are expected to be awarded.

October 31—Field Initiated Research. Program supports research related to education for the handicapped. Thirty-three new grants averaging approximately \$90,000 are expected to be awarded. Last year grants ranged from \$10,000 to \$200,000 per year. Project duration is approved from one to three years.

NATIONAL ENDOWMENT FOR THE HUMANITIES

October 1—Research Material Grants, Research Tools. Research Tools program supports the preparation of atlases, bibliographies, dictionaries, encyclopedias, linguistic grammars, concordances, catalogues and guides considered essential for scholarly research. The program also supports the dissemination of this knowledge. The editing proposal supports the preparation of authoritative newly annotated texts of works and papers significant authors or historical figures. A single volume or the collected writings and perhaps hitherto unpublished materials of a figure of major importance to the humanities or documents from a variety of sources may be included within the scope of the project.

October 1—Public Understanding of Science. Program supports any projects which supplies the general public with a better knowledge of scientific and technological activities with particular emphasis to major issues of personal and public concern. Project would include radio and TV programs, newspaper and magazine articles, museum and science center exhibits, dramatic radio and TV programs newspaper and magazine articles, museum and science center exhibits, dramatic and film

presentation, lectures, workshops and popular science activities. Also included in the program would be any activity to improve the current methods of communication with the public, including any innovative mechanism to communicate more effectively. In addition, studies to determine the interest of different public audiences and the cost benefits associated with the various techniques of public communication is within the scope of the program.

November 12—Category "C" Fellowships. Provides a maximum stipend of \$20,000 for a continuous period of 12 months to permit college teachers to work in a library suitable for advanced study and to discuss their work with the seminar director and other participants from across the country. Maximum stipend is \$20,000.

NATIONAL INSTITUTE ON AGING, National Institute of Health

November 1—Support for bi-medical, psychological and social research directed towards greater understanding of the aging process and towards an improved health status for the elderly.

NATIONAL INSTITUTE ON ALCOHOL ABUSE AND ALCOHOLISM

November 1—Support for research into the problems of alcohol use and alcoholism.

NATIONAL ARCHIVES

October 1—Support to help preserve important historical documents.

CENTER FOR FIELD RESEARCH

October 1, 1979–January 15, 1980—Field Research Grants. To encourage public understanding of science in the fields of: Anthropology, archaeology, art history, astronomy, biology, botany, cartography, conservation, ethology, folklore, geography, geology, historic preservation, marine sciences, medicine, meteorology, musicology, ornithology, restoration sociology.