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## So Long.

Because our final issue is the Art issue, this will be my last editorial until next Fall, so I would like to take this opportunity to thank everyone on my staff who has helped with the transition. I believe we have seen immense improvements with our publication, and with time it will only get better. The students at RIT have witnessed many outrageous and insane events this year, such as the Greek Houses fiasco, the condemnation of Racquetclub, the uproar of the annual Distorter, and the uncountable parking tickets received by Campus Safety. Which brings me to point of this editorial.

I cannot tell you how many parking tickets I have received at RIT since I was a freshman. Only recently has it started to get better, but the worst incident so far was when I got a ticket for being unregistered, when the registration sticker was clearly on my car. On top of that, the parking official must have been color blind, because he described my purple car as blue and gray. I ended up wasting a half of an hour appealing the ticket.

I have been questioning law enforcement agencies for quite a while. Not just our Campus Safety at RIT, but even local and state patrol. I have been pulled over at least 6 times since I turned 16, for no apparent reason. Maybe it was the flashy red sports car I was driving at the time, but I have only received one ticket for speeding, and that was well deserved.

Another occurrence that got me fuming was approximately two weeks ago, when I was driving home from Cleveland.

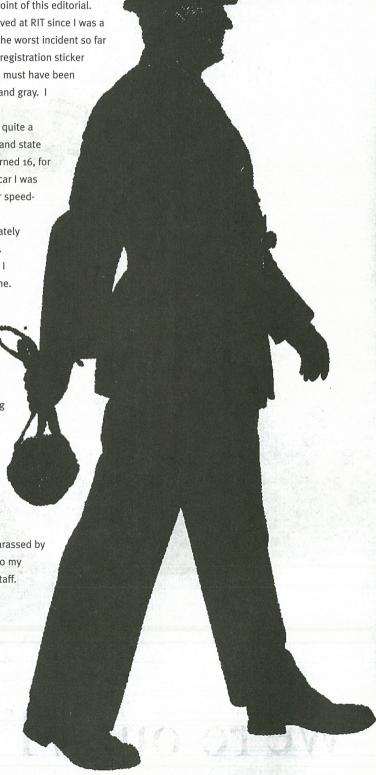
Cruising along in my car, nice sunny day, no one around. I had the road all to myself, and I was making excellent time.

As soon as I hit the New York State border, my fun ended. At every U-Turn on Route 90, there were at least three State Highway Patrol cars! At one spot, there were over 20 cars pulled over on the side of the road. Now, what could they have been doing?

Maybe there was an escaped convict? Was it a training session? Maybe they just needed to reach their quota on the number of speeding tickets they were giving out? Who actually knows, but how many police does it take to do a job? I was outraged at the waste of time that I perceived was taking place, not to mention that the increase in patrol made me decrease my speed significantly.

I am certain I am not the only person who has been harassed by our law enforcement agencies. In fact, the next section to my editorial page was written by a member of my editorial staff. Have a great summer.

Kelley M. Harsch Editor in Chief



## "The Man"

I say these words with a certain forbearance because of what they connote. It seems that in today's society, let alone on this campus, there is a certain negativity inherent in this phrase, a negativity which at times may be individually justified. Ignorance is man's greatest enemy, but I think more often than not it is a specific type of knowledge that we lack: answers. One can only assume, then, that there must be questions that need to be answered.

Our purpose as students is to learn. This means gaining knowledge by asking questions. Being a student on this campus, I for one am constantly questioning life, questioning my choices, questioning the events that take place around me, and more often than not, questioning "authority." At times, that which I cannot answer seems to breed a certain cynicism.

Of late there have been a lot of questions surrounding one specific authority on this campus: Campus Safety. It also seems that answers have been few and far between, and it has brought that cynicism toward this organization and others associated with it.

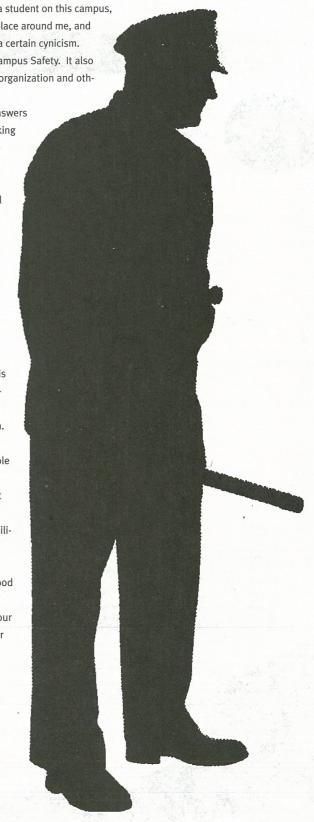
Our job at Reporter is to convey information to the RIT populace at large. It is also to provide answers and promote new questions to increase knowledge, and hopefully to lessen ignorance. While working on this issue, our staff managed to run into a little dilemma. One of our photographers, on assignment to acquire imagery for the campus safety feature, was summarily detained by officers of the aforementioned organization, and led off to be "interrogated" and "harassed" by these officers and their supervisor. Upon questioning the photographer's intent, the supervisor proceeded to tell the photographer that he had to know everything that was to be photographed, and the angle of the story, so that it would not be politically damaging to his organization.

After hearing of these events the next day, my initial reaction of shock was overcome by a wave of rage, and I immediately dialed x3333 and asked to speak to a supervisor. I advised him of First Amendment rights and the protocol of going through our organization's "chain of command," rather than trying to intimidate one lone photographer who was merely trying to complete an assignment. I cannot say how this matter will be handled, or how the officers in question are going to be dealt with. It seemed obvious to me that the supervisor I spoke with had no prior knowledge of the incident, which leads me to believe that the officers acted alone, and were not representative of the organization as a whole. This situation has led me to believe that ignorance is not just a student problem, but a campus problem. The officer, while maybe having the best intentions, was obviously ignorant of the Reporter's role on this campus, and maybe even of his own.

Reporter is not the RIT Public Relations Department. We are not governed by the administration. We are a student-run organization that at times looks to our advisors and even to the administration for guidance and advice. What we do with that advice is up to us, and we are solely responsible for the consequences. The only obligation we have is to try to present the facts to the RIT student body, so that they in turn can draw their own conclusions about issues affecting them. We are not obligated to show anyone or any organization on this campus in any light other than that which it deserves. We are protected by First Amendment Rights, but at the same time we have a responsibility to those rights. We cannot infringe upon or misuse those rights, just as we cannot be infringed upon ourselves.

In keeping with our goal of reducing ignorance on this campus, we have decided to devote a good portion of this issue to the answering and promoting of questions regarding RIT's finest, or "The Man." We will hopefully show both sides, and convey as many of the facts as possible, but it is your job as students to use this knowledge as a basis for your own judgments, conclusions, and further questions.

Michael Shavalier Art Director







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A security force was formed by the Board of Trustees in 1969 under the authority of New York State education law 6450, subdivision 1. Known as Campus

Safety, it was chartered to maintain public order and the safety of all people on campus. Today, the motto of Campus Safety is "To serve, protect, and guide." The

department fulfills their motto through a number of services available to all faculty, staff, and students. These services include escort service, blue-light courtesy call boxes, crime prevention awareness pro-

grams, bicycle registra-

tion and engraving, lost and found, motorist assists, and emergency notifications. There are also fire evacuation services, emergency first aid, security surveys, van charters, crisis intervention, transportation services, mobility impaired van services, and apartment lock-outs.

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There are currently 27 fulltime campus safety officers and a number of student parking officers employed by the department of campus safety. The department prides itself in having one of the strictest sets of qualifiction standards. To become an officer, you must complete the following requirements: have a minimum of an Associated degree, have at least three years experience as a security guard or related field, be certified by New York State as a security guard, and pass a physical fitness test. Once hired, officers receive training in CPR, first responder first aid, crisis intervention, and American Sign Language. To augment this training, officers are annually required to take an additional eight hours of training courses.

Campus Safety also prides itself on its student officers. There are students that work for campus safety that are fully trained and certified by the same procedures as the full-time officers. The student officers are offered opportunities unique to RIT. They receive training in administration and management skills to help prepare them for when they graduate and enter the work force.

Campus Safety tries to maintain a policy of proactive prevention of crime on campus. There are constant patrols by foot, bicycle, and car that keep watch over the campus at all times. Programs are offered to teach students how to protect themselves and their belongings while living on campus. Officers patrol an assigned route daily to allow students to get acquainted with them and develop rapport.

Campus Safety also monitors over 250 security systems throughout the academic and residential sides of campus. On average, out of the approximate 100,000 calls received, Campus Safety files a total of 25,000 incidents reported throughout an

This keeps the department fully loaded with work at almost all times. With 14,000 registered cars and only 7,400 parking spaces available

academic year.

more out about what Campus Safety is doing or what has been going on campus, then check out Campus Safety on BBS.

Many people have questions regarding policies and procedures followed by Campus Safety. One of these was "Why did it take an hour for Campus Safety to arrive at Colony after the shooting?" As it turned out, the students that reported the incident called the Monroe County Sheriff by dialing 911. The NYS police and Monroe County Sheriff do not have so strong a relationhip with Campus Safety as

the department might like. As a result, there is a definite loss of relative response time by Campus Safety when the Sheriff or state police are called. According to their computerized dispatch center, once Campus Safety was notified of the shooting in Colony Manor, it took less than two minutes for an officer to respond to the call. Similarly, it took seven minutes for an officer to arrive on the scene when a student was burned by acid in one of the dormitory halls on Saturday, April 26th. The difference in time can be accounted for by tracing out the steps of the officer. The officer needed to leave the office, get into a car, drive over to the dorm area, park the car, and proceed to the site of the incident. Due to the increased amount of violence that took place in only one week's time, Campus Safety has increased its patrols on campus. The increased activity's goal is to prevent further incidents by maintaining a visible presence and a sense of security for those in the RIT community. Although events of this magnitude cannot be predicted, Campus Safety is prepared to handle just about anything that anyone can send their way.

Campus Safety has done and hopefully will continue to maintain it's standards and fulfillment of its motto, "To Serve, Protect, and Guide."

for residents, faculty, staff, visitors, and students, illegal parking must be controlled in order to allow enough room for the cars to park.

Campus Safety is concerned about the quality of life on campus, even when the quality of life goes beyond of safety and security. When situations like these present themselves, Campus Safety relays the information to the appropriate departments within the Institute. Communication plays a major role in trying to maintain a high quality of life on campus,



Campus Safety has the only fully-certified, deaf college security officer in the nation, according to Richard

Sterling, Director of Campus Safety. This allows for better communication between the deaf community at RIT and Campus Safety. While every officer may not be fluent in ASL, all full-time officers have received training in the language to allow further communication between officers and students. If you are interested in finding

### CAMPUS SAFETY PR

Rumors have been circulating about incidents involving gunshots at RIT. The most serious of them involved an armed robbery at Colony Manor Apartments on April 23. An open forum was held at the Colony Cabana on April 30, at which representatives from Campus Safety, Residence Life, and Business Services related what they believe are the facts. The following is the story presented at the forum.



Three men entered the unlocked Colony apartment and forced two RIT students to the ground at gunpoint. The suspects proceeded to scour the apartment for valuables. Upon exiting the building, the suspects bumped into a friend of the residents, also an RIT student, who was coming up to visit. The friend followed the robbers. After a warning to back off, two shots were fired at him, and his neck was grazed by one of the bullets. He managed to get the license plate number of the robbers' car as they left the scene.

Immediately following the incident, the three students made a 911 call, and the Monroe County Sheriff's Department rushed to the scene. The Sheriff's Office then waited for the suspects at their home. When the robbers showed up, two of them were arrested and jailed while a third fled on foot. The alleged shooter was one of the two arrested. The two men will be charged with robbery and assault with a firearm. Neither of the two men is associated with RIT. Both the Sheriff's Office and RIT Campus Safety are continuing their search for the third criminal.

Campus Safety claims that it was not notified of the incident until an hour later by a "concerned resident." Once the call came in, officers were on the scene within two minutes. Campus Safety has placed extra patrol cars in all RIT apartment complexes for added security. However, Director of Campus Safety Richard Sterling says, "We have reason to believe that this was not a random act," and that apartment residents should not be fearful of a chain of similar events occurring. This is the first time a firearm shot has been reported in the entire history of RIT.

The incident was reported to the RIT University Press Relations Department. It appeared on the television news and in the *Democrat & Chronicle*. Campus Safety also submitted a major incident notification to all apartment residents as well as posting it on the VAX. At the same time, an unknown source was distributing another notice about the incident, which Campus Safety dismisses as inaccurate.

Reporter has had the opportunity to obtain a crucial interview with the friend who was allegedly shot at by the suspects. His viewpoint adds more detail to the story and hopefully will dispel some of the rumors that have been floating around. He has asked that his name not be released, so we will call him Victim.

He states that the two suspects knocked on the door and were called inside by the residents, who were expecting some of their friends. "They have a lot of friends come over to visit, so when someone knocks, it's just normal to yell to them to come in. They had no idea." He also points out that neither he nor the residents of the apartment have any connection with the robbers, or have any idea who they might

have been. The robbers promptly grabbed the residents and forced them to lie on the ground. They had been searching for money but settled for a stereo and a VCR when they could not find any cash.

Victim claims that when he arrived, the first thing he saw was the three men leaving the building with the stolen items. One had a ski mask over his head; the other two were not disguised at all. Victim points out that he "followed the guys because they looked suspicious. I thought something was up because one of the guys had a ski mask on. I had no idea that they had a gun. I wouldn't have chased them if I had known that."

"Finally, the guys turned around and told me to back off. Then they fired two shots. I felt one breeze past my neck. At that point, I thought that all they had was a BB gun because it didn't hurt me. It really was a .22 gauge revolver. I'm so lucky. If that bullet had landed a half inch away from where it did, I'd have been dead," Victim explains.

When asked about Campus Safety's role in the incident, Victim noted, "They didn't come until later. I heard that someone called them, but Campus Safety didn't think it was real serious. They thought it was a prank call or something."

The two residents of the apartment in Colony have opted to move out, and all three victims are fine. Victim isn't afraid, but is acting cautiously: "I'm looking up, down, every which way - not because I'm afraid of these guys, but just because I'm shaken by this whole thing."

#### **Party Turns Violent**

On Saturday morning, April 26, at 3 a.m., a fratemity party in the Student Alumni Union got out of hand when several RIT students confronted a group of off-campus visitors. An eyewitness stated that a door in the SAU was broken by a chair after a fight started at the party, and the problem eventually moved outside to the Administration parking lot. An unknown male then fired a gun several times into the air, and immediately fled from campus. No one was injured. The Monroe County Sheriffs' Department is investigating the incident. This happening has been declared unrelated to the occurrence in the Colony Manor Apartments several days before.

By Jeremy Perkins

#### **Acid spill**

Students living in the dorms may have noticed quite a commotion on Saturday, April 26, as fire trucks and police cars swarmed the residence side of campus.

According to Chris Denninger, Associate Director of Campus Safety, a call was received at 1:16 p.m. from a student living in Gibson Hall. The student reported that he had noticed a purplish substance on his door. When campus safety officials responded, they found that the unknown substance had caused some damage to the carpeting. They immediately called in one of two environmental specialists employed by Campus Safety, as well as the Henrietta Fire Department and the Sheriffs' Office.

The student who made the call to Campus Safety came into contact with the substance when his arm brushed against the doorway to his room. After noticing what Denninger calls an "irritation" of the skin, the RIT abulance was called and the student was treated.

The substance is still unknown, and the Sheriffs' Office and Campus Safety are still investigating the identity of the student responsible.

by Elisabeth Horrel

#### **Picture in Question**

Last week a Reporter photographer was given the assignment to photograph Campus Safety vehicles, especially the brand new cars that ensure our well-being. As the photographer proceeded to take pictures of the cars, two officers approached her and requested to escort her to Campus Safety Headquarters.

The photographer was not allowed to continue photographing and reluctantly followed the officers. Once inside, the photographer met with Wayne T. Sutherland, who very politely notified her that "All pictures of campus safety must run through me."

Mr. Sutherland expressed his concern that Campus Safety would not be portrayed in a negative way. Although he was courteous and considerate, he was in effect saying that the photographer could not take pictures of Campus Safety vehicles.

Later that day the photographer was contacted by telephone and informed that she had received permission to take pictures of Campus Safety.

#### **Take Back The Night**

Murder. Rape. Domestic violence. These crimes happen most frequently to women in the night. We see it on the news every day, and many women have just accepted it as a fact and don't go out at night alone.

The Take Back the Night rally began in 1973 in Germany, when a group of women marched in response to a series of rapes and murders of women in their town. Their goal: to show the world that women could, and would, band together to take the night back for themselves and regain the freedom that fear had taken from them. Since then, women all over the world have joined them.

RIT has hosted "Take Back the Night" since 1992, according to PIERS representative Stephanie Knapp. "Take Back the Night is about empowering women to band together." This year's rally, with speakers Dr. Jean Douthwright, Dr. Keith Jenkins, and Dr. Kijana Crawford, kicked off a march from the SAU to the Residence Hall side of campus. Women and men marched together, showing support to all women who are afraid to leave their homes when the sun goes down.

Dr. Douthwright has been involved with the Take Back the Night rallies since they began in Rochester in the late 1970's. She is very aware of the dangers women face today, especially when looking at the economics behind the violence.

"The economy is very bad, and everyone feels the stress," she states. "Students look at the job market and are fearful of it; when that happens, violence against everyone— especially women— occurs."

When Douthwright was a student, she never thought much about her own safety. Today, she is much more aware, and much more active. She makes regular trips to Paiwas, Nicaragua, to help the women's shelters nestled in the edge of the rain forest. With an economy much worse than our own, the women suffer that much more. "They think that the European and American women have all the answers to their problems, but in a way, they are much more advanced at holding men responsible for their actions against women."

Dr. Crawford is also very involved with empowering women. In addition to her public speaking against domestic violence and other crimes against women, she teaches Women in Contemporary U.S. Society, a course in how women have been treated in the United States and how we can change the stereotyped perceptions.

Dr. Jenkins began his work in empowering women in a different way. As a resident assistant in the University of Florida, he was confronted by violence against women in a close-up manner when another RA came to him for advice one evening. One of her floormates had been raped and wanted information on abortion, and she didn't know what to do. Since then, he has used his talent for public speech to bring attention to the problems women face and the need for greater support for them.

The Take Back the Night rally and march is an important tradition for the women of RIT— and the rest of the world. As the chant says, "Women Unite...Take Back the Night!"

#### CAMPUS SAFETY - WHAT DO THE STUDENTS SAY?

Campus Safety. These are two words that every student shudders about and has some opinion of while at RIT. But the question is, how good of a job does the student body think they are doing? After talking to many students here at RIT, many opinions and stories were told about Campus Safety--both in praise and disgust of the way that some situations have been handled. The following is an excerpt of actual stories that some students gave about Campus Safety.

REPORTER would like to state that all information given was in complete confidence of anonymity when requested, and no students' names will be given. These stories are completely based on students' experiences, and the interpretations cannot be researched as factual evidence.

One female student gives the following story:

"I never had any problem with Campus Safety at all until one night when they harassed my boyfriend and I. It was Valentine's Day, and we were going out to dinner. Well, we had been fighting all night, and when we came back from dinner, we started to shout at each other again. So we just decided to sit in the car and talk about things. We were out in B-lot and didn't feel like getting out into the cold yet and just wanted to be alone to talk.

"We sat there for about 45 minutes, when all of a sudden a Campus Safety car pulled up behind us. We didn't think anything about it, figuring they were just ticketing or something, and continued to talk. A few minutes later, this bright light was being shined into the back of the car. My boyfriend just stuck his head out of the window, and asked them what they were doing. They turned off the light and left.

"Then, about 10 minutes later, some guy was banging on the passenger-side car window with a flashlight in my face, asking me what was going on. Now, we had been talking for about an hour and I was crying. I thought 'Oh great, what does this look like?' So I told them it was none of their business and to leave us alone. Then, another guy was tapping on my boyfriend's window asking him to get out of the car.

"By this time, the guy was practically dragging me out the car and requesting to see my ID. I refused, and asked him what we were doing wrong. He didn't answer and kept demanding an ID. The officer inquired where I got the car and if it was stolen. I was driving my friend's car, so obviously the car wasn't registered under my name, and I just wanted them to leave us alone.

"They were harassing my boyfriend; asking him for his ID. Then, he asked me if my boyfriend was beating me. I almost started laughing at them, thinking 'Yeah, my boyfriend of two years beats me.' He was getting mad because the guy wouldn't let go of my arm, and things were getting out of hand. Finally, I calmed down and told them why were talking in the car. The officers explained that we should not be outside.

"I never understood that, and we left. I never went to file a complaint because at that point it was so late and I just wanted to go home. I figured that by the time I would have gotten there on Monday, I'm sure they would have had some other story on record about how they were just doing their job or something. I think it was totally out of line what they did, and don't trust them whatsoever anymore."

One female student had this to say about the reliability of Campus Safety:

"One time my car's battery died, and I needed to get a jump. It was early evening, and I was stranded on campus. I called Campus Safety to get a jump, and they said they would be there in about 20 minutes. I waited...and waited...and waited for about an hour and a half. It was so dark, I was alone, and very angry. When I called back, they said that they weren't even aware that the call had been placed and they would send someone in about 20 minutes. With that, I just told them to forget it, and I called one of my friends to come to campus and pick me up. It just bothered me to think, what if it was in the middle of the night and I needed them? How long would it take for them to get there?"

One student states, "I think it is absurd that Campus Safety has no written procedures or guidelines for taking statements from students. Often scared students will write anything down that an officer will imply to relieve the blame of an incident from themselves. I've seen accused students being read their rights after they've already written a Statement of Fact, which if the student was aware of their rights they would not have to have written at all. To my disbelief, I've even seen Statement of Facts not even signed by the person writing them. Instead they've been signed by the Campus Safety officer questioning the student. "

Another student speaks about the situation living in the apartments:

"I feel as though we are in a prison with the Campus Safety cars patrolling all around and stuff. I feel as though they are just waiting for us to do something wrong. I remember one summer when we used to have parties, they would be on our doorstep before the event even started. That's so unfair. Just because we had a few incidents on our record, they had to monitor us all the time? That's discrimination."

One student speaks about her findings that Campus Safety opened doors with



out any one's knowledge.

"I used to live in a dorm where we had a sliding glass door. Every morning I assumed our RA would open up the door so we could go out and enjoy the weather. One weekend, I realized that the door was open at 2 in the morning and I got a little concerned. I went to my RA, who said that it was Campus Safety who opened the door on Thursday, and left it open all weekend. I don't know if they simply forgot about us or what, but I felt very unsafe."

Many other opinions were given by several different students without any specific incidence, but one student summed it all up:

"I guess you could say that Campus Safety just doesn't make me feel safe. You see random people wandering around the dorms at night, and you have no idea who they are or what they are up to. It's kinda scary! It just seems that all they're good at is giving people tickets for stupid things. I feel strongly about the issue that if you know someone on Campus Safety, you can get away with a lot more or get fines taken away. That's not right. I guess they should just concentrate on doing the safety part of their job better."

However, not everyone has these opinions of Campus Safety. Some people had good things to say, and even better stories to put them in good light.



One student said this about Campus Safety's response time:

"One time, I was really sick in the middle of the night, and didn't know what to do. I called the emergency Campus Safety line, and they were there extremely fast--I'd say within five minutes. They stayed with me, took down all of my information, and got me in an ambulance to go to the emergency room. It turns out that it wasn't that serious, but I just think that in a situation where it could be more dangerous, Campus Safety would be there."

Another student reports about her call for assistance:

"One night, my boyfriend and I went out to a party and then came back to my room. We started getting into a serious fight and I just wanted him to leave. We were both pretty drunk, and I started threatening him that if he didn't leave, I would call Campus Safety. He wouldn't leave, so I did call and explained my situation.

"Within about one minute they arrived. They handled things, really cool, too. We were both drunk, underage, and they didn't really ask any questions. They just escorted him out, and that was that. They could have been real tough on us, but I think they understood it was just a stupid fight we were in. It was also cool about how fast they showed up. I know if I were ever in a real trouble with someone, they would be there fast."

One female student gives this story about how helpful Campus Safety was:

"My friend borrowed my car one time, and parked it in the circle. However, she had my keys and was nowhere to be found, and I couldn't find my other set. When I went to Campus Safety at 3:00 in the morning to tell them that I couldn't move my car

from the circle because I couldn't find my keys, they were understanding.

However, while I was there, I happened to find my keys. They told me to move my car, and to call them when I got to my dorm to let them know I got in ok."

Many students have differing opinions as far as parties go, but this off campus student had an interesting opinion:

"I feel as though Campus Safety has every right to break up a party. You never really see them around much, and the most they do is ask you to move the party inside or turn the music down or move cars."

"I mean, they could be real hostile about it and break everything up at the very start of every party, but they let us have what fun we can until it gets too late or out of hand. I would much rather have them around to help than to not be there when someone is getting beat up or something. I mean, come on - they know we are adults, and they're not out to spoil our good time. They're just there to watch over things."

As it appears, most students don't have an opinion until something happens directly to them or to a friend. I'm not here to tell you whether Campus Safety is adequate or not, just to tell you some of the stories other students have told me. It is now up to you to take this information further, find out for yourselves, and learn to accept Campus Safety for what they are.

by Kathy Whitcomb

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During the month of March 1997 Campus Safety responded to 1,467 service calls in the RIT community, which resulted in 445 incident reports being filed by the Campus Safety officers. Among the many services pro-

Escorts 24
Lockouts(office, apt., etc.) 49
Motorist assists 290
Motor vehicle accidents 11
Noise complaints 49

vided were:

In accordance with the Student Right-to-Know Act, RIT provides statistics for crimes reported to Campus Safety or to local law enforcement. The statistics below reflect those incidents reported during March 1997.

| Murder & Manslaughter     | 0  |
|---------------------------|----|
| Forcible Rape             | 0  |
| Nonforcible Sex Offenses  | 1  |
| Robbery                   | 0  |
| Aggravated Assault        | 0  |
| Burglary - A              | 0  |
| Larceny(Grand & Petit)    | 11 |
| Motor Vehicle Theft       | 0  |
| Vandalism                 | 7  |
| Disorderly Conduct        | 1  |
| Other Assaults/Harassment | 14 |
|                           |    |

The Department of Campus Safety provides a variety of security services and prevention programs to the campus community. Although each individual is ultimately responsible for his or her own personal safety, learning and practicing basic precautions could enhance one's well being. If you're interested in more information on the programs and services provided by the Campus Safety Department, please contact Russ Tripoli at 475-7799/6654-TTY.

#### OPENED

After about two years of construction and many more in designing and planning, RIT's newest addition to the halls of academia will finally be officially opened on Friday, May 9. The Center for Integrated and Manufacturing Studies will have a ribbon cutting at 2 pm by a few invitation-only guests. The prestigious guests will include federal and state lawmakers, who will be honored for their twenty-two million dollar funding of the 157,000 square foot facility. Eastman Kodak, as well as many other major manufacturing firms will also be present. Eastman Kodak Company was one of the first to support the founding of CIMS.

There will be presentations by several dignitaries, such as Rep. Louise Slaughter (D-NY), who was helpful in obtaining federal support, and Matthew Coffey, President and Chief Officer of the National Tooling and Machining Association. Other elite persons presenting include: Jerry Jasinowski, President of the National Association of Manufacturers and author of Making it in America, Proven Paths to Success from 50 Top Companies; Charles Gargano, chair and commissioner of the New York Empire State Development Corporation; and Kevin Carr, director of the National Manufacturing Extension Partnership Program.

"CIMS was created to assist small- to medium-sized manufacturers become more productive and increase their competitiveness in the global marketplace. CIMS is a collaborative effort that utilizes faculty and students from throughout the campus," states the press release.

The actual dedication ribbon cutting will be done by a robot that competed in the U.S. First Competition, an elite engineering robotics competition. The robot, named TigerBolt, is the result of a joint project between RIT's College of Engineering, Edison Tech High School and the Harris Corporation.

by Kevin Bernadt

#### PATRICK SCANLON NAMED CHAIR OF HUMANITIES AT RIT

Students of Patrick Scanlon know him by his sly wit, his hard-line focus on grammar, and, of course, his fishing stories. Now, they can know him as the chairperson of the Division of Humanities in the College of Liberal Arts as of July 1.

"Pat Scanlon has distinguished himself as a highly effective and innovative teacher, as a creative and productive scholar, and as a significant member of his profession and of RIT," says Liberal Arts Dean William Daniels. "We are indeed fortunate to have him on our administrative team."

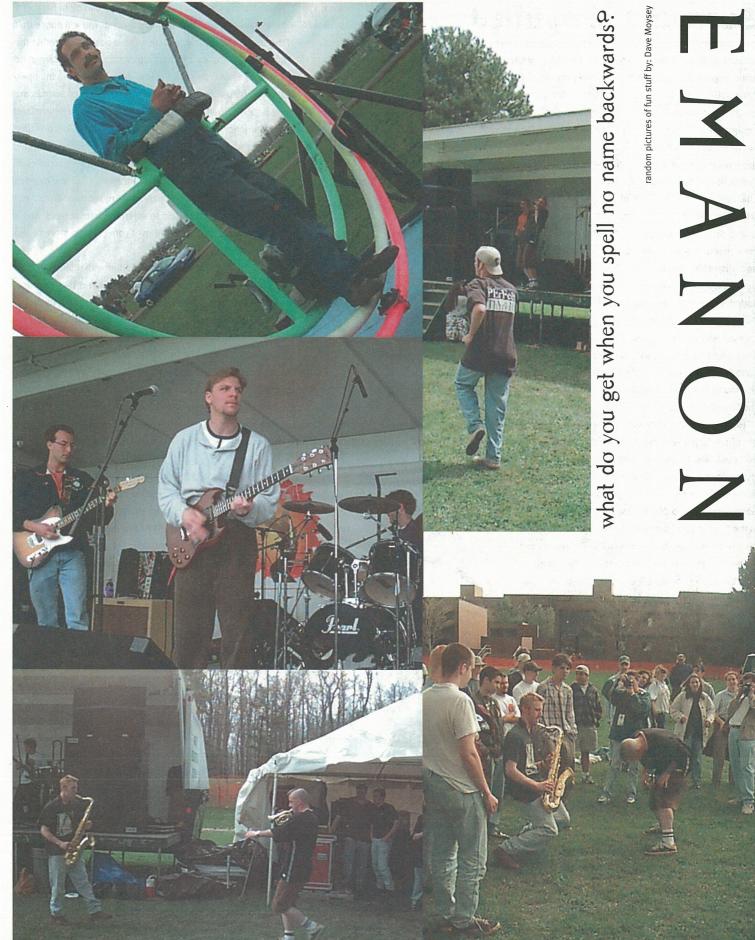
Scanlon joined RIT in 1988 as a writing specialist and an assistant professor of language, literature, and communication. Prior to his arrival at RIT, he served as assistant director of publications and coordinator of health professions at the University of Rochester, and technical advisor and medical writer at Bausch & Lomb.

With his experience in letters, Scanlon also carries an admirable collection of letters. He holds a B.A. in English education and an M.A. in English from SUNY Albany, and an M.A. and Ph.D. in English from the U of R. Recent accolades include the 1995 Applied Scholarship Award from the College of Liberal Arts Advisory Board for his teaching and research excellence, and in 1994 an article Scanlon wrote with a colleague won the Outstanding Article award from the professional journal Technical Communication.

"This is an exciting time for our division and college, particularly with curriculum review and revision. I'm honored that my colleagues have chosen me to lead the division now, when we have so much important work ahead of us," says Scanlon.

Scanlon has two children and resides in Rush with his wife Joanne, who works for a non-profit organization that helps brain-damaged people pursue normal lives. He will take over the position on July 1, when Professor Joseph Nassar steps down to resume his teaching career.

what do you get when you spell no name backwards?



#### Surround Simplified

difficult to disagree with this statement from Corey Greenburg of Audio magplastic box, misleadingly called a "subwoofer." Furthermore, all this equipment is driven by audio signals generated by a sound coprocessor or card in the electromagnetically interfering environment of a computer. The latest developments in the audio world involve discrete multichannel sound in the form of Dolby Digital or DTS, both involving an array of surround sound speakers. So where does this leave computer users with their plastic speakers and distorted audio signals? Most users don't have the room to set up a surround sound system for their computers, but this doesn't mean they are limited to plain twochannel stereo. To enhance the experience of games and multimedia software, the following 3-D sound technologies have been developed to enhance the sound from just a single pair of speakers: QSound and the Sound Retrieval System (SRS).

ble of creating a soundstage in which sounds are directed toward three gen-quality of the source, so a stereo signal will offer better enhancement than a mono sigeral positions: left, center, and right. The location of sounds depend on how nal. the various sound tracks are mixed and balanced across the soundstage. While this effectively allows the listener to localize sounds in several positions, there are two drawbacks: First, the listener is forced to be in the "sweet spot" between the two speakers, where the stereo effect can be experienced. Secondly, the stereo image is two dimensional, or flat. Most direct radiating speakers are not capable of producing a sense of depth when its comes to the soundstage (in this case, see bipolar speakers). This is a critical element in the reproduction of sound. For example, when you listen to a live orchestra, most of the sound you hear emanates directly from the instruments. However, your ears also pick up reflected sound in the form of reflections and reverberations, resulting in a three dimensional soundfield. Though surround sound systems such as Dolby Pro Logic are capable of recreating this effect, they are usual-

ly not an option for computer users.

This is where QSound and SRS come in. These 3-D sound encoding / decod- can only be experienced by purchasing software that has been processed with QSound. ing technologies process sound to create a soundstage in which listeners are Fortunately, this preprocessing means you don't have to buy any extra equipment to able to perceive depth. Basically, they create a type of surround sound with- enjoy the benefits of 3-D sound. QSound is an innovative technology that greatly out surround speakers. In order to understand how QSound and SRS work, it enhances the listening experience. Hopefully, more software developers will begin to is necessary to know how we perceive direction in sound. Binaural research incorporate QSound into their products. has identified the Head Related Transfer Functions (HRTFs), which are responrelative arrival times all differ depending on the sound's location relative to technical information on the Sound Retrieval System.

the ears (Maddox, 1995). These factors can be demonstrated by standing in front of a single sound source (a TV for instance) and slowly spinning around. You will notice that "I'm sorry, but when it comes to hi-fi, computer geeks haven't got a clue." It is the frequency response of the sound changes depending on your position, or rather the direction from where the sound enters your ears (other factors such as phase cannot be azine. High quality audio in the world of personal computers generally means measured with your ears, but change nonetheless). So, how does this explain the opertinny sound from plastic speakers and hollow, one-note bass from another ation of 3-D sound? Consider the following: If the frequency response of sounds are partly determined by location, then the location of sounds can be determined by adjusting frequency response (among other factors). This principle allows QSound and SRS to "place" sounds in various locations around your head, simply by changing the characteristics of the sound. However, this does not mean a full 360 degrees around, as with multichannel surround sound. You can

degrees. SRS and OSound differ with respect to their implementation and the surround effect they produce. The Sound Retrieval System requires the use of a decoder to create the 3-D sound effect. NuReality manufactures a series of Vivid 3D SRS processors. Prices range from \$80 for the Vivid 3D Plus, to \$250 for the Vivid 3D Theatre processor. Once connected, the processor will create a 3D soundfield from any mono, stereo or surround encoded audio source. There is no need to purchase new software to take advantage of the How is 3-D sound different from ordinary stereo? Stereo speakers are capa- Vivid 3D's capabilities. Naturally, the effect produced will be determined by the sound

expect the soundfield to extend to 270 degrees, still a

dramatic improvement over conventional stereo's 180

By comparison, all of the processing for QSound occurs at the time of recording (Sunier, 1996), which means there is no need to decode the audio signal. As a result, QSound can be heard through any stereo system, without the need for

processing equipment. As with SRS, the placement of speakers and the listening position are crucial for experiencing the benefits of QSound. Listeners must locate themselves in the center of the two speakers, the sweet spot. If the listener moves off this center axis, the effect goes away. This is usually not a problem since most computer users locate their speakers on either side of the monitor, which in turn acts as a suitable center point.

There are several 3-D sound technologies

available, but SRS and QSound are the most popular and accessible. SRS is a versatile system, capable of enhancing music, movies and video games. The advantage an SRS processor is that it will work with any audio signal, allowing all your software to be enhanced. For those willing to make the initial investment, SRS processors will definitely add a new dimension to any audio system. On the other hand, QSound

More information on QSound is available at www.gsound.ca, where you can also sible for allowing us to determine the direction a sound is coming from. download sound files to experience QSound for yourself. NuReality Factors such as frequency response, relative phase, midrange intensity, and (www.nureality.com) offers extensive information on its products and provides links to by:Venu Keesari

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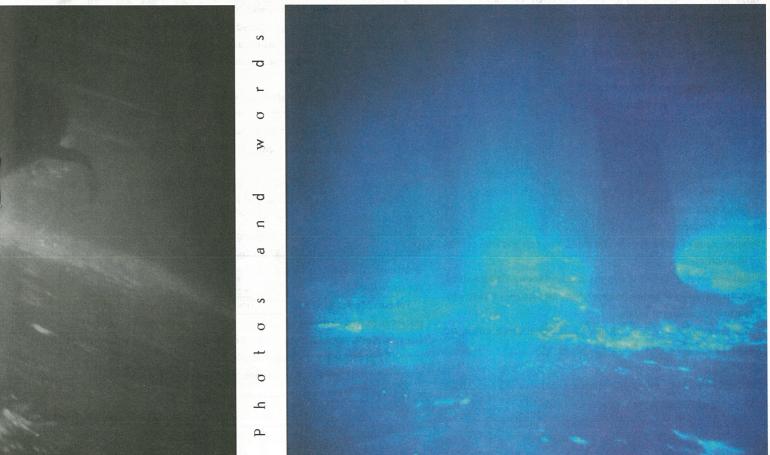
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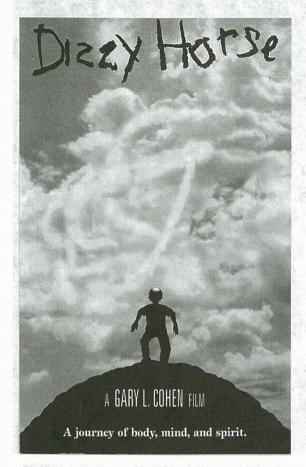




Ζσσ

includes an underground tunnel where visitors can observe the polar bears and porpoises underwater. Even if you don't normally like the zoo, this addition offers an incredible view definitely worth checking out.





#### The Dizzy World We Live In

Gary Cohen managed to make magic happen when folks saw his film *Dizzy Horse*. The film went to 19 Film Festivals and won 8 Awards, including a regional student Academy Award. It was among nine nominees for the best student film in the country.

In the film, a grandfather tells his grandson Dimitri a story about a carousel horse that got dizzy from noticing the world around him. The horse's dream is to get off the carousel and see the world. Before the story is finished, his grandfather has to fly back to Florida. At the same time Dimitri has other problems. His parents are constantly fighting and don't seem to have time for him. He gets in trouble at school because of his imagination and because he isn't like the other kids. The horse and Dmitri find each other, and they realize that they need their freedom from the confines of what society dictates as normal.

Gary Cohen majored in film at RIT and was the writer, director, and executive producer of the movie. The film was shot with a budget of \$30,000, mostly funded through donations. The cast and crew consisted of 60 people.

Cohen feels that the movie was so successful because it appeals to such a wide variety of people and everybody who watches it seems to relate to it in one way or another.

You can get a copy of *Dizzy Horse* for \$19.95 from Gary L. Cohen, P.O. Box 53, Needham Heights, MA, 02194.

By: Billy Markert



#### A Collective Cheer for Breakdown

I can understand all the precautions for a bottle of aspirin, but you'd think that the cages they put the CD's in at the store would be enough. It took me ten minutes just to get all the wrapping and labels off. But once that struggle was over, it turned out to be well worth the effort. Plastic wrapping at my feet, I placed the CD in the player and was treated to some truly refreshing sounds. And those sounds were brought to my ears through the magic of Collective Soul in the form of their third album. *Disciplined Breakdown*.

The style ranges from good solid rock to what I like to think of as a more classical alternative (before everything was either whiny, screamed, or mumbled). Rhythms are simple and straightforward, as are melodies and backups, and the lyrics hit true to life in many ways. It is in its simplicity and honesty that *Breakdown* finds its beauty.

There is a definite story told by the songs of this album. It is a bittersweet story of love lost and regained, but only until reality asserts itself and the truth is seen. The ups and downs of the songs touched many a chord within me; I know I've been through the cycle that's depicted, and the masterful lyrics crafted and performed by Ed Roland make the music (which he also wrote) so much more powerful.

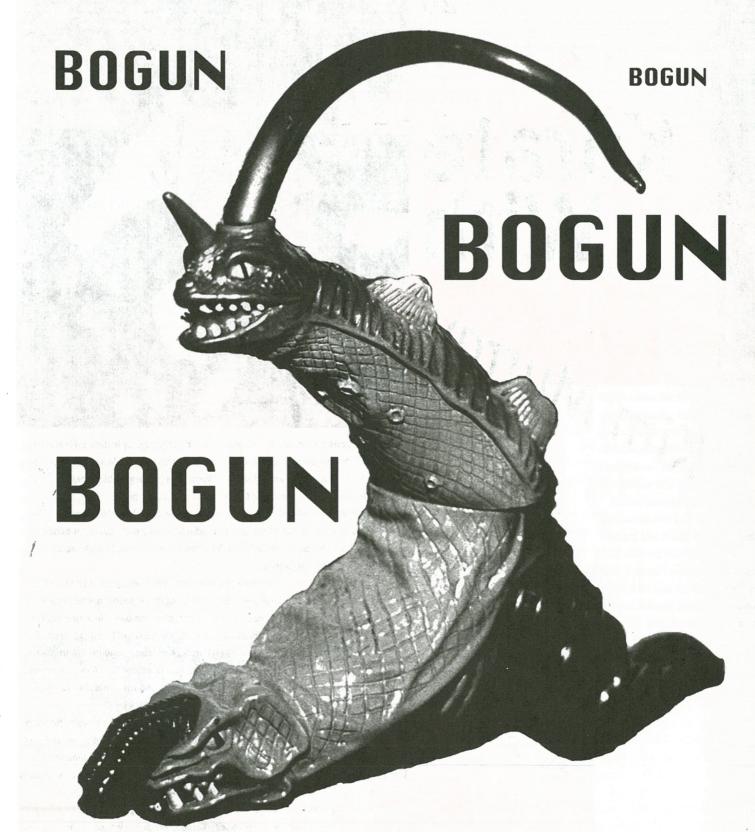
Collective Soul has been in the public eye since Woodstock '94, where they had their chance to perform shortly after their premier release, *Hints, Allegations and Things Left Unsaid*. That album went double platinum in 1996, but was surpassed by their second album, titled simply *Collective Soul*, which went triple platinum that same year.

Looking at the bio of the band, it is clear why the music has the power it does. They've known each other for years and work so well as a unit that even they are frightened by it sometimes.

"There are times we'll all show up to dinner wearing the same shirt," says Will Turpin, the band's bass player. "We're individuals, but we communicate on this weird unspoken level. Musically, it makes for the ideal situation. Our strength is our chemistry."

For fans of good solid music and lyrics that you can relate to, think about, or just listen to (and understand), *Disciplined Breakdown* is a great album for you to invest in. Collective Soul looks like it'll be around for quite some time; perhaps they will make more great albums like this one, perhaps they will make better. No matter what, this one stands out as one of the few CDs that I've heard that rates as a ten out of ten in my book.

BY: Chris Conrov



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## Karate With

Kim Murray



First impressions are not always accurate. Take Kim Murray, for instance. He is a tall, slim man with a groomed mustache. He has a very charming smile and his eyes gleam when he talks. Few people know that Kim Murray is a 7th degree black belt in Isshan Ryu Karate and capable of moving faster than a person can blink.

Murray started learning Karate twenty years ago and has been training ever since. For 15 years he worked with Metropolitan Productions as a body guard for bands. He worked the stage for bands including ZZ Top, Rush, Eric Clapton, Elton John, U2, Genesis, and the Rolling Stones.

"I've only had to use my techniques on occasion. You know, people come to the concert liquored up and some are on drugs. Some of those people are just rowdy. It's not about keeping the people away, it's about protecting the band. In a dangerous situation, you don't want to fight unless you have to. Karate should be a last resort."

As a 7th degree Black-belt in Isshan Ryu Karate, Kim Murray breathes Martial Arts. Aside from teaching at RIT, he also owns his own Karate school (Kim Murray's Karate School), and has participated in many competitions around the world. His son, Kim Murray Junior, manages one of the schools and is also a black belt.

Murray has been teaching Isshan Ryu Karate at RIT since 1987. He began his training with Master Joseph Kennings, who taught at RIT since the early 70's. Murray bought Jenning's Karate school in 1983 when he retired from teaching. Jennings now owns a video training company called Panther Productions. Kim Murray has starred in many of the films for Karate and Self Defense.

As far as competition goes, Kim Murray has won some very impressive titles. He has competed in three different categories: Kobido, which is a weapons competition, Kata, which involves executing a set of predetermined Martial Arts techniques, and Kumite, which is a sparring competition. In 1988, 1992, and 1996 he was the World Kobido Champion. In 1992 and 1994 he was the World Kata Grand Champion. In 1992 and 1996 he was the World Grand Champion for Kumite.

Murray says that there are three aspects of the Martial Arts: physical, mental, and spiritual. The physical aspect includes body toning, kicking, punching, and sparring.

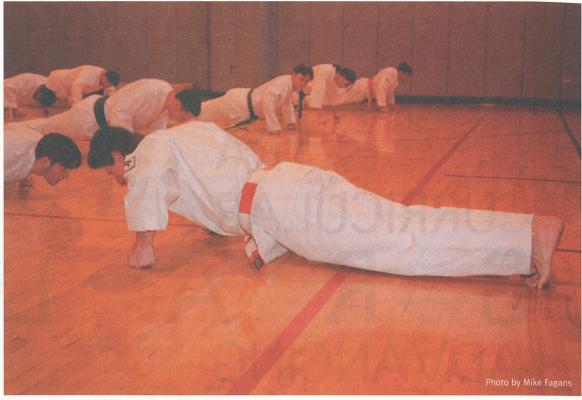
The mental part is the memorization of the techniques in a set series.

The spiritual aspect is not so easily defined, and it took him many years to realize the potential in Martial Arts. "It's a feeling developed over time, of an inner peace. You feel at ease with yourself. The spiritual side is important for dealing with situations, especially when confronted by evil."

Murray says that people see him performing Karate, and they want to learn it because it looks "cool." His advice is "stop thinking about it and do it." The benefits of Karate include physical fitness, feeling better, being healthier, and living longer. For anyone who is interested he says: "To master an art, you have to be committed to one."

On May 17 there will an Isshan Ryu tournament at RIT, as well as seminars. 500 to 700 competitors will be in the tournament. Grand Master Angi Uezu, a 9th degree black-belt, will be at the tournament giving demonstrations of different techniques and participating as a judge. Murray will also be judging at this tournament.

In August, Murray will be taking an eleven man black belt team to



the Okinawa World Tournament in Okinawa, Japan. There will be competitors from over 40 countries. Unfortunately, this will be his last competition. He is retiring from competition after this tournament.

Murray teaches Karate and Self Defense classes on Monday, Tuesday, and Friday. If you've studied a different Martial Art in the past, it doesn't matter. He has people from all over the world who have studied different Martial Arts in the past. It is great for exercise and self defense, so if you are interested, stop thinking about it and do it.

by: Billy Markert



# EXTRA CURRICULAR C R ADVANCING ACTIVITY

So what do we take away with us from this pile of bricks after all the hurly burly is done? Some would definitely point to the parties they have had. Others would offer the old cliché about meeting people and making new friends. Some energetic people would mention sports and teamwork as the most important experience. Some innocent and unsavvy students might offer their newly learned skills and education as the crucial component R.I.T. had provided them with. Still others, of course, would see no point in answering the question. But there is only one reason for being here—grades. All the rest is makebelieve.

The importance of grades becomes even more apparent when one tries to find information on how to improve one's grades. The whole topic is mysteriously avoided, even more than sex. The books in the library speak nothing of this, and teachers speak of everything but this. It is for this reason that I believe this article is indispensable.

The grades students receive are determined by many different factors, so many that it could not even be covered by a BA or MA degree. And, alas, with the whole issue being avoided as it is, there probably won't be any such degrees offered in the near future. It has been said that a grade is more flexible than an acrobat, but it is this point that is the least discussed. Some have estimated that the final grade a student gets on a course is dependent up to 50% on extraneous circumstances. These circumstances are the ones no one alludes to. There is a whole army of such "silent" circumstances that affect the grade. One of them is called "kissing up" to the teacher. While I do want to write about this particular issue, I thought [since we are in the age of calling everything by some camouflage-name (a politically correct way to describe political correctness)] I should call this entire activity — Extracurricular Grade Advancing Activity.

It is important to understand that this term covers an enormous field. It touches on disciplines of psychology, philosophy, economics, chemistry, and many oth-

ers. Some have estimated that there are at least 1,300 different types of teachers to look out for and identify when attempting to advance one's grade. The location of the institution, the weather, the political climate, the size of the class, the hour it is taught, the food the cafeteria serves; all these factors, and others, should be taken into consideration. I will present here only a very general overview, trying just to point out some aspects of this complex topic.

The elementary school days, when one could give the teacher a shiny red apple or offer to carry the teacher's books and folders, are long gone. This is college, and so things are somewhat more complicated. The action begins on the first day of classes. It is both surprising and disappointing how many students don't understand the importance of the first day of classes. The hopeless cases avoid this day altogether, thinking it is a free day.

Aside from the usual excitement of recognizing familiar faces in the class, the grade-advancing student will devote his/her undivided attention to analyzing and assessing the new teacher. It is in the teacher's first introductory chat that priceless information is presented. In these crucial moments it is possible to determine how the entire quarter will look like.

We can find out, for instance, if the teacher is gullible or shrewd, friendly or unfriendly, shy or outgoing, feminist or chauvinist, modest or pretentious, qualified or timid, left-handed or right-handed. The talented student is able to decipher on the first day if she/he will have to be friendly to the teacher or not, if there will be much call for joke-making, and many other grade affecting concerns. That is also why students that engage in add/drop activity are desperately on the wrong track, unless they are doing so in response to their first day conclusions about the course and the grade they can get.

After that stressful first day it is possible to contemplate the "quarter strategy" for achieving the desired grade. Those who aim for anything less than an "A" are again desperately on the wrong track. Of course this strategy is only a general one, and will be modified during the entire course. The real experts say that even after the "A" grade is given, it is still necessary to close some loose ends with the teacher.

One of the most crucial factors in planning a strategy is determining the level of friendship desired with the teacher. It is really much more difficult than one might suspect. One thing to be determined is how friendly the teacher is. An extremely friendly teacher is somewhat a double-edged-sword. While it may be

easy for you to become friends with the teacher, it is also easy for any other student, and thus your personal distinction is lost. Always a favored trick in these circumstances is the "after class question." To test the teacher's responsiveness, one might try a general question related to the course. This is almost always harmless.

If the teacher is eager for discussion, it is possible to elevate the questions a notch, and ask about topics beyond the course material. But these questions should be prudently thought out: "out of curriculum" questions are very tricky. One wrong question and you risk losing your entire reputation with the teacher. For instance, it is almost never recommended to ask a teacher a personal question such as "Where are you from?" without proper preparation; teachers usually see right through that. It is better to work the question into the conversation as a side comment, such as, "Yah, but not many people know how bad N.Y. taxes are," to which the teacher will respond something like: "Oh, I know, believe me." It is then safe to ask: "Oh, are you from N.Y.?"

But all this is just the beginning for some major "student-teacher bonding." The first rule to remember is—find a common denominator at any cost. One little trick is the "what a coincidence" reply. For instance, even if the teacher says he/she is from the south pole, the student replies: "What a coincidence, so am I (or so is my mom or cat)." It is very easy to take it from there. I heard of one student that used to smoke with his teacher during the break, even though he was allergic to cigarette smoke. One student pretended to be Jewish, learning frantically about various Jewish traditions. Another student pretended to actually watch "Melrose Place." Some very talented students are invited to the teacher's home or even date the teacher's kid—but this should be attempted only by the experts.

If the test results are looking pretty grim during the quarter, some emergency measures are called for. As before, these measures must be matched with the teacher's character. One measure that can be applied to a friendly teacher is "the accidental accident." When the teacher is entering a building, an accidental bump is staged with the student. The student should also drop a book, spill coffee on him/herself, or pretend to have gotten hurt. The talent with which the student carries on the ensuing conversation can really help the final grade.

But some teachers are not so easily manipulated. Appealing to a teacher's sense of pity is sometimes more productive. Simulating a physical injury guarantees results, but sometimes requires much work. A fake cast, for instance, should be used only in extreme cases; crutches and a sprained ankle are a better option. One person went as far as saying she had terminal cancer. Surprisingly enough, she really was diagnosed a year later with leukemia, so be careful with the stories you make up!

If you notice that the teacher has a soft spot for the weak and feeble, it might be useful to affect some learning disability. But bear in mind that there is no turning back—once you pretend to be dumb, you must remain dumb. One student pretended to be dyslexic in order to win the teacher's sympathy. He received an "A" as his final grade. Another pretended to be deaf, and complained to the teacher that she failed the test because the note-taker was awful; the note-taker was replaced and the student received an "A" in that course.

It is also possible to present yourself as responsible and mature. A story about a dysfunctional home, or mentioning that you have an alcoholic parent, and that everybody is counting on you in the family, is very useful. But be careful, this requires extraordinary talent to pull off. Finally, there are those teachers that seem impenetrable, but I am believe that every teacher has a soft spot. It is just a question of finding it and winning the teacher's devotion.

The employment of humor is another big issue to consider. First of all, it is

imperative that students know when and how to laugh at teacher's jokes. But more importantly, the student has to correctly assess what level of humor is most beneficial for the final grade. For instance, some teachers seem to love humor in their classes. A novice student might misinterpret this and make forward jokes that result in the labeling of her/him by the teacher as problematic or even dangerous. Sex jokes should be handled with extreme caution. Jokes making fun of political correctness are undertaken at your own peril—it is a real mine field! Also, some teachers like to demonstrate their liberalism by being a little self-effacing and by making self-deprecating jokes. No matter what, never attempt to make fun of the teacher in front of the class, it is too risky.

Publicly questioning a teacher's competence is another pitfall to be avoided. As far as a student should be concerned, what the teacher says is always right. If you are positive the teacher is wrong, and you must correct him/her, do it as an "after class question."

There are many more factors, considerations, techniques, and methods that could be discussed in a lengthier paper. It is obvious that those who really care about their grades do take this matter seriously. It can be argued that the academic level of an institution can be measured solely on the degree in which students take part in extracurricular grade-advancing activity. It shows real interest and maturity from the students' side towards achieving high grades. Those that rely only on the system being objective to them, and so only study for tests and hand in papers, are hopelessly doomed to fail (or at least must work much harder than other students). Obviously extracurricular grade-advancing activity includes the whole realm of test cheating and paper cheating. There are truly endless little tricks to discuss, from the passing of an eraser with the answer on it to great new sites on the Internet to get already written papers. But that is for a whole other paper. Lastly, I can only give one little tip—when talking to a teacher, whether in class or privately, avoid using the word "like"—it is, like, looked down upon.

Keep up the extracurricular activity and good luck with your grades !!!

by: Yigal Gelb



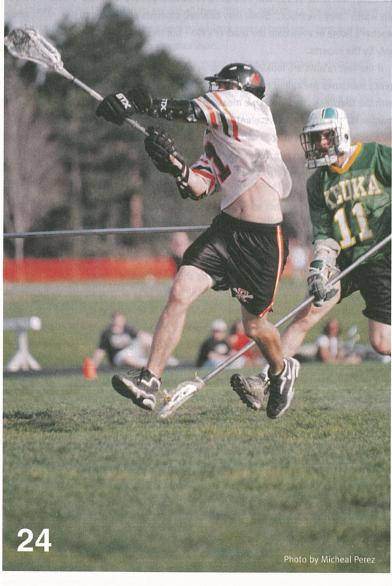
## Crew

With an outstanding showing last weekend at Pittsfield, MA, the RIT Crew travels this week to Rome, NY to race in the New York State Championships. This will be a grueling competition as RIT battles powerhouse colleges such as Hobart, William Smith, Ithaca, and Skidmore. Cross-town rival University of Rochester will also attend this prestigious competition.

"Our goal," states Chris Lynch, a member of Crew, "is to put at least three boats into gold." Any varsity boats that finish 1st or 2nd at the State Championships will then journey to Atlanta, GA for the Champion International Collegiate Regatta at Lake Lanier the following weekend.

If RIT makes it to the lake that was used for the last Olympic Games, it will be the first time the institution will compete in an international-level sports event.

by Greg Hill



## STATS

#### Men's Lacrosse 1997

7-5 overall. (ranked 8th in the Nation in NCAA Division III)

#### Men's Hockey 1997

21-7-2 overall. Steve Toll, from St. Catherine's, Ontario, broke RIT scoring record with 39 goals in one season. Toll's 9-3-3 overall. 185 career points rank eighth in the Tiger's history.

#### Women's Hockey

13-4-1 overall.

#### Wrestling

Finished 13th in NCAA Division III. 167 pound Matt Hamill, from Loveland, Ohio, had a record-setting 33-o season. He won the Tigers 2nd individual national title.

#### Women's Soccer

6-8-1 overall. As goalie, Junior Allison St. Amand was 6-6-1, allowing 1.59 goals per game, and stopping .84 percent of all shots.

#### Men's Soccer

#### Volleyball

15-19 overall. Placed 5th in NCAA Regional Tournament, and 5th in the NYSWCAA.

#### Women's swimming

2-7 overall. Placed 14th in NYSWCAA Championship. The women scored 140 points, bettering their showing by two places over last year's meet.



#### Men's swimming

4-3 overall. Placed 6th in Upper New York State Swimming Championship. The Finmen tallied 570 points in a field of 15 teams.

#### Men's Basketball

24-4 overall. Craig Jones, from Webster NY, finished his career with 1,984 points and 1,065 rebounds.

#### Women's Basketball

1-20 overall. The team's win was 55-45 over Fredionia.

#### Baseball

18-14 overall.

#### Men's Tennis

3-6 overall.

#### Women's Tennis

7-4 overall.

#### Women's Track

Placed 14th in indoor NYSWCAA's, where Kristy Drew was 8th in the 20pound weight throw, and Kristen Rice was 9th in the 55-meter hurdles.

#### Men's Track

Placed 2nd in the Collegiate Track Conference Championship at Southern Connecticut State.

#### Softball

18-16 (.529 overall) Women's Softball reached the State Championships.

#### Volleyball

15-19 overall.

by Ben Garvin





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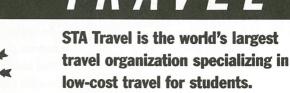
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## ZERO CI AND A SCIENTIFIC ADVENTURE

At exactly 4:37 PM on the 18th day of October, a mass email hit the Imaging and Photo Tech students of RIT. A chance of a lifetime was in store for four lucky students who chose to make it happen. NASA was sponsoring a competition for groups of undergraduate students to design a project that would be tested aboard the KC-135a.

Now, for those who might not know, this jazzed-up Boeing 707 is one of three aircraft in the world that can simulate a three-

dimensional "weightless" testing environment. Termed the "Vomit Comet" by the locals at NASA Johnson Space Center, it would prove to be quite an experience. There was one catch, and professor Davidhazy's email said it best: "Most of the project would be NASA supported as far as I can tell. There is a slight problem: I don't have a project ready to go yet. The deadline to submit a letter of intent: 2 hours from NOW!" With odds like that, it was no surprise to find a whopping three replies. Of those three students, only two of them managed to reveal their identity. A scholarly sophomore, Keith Krause, and a young chap by the

The letter of intent was short but sweet and apparently satisfied NASA for the moment. In the period of about four weeks, time rushed by in a blur. The third member, Sam Hill, made his way onto the team. NASA was thirsty for a real proposal, and the team had only a few weeks to develop a solid project. On top of that, they were still searching for a fourth person. As brain-

name of Jason Babcock made their way over to tech

alley to meet with Mr. Davidhazy. A plan was sure to

formulate.

storming progressed, it didn't take long for the subject of high-speed photography to register in the minds of these Imaging and Photo Tech students. During late hours of the evening, the group and Davidhazy sat on the rusty couches of tech alley to discuss popping water balloons in zero gravity.

The final outcome was a catchy proposal labeled "Liquid Distribution in a Weightless Environment." Their goal was to film water balloons bursting in zero gravity at an amazing 2,000 frames per second. At the very last moment, a senior in the department happened to stop by. Within minutes her driver's license lay face down on the glass bed of a Xerox machine. Heather Penk, against the logistics of her senior schedule, was member number four. On November 22nd, with fingers tightly crossed, ten copies of the proposal were sent to the big shots at NASA.

On Friday, December 20th, a message was sent from Bruke Fort, informing Davidhazy that RIT's proposal had been accepted among 24 other teams from all over the US. Although very excited, the team had a whole new list of requirements and deadlines that would determine their chances of flying. As expected, Heather Penk was unable to remain a team member because of her heavy work schedule with Kodak. Once again, the group was forced to find a new team member. Word had gotten around by now and several female tech students showed interest in taking this position. After a random selection process, the cheerful smile of Crystal Embrey soon completed RIT's first zero gravity team. From then on it was a race against deadlines.

As the weeks progressed, each member had to undergo USAF class III physicals required by NASA before anyone could set foot on the KC-135. On top of this, the team worked around the clock developing and building a contraption that could pop a water balloon in zero gravity. After several weeks of developing a nameless "box," Jason came up with an acronym to describe the project. With a few hearty laughs, the EBM, or Enclosed Balloon Mechanism, was born.

On Saturday, April 5th, Jason, Sam, Crystal, and Keith slapped on their camera straps and grabbed a monstrous pile of baggage that would last them for two weeks in Houston.

They had made it, and the wake of the Vomit Comet was visible in the distance. As Crystal's 1989 red Mitsubishi Galant sat in the parking lot of NRH, they loaded half of RIT into the trunk of her car. Room was minimal and the trip would be interesting. To save money, the plan was to commute to Pittsburgh, fly to Dallas, and meet up with grandma Blakely.

The drive to Pittsburgh lasted approximately four and a half hours with Jason "acting like some kinda DJ and Sam driving like a maniac." After an "intriguing visit filled with tasty southern food," Jason's grandma drove the team to Houston, where they would spend their next two weeks learning what NASA and zero gravity were really about.

April 7th, day one at NASA, began at 6 am. The team packed the car with their experiment and drove to Ellington Field. Davidhazy pulled into a small parking lot that overlooked hangar 990. This would serve as the universal workstation during their stay at NASA. Crystal writes about her first encounter with the hangar: "All the other students were assembling their projects. There were many schools like Perdue, Texas A&M, Rice, University of Maryland, and University of Michigan. The KC-135 was a spectacular sight. There was a short introduction and then a tour of the plane."

Day two entailed several hours of lecture on physiological training. All the teams were shuttled over to a

large classroom at Johnson Space Center. The lecture began at 8 am and ended at 3 pm, with an hour break for lunch. These guys were getting a taste of astronaut training. NASA was taking every precaution to make sure the students could handle an emergency in a high altitude situation. After the lecture, Mark Sowa, an RIT photo tech grad, gave the students a behind-the-scenes look at NASA's photo lab and other imaging research areas.

Day three was devoted to hypoxia demonstrations in the chamber flight. For those who are unfamiliar with the term, hypoxia means lack of oxygen. At altitudes 10,000 feet or greater, oxygen becomes partial and we need supplementary oxygen in order to breathe. Basically, NASA was going to let these students observe the signs of hypoxia in a pressurized flight chamber which simulates high altitudes. Once the masks were issued, the students stepped into the chamber and connected their hoses. The first fifteen minutes was devoted to "pre-breathing" of 100% pure oxygen. Basically, this prevents nitrogen bubbles from building up in the system and causing the "bends." At a simulated 25,000 feet above sea level, the director told the team to drop their masks. Jason Babcock recalls his experience: "After the first two minutes things seem quite normal. Then as the third minute rolled around, all the color began to loose its saturation and everything turned gray. At minute four, the lips and fingertips turn a deep blue and you begin to experience euphoria. Finally, at minute five I had no control over my motor skills. Movement was slow and the next thing I know my oxygen mask was back on." After the chamber flight, the students went back to the briefing room to take a written exam. This was the final stage in the physiological certification.

Day four, the Test Readiness Review was scheduled in the morning. The pilots and a few engineers from NASA checked over the equipment to make sure RIT's enclosed balloon mechanism was safe to fly. There was a description of how it worked and discussion as to what precautions would be used during the flight. The EBM passed with flying colors. Closing on 9 o'clock, Mr. Davidhazy took his packed bags, said goodbye, and left for the airport. It would be up to the

excitement among this team. RIT's first group would fly the next day.

Wednesday, April 16 would prove to be one of the most exciting days of the trip. The first half of the team, Sam Hill and Keith Krause, were preparing to fly. The experiment was ready and they were in their flight suits. Crystal writes, "We watched them take off and waited for them to return. As Sam and Keith got off the plane, we knew something had gone wrong. They didn't look too happy. Zero G had presented problems that we couldn't begin to imagine." They managed to film only one of the five balloons on that flight. Keith had one comment as he held the white vomit bag in hand, "It was interesting, very interesting." Yet, among all the experimental chaos, both members managed to enjoy the thrill of weightlessness. Sam even managed a few flips here and there.

It was up to Crystal and Jason to learn from the first flight and finish the job. There was work to be done. By taking in account the problems that Sam and Keith had encountered, the second group cut their steps in half. New modifications to the in-flight procedures were made. The team drilled the plan for several hours the night before. They were ready.

Thursday, April 17, at 9 am, Crystal and Jason boarded the aircraft for the last opportunity to complete the experiment. There was pressure on these two, and the warm green flight suits didn't make things any easier. The plane took off and everyone hoped for the best. Apparently all the modifications paid off. Team two had successfully filmed three balloons bursting in zero gravity. "Liquid is a beautiful sight when it doesn't have to compete with gravity," said Jason Babcock. Somehow, between the concentration of performing the experiment, both members found time to goof around in Zero G. Toward the last fifteen minutes of the flight, Jason enjoyed the taste of a little white barf bag while Crystal played Superwoman in the background. They don't call it the Vomit Comet for nothing!

by Jason Babcock

students to call the shots from there.

April 15, the crew was at the hangar early and final preparations for the EBM were made. Each experiment was carefully weighed and then loaded on to the KC-135a. There was much

Congratulations EH on the US First project. You are all to be commended on your outstanding hard work and dedication. And congratulations to the new Engineering House Board: President; Nate Brimmer, Vice President; Eugene Novak, Secretary; Renard Paulin, Treasurer; Karie Henning, and the rest of the new Cabinet. Good luck for next year!

- Mariah, ASA loves you!!!!
- •Mel Please don't leave me next year! What would I do with out you & our late night smokes?!
- •Bring us your tired and huddled masses, and we will make them strong! Rock climbing at the Red Barn Mon, Wed, Fri 7 9 PM. Sign Climbing Monday 5 - 7 PM. Open to all RIT students, faculty and staff.
- •Keri, Suzette, Tina, Sarah, YoYo, Chip, Julie & Rachel: You guys are the best family ever! Xi love Steph
- •YoYo It's been a long time in coming but... Congratulations, your the BEST! Thank you and welcome to the fam! Xi love YLS
- •My Dearest Queen of Everything: I miss you already. So little time and so much hair letting down to do! Let the fun Begin! Hugs Kisses and Brandani's - The Princess of Quit Allot
- •Sarah You are the best little ever and I know you will be a great asset to our sisterhood. Xi love YBS Steph
- •Cluster Queen, we're almost there! Thanks for always being there, Love, Cluster Princess

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#### **Schedule of Events:**

#### Friday, May 9

**Talisman Movie:** *The People vs. Larry Flynt*; 7 & 9:45pm in Ingle Aud. RIT students/faulty/staff: \$2, Gen Public: \$3, children under 12: \$1.

Emerging Artist Concert Series: *Rhythm & Brass*, classical and jazz, 8pm in the Ingle Aud.; RIT students \$4, faculty/staff/off-campus students \$8, Gen. Pub. \$12 call 475-2586 to order by phone on Visa or MC.

#### Saturday, May 10

**Talisman Movie:** 7 & 9:45pm in Ingle Aud. Closed captioned 7pm only. See above for details.

**Tri County Special Olympics:** Events to be held in Clark Gym, the Weight Rm., Wrestling Rm. and other locations. Call x5666 for more information.

**Alumni Awards Banquet:** Special honors presented to alumni of all colleges, reception at 6pm, dinner and presentations at 7pm in CIMS Rm. 2240. Call 475-2586 for more information.

**Hillside Spring Cleanup:** The annual volunteer event at the Hillside Children's Center. Transportation and interpreter provided. Call x7058 for more information or to volunteer.

**RIT Gospel Ensemble:** the Emsemble's Anniversary Concert. Concert and reception from 7:30pm-12am in the Skalny Rm. Call 424-8030 for more information and reservations.

**Rollerblade to Geneseo:** Phi Kappa Psi sponsors a fund raiser for Cystic Fibrosis, a rollerblade or bike trek to Geneseo. Call 424-8333 for more information.

#### Monday, May 12

**Student Development Educators Program:** Thomas Russell presents "Hey, What Are Your Plans for the Summer?"; 4-5pm in Tower A Lounge. Call x6200 for more information.

#### **Schedule of Events:**

#### Wednesday, May 14

**Wallace Library Course:** "Image Preparation for Web Pages"; 10-noon in the 2nd floor VAX area. For more information go to:

http://wally.rit.edu/depts/ref/instruction/asctrainfull.html

**Student Development Educators Program:** *Chris Majeri* presents "*Relieve Your Stress!!*"; 4-5pm in Ellingson Penthouse. Call x6200 for more information.

#### Friday, May 16

**Senior Night:** The last day of classes and a celebration for those about to graduate. Giveaways, games, music and more. Class the CAB office at 475-2509 for more information.

#### **On-Going Events**

WITR Coffee Hour: Wednesdays from 7:30-9 am come down to WITR for FREE coffee and doughnuts. Meet the morning DJs and listen to your favorite modern music. From 89-7 WITR Modern Music & More.

Wallace Library Course: Product of the Week Series; Every Tuesday at 1pm in the 1st floor Reference Area, registration required. For more information go to: http://wally.rit.edu/depts/ref/instruction/asctrainfull.html

**German Club Stammtisch:** Practice German conversation skills during a weekly stammtisch. Wednesdays from 12-1pm in the SAU cafeteria.

To publicize your event to the entire campus, send the name, date, location, time, contact person, phone number, and any other pertinent information to CalendaRIT, Center for Campus Life, SAU, Room 2130, by 4:30 p.m. fourteen working days before the issue in which you would like it published.

Events subject to change.

## Congradulations

## Arthur Stamos • president VVKIA • Perez

• Vice President Jessica Sparrin

• College of Science Senator

#### **Admendments**

Student Government is amending to its by laws related to the following topics:

Revision of election procedures

Eligibility of Senate/Cabinet positions

Filling of Vacancies in the Executive Branch

Election of the Senate President ProTempore

Compensation of Senate and Cabinet members

Omission of references to obsolete organizations, cabinet positions/committees

These will be voted on at the SG meeting on 5.13.97 Interested students are welcome to stop by the SG office and obtain copies or call x2203 (v/tty)