Date rape or acquaintance rape, defined as forced sexual intercourse by an assailant known to the victim, has received a tremendous amount of media coverage within the last year. Most of the publicity has focused primarily on college students because acquaintance rape targets women of dating age (15 to 25 years old). In light of this fact, campus administrators across the country have organized groups to combat the problem.

The Georgia Tech Rape Task Force was recently established to help prevent these problems by educating male and female students about rape victims, attackers and the repercussions of committing such a crime. "Many of us on the campus were concerned about the issue of date rape on various campuses being in the news, and we know individually, that Tech has had some of the same problems. We felt we needed to provide some sort of support," says Carol Moore, assistant vice president for Student Affairs and head of the task force. "The establishment of the force is an attempt to make Tech a more hospitable place to all people, in this case women. The President's Office agreed that we needed to proceed with this."

Alarming statistics have resulted from studies performed by various organizations, publications and agencies. Though their numbers vary slightly, all of the studies conclude one thing. The number of reported rapes on college campuses has been on the rise for years and continues to climb, in part, some experts say, because of the messages that are pervasive in our society.

According to Cross & Crescent Magazine, a recent FBI report claims 27.2 percent of all university women have already been raped; 57.8 percent of them by their dates. A recent study by Stanford University revealed that in the past six years, more than 75 documented gang rapes have occurred on college campuses and that 80-90 percent involved fraternity.

President John P. Crecine was recently invited to join a committee of seven university presidents that will organize and direct the efforts of a year-long Congressional-University Colloquium. The colloquium, according to a letter from U.S. Senator Terry Sanford (North Carolina), will examine research and oversight agencies. Though their numbers vary slightly, all of the studies conclude one thing. The number of reported rapes on college campuses has been on the rise for years and continues to climb, in part, some experts say, because of the messages that are pervasive in our society.

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Cleaning Up Coastal Areas Is Civil Engineering Professor's Specialty

By Jackie Nemeth

Waste along rivers, lakes and coastlines has become a major concern over the past several years with the public, media, and environmentalists.

Here at Tech, Dr. Philip J.W. Roberts, associate professor in the School of Civil Engineering, has performed extensive studies that have led to the cleaning up of coastlines and coastal waters in South Africa, Barbados, Rio de Janeiro, San Francisco, Australia, and most recently in the Boston Harbor.

The Boston Harbor clean up involves a nine-mile long outfall tunnel which will discharge treated wastewater far out into Massachusetts Bay, according to Roberts. The outfall terminates in a 6,000-foot long diffuser which efficiently mixes and dispenses the waste-water. As a result of a hydraulic model study of the diffuser conducted by Roberts, $75 million in construction costs were saved and a more effective diffuser was designed. The outfall will begin diluting with seawater and widely dispersed so that contaminant concentrations are reduced to safe levels.

The study of the Boston Harbor outfall was performed at a specialized laboratory of the U.S. Environmental Protection Agency at Research Triangle Park in North Carolina, but as a result of a recent grant from the National Science Foundation, Roberts and his students will now be able to perform similar studies in the hydraulics laboratory in the School of Civil Engineering.

"The grant will enable us to conduct basic research into the fluid mechanics of pollutant mixing and dispersion in various water bodies including estuaries, coastal waters, rivers and lakes. This will enable us to predict environmental impacts much better and lead to improved design of waste disposal systems," Roberts said. "Equipment such as a stratified towing tank, laser doppler anemometer and laser induced fluorescence will be used to study these processes."

"Having this state-of-the-art instrumentation will definitely benefit our students and Georgia Tech," he continued. "Doing this type of work broadens Georgia Tech's name nationally and internationally in civil engineering."

In addition to his travels abroad, Roberts serves as co-chairman of the Marine Waste Disposal Special Group of the International Association on Water Pollution Research and Control. He is also the incoming chairman of the Hydrologic Transport and Dispersion Committee of the American Society of Civil Engineers and associate editor of the Journal of Hydraulic Engineering.

Task Force...

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The task force, made up of 13 male and female students, faculty, staff and administrators, is not intended by its founders to be a counseling group. According to Moore, the group will be a source of education and a body to arm students with enough information to realize the seriousness of the subject. Because the group is only a few months old, their goals are still in the planning stages.

"Date rape is kind of an emerging field. It's been lumped together with stranger rape for so long. We've been in an information gathering mode to get a feel for what the situation is here at Tech," Moore says. "I think by the end of the quarter we'll have some very definitive recommendations."

In addition to the task force's efforts, students have slowly increased their efforts to educate each other about safety and responsible social behavior. Individual organizations and residence hall leaders have invited experts to lead group discussions about the crime.

"I see a strong need for it here at Tech," says Pamela Rosser, an industrial engineering student who worked part-time at the Rape Crisis Center at Grady Hospital. "The girls take the advice lightly. They just don't think someone they know will do that. Most people think they aren't going to put themselves in that situation."

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Karlovitz To Be Remembered May 17

A service of remembrance will be held for former Dean of COSALs Dr. Les Karlovitz on Thursday, May 17 at 11 a.m. in the Tenenbaum Auditorium (located in the Management/ISyE Complex). Refreshments will be served afterwards.

Karlovitz died April 2 in Seattle, Wash. He was 53 years old.

Research... continued from page 1

engineering students, says Dr. Rolf Sinclair, program director for the National Science Foundation's cross-disciplinary programs in physics.

"We're not getting enough women and minorities into the pipeline," Sinclair adds. "We have to reach out and pull them in."

The NSF sponsors REU programs at universities throughout the U.S., but not all of them target a specific group of students.

Participants in Tech's REU physics program are usually rising seniors at southeastern colleges that do not offer graduate degree opportunities. Graff hopes the summer session allows her students to make an informed decision about graduate school. At the same time, she says, the program provides students with a reasonable summer income—$2,500 for 10 weeks.

During last year's session, Graff remembers, students experienced the full gamut of emotions common to laboratory researchers. Initially, they were "very buffed by the laboratory atmosphere," she says, and most were discouraged by the half-way mark. But positive results at the close of the session made everyone "drunk with power."

"We went through the full cycle, and I hope we can pull that off again this year," Graff says. "We want them to experience the highs, but it's also important to learn that experimental physics is a tough business and you have to work your way through a lot of problems."

Graff shares responsibility for the REU program with four other Tech faculty members: Drs. Kevin O'Donnell, Jim Gole, Raj Roy, and Turgay Uzer. Each faculty member directs two REU students during the summer.

For the past 10 years, Tech has also provided an REU program in the School of Chemistry, directed by Dr. Kent Barefield. By summer last year, Barefield says, 69 students had participated in the program. Of those, 43 went on to graduate school in chemistry, and 18 of 43 selected Tech, he says.

Often guided by Tech's Office of Minority Educational Development, Tech's minority recruitment efforts have apparently paid off. In 1986, Tech placed fifth (just below four predominantly black institutions) among all U.S. engineering schools for the number of black B.S. graduates. During the 1986-87 school year, minority students represented 11 percent of the total student body in science and engineering programs.

But just what is "laser-induced plasma spectroscopy," anyway? "It's an analysis technique," he says. "Basically, we're hitting this metallic-red with a laser, and that creates a plasma. Then the plasma is carried along by a gas, and we can perform spectroscopy (a chemical analysis procedure) on the light emitted from the plasma. We learn about molecules that way!"

Job Hunting?

If you're looking for employment opportunities, call the Job Line in the personnel office—ext. 4-4592.

In addition, he is a member of the American Society for Microbiology, Sigma Xi, the American Society of the Advancement of Science, and the American Oil Chemist Society. Pierotti said that Tornabene will play a special role during the development of the College of Sciences with its planned increased emphasis on the biosciences.

"His [Tornabene's] knowledge of the undergraduate programs and issues in the various schools and departments of the College of Sciences," Pierotti said. "as well as his particular interest and understanding of the issues associated with interdisciplinary research programs in biology, biochemistry, biophysics and biotechnology will make his role in the dean's office particularly valuable."

Students To Participate In Georgia Intracollegiate Games This Weekend

On Saturday, May 19, college students throughout Georgia will come together to compete in the 1990 Georgia Intracollegiate Games. The public is invited to attend and show their support in bringing the 1996 Summer Olympics to Atlanta.

This event is sponsored by the Atlanta Organizing Committee (AOC) and presented by the Georgia Tech Olympic Coalition (GTOC), a group of faculty, staff, students and alumni working to bring the 1996 Summer Olympics to Atlanta.

Opening ceremonies for the day-long event will begin at 9 a.m. According to GTOC Director Michael D. Furman, Olympic gold medalist Antonio McKay is scheduled to sprint into Bobby Dodd Stadium/Grant Field and light the Intracollegiate Games torch.

Following is a list of events and locations for the 1990 Intracollegiate Games: Track (George C. Griffin Track), 3-on-3 Basketball (Student Athletic Complex, Peter's Parking Deck, West Campus courts), Volleyball (SAC, Heisman Gym), Swimming (SAC).

Other events include: Windsurfing (to be held at Lake Lanier), Ultimate Frisbee (SAC fields, Bobby Dodd Stadium/Grant Field), Racquetball (SAC), Singles Tennis (Bill Moore Tennis Center), Bowling (Student Center), Billiards (Student Center), Weightlifting (SAC), Table Tennis (O'Keefe Gym), and Golf (to be played at Bobby Jones Gold Course).

Over 400 gold, silver and bronze Olympic style medals will be awarded in the various events. Closing ceremonies are scheduled for 7 p.m. at Alexander Memorial Coliseum.

For more information about the 1990 Georgia Intracollegiate Games, call Event Chairman Marc Klein at 873-2892 or Furman at 853-9483.
For Sale - 1985 Mercury Lynx Station Wagon. CHEAP Needs some work; 1985 Suzuki GS500 Motorcycle. Also needs work. Even Cheaper! Call Gary at 4-6988 and leave message.

For Sale - 4X4 utility trailer, $90. Very good condition. Presently rigged for jet ski (easily removed). Call Charles at 4-4010 or 457-6511.

For Sale - Schwinn ratan rocker, $75. Call 634-6142 after 6 p.m.

For Sale - 1975 Honda Motorcycle, CB900T. Excellent condition, only 5,000 miles driven. Always garaged, $900. Call Ken Hall at 4-5559 or 261-2542.

For Sale - Pedigree Persian cat, spayed and declawed, free to good home. Call Jeannie at 4-4511.

For Sale - Pontiac Sunbird GT, 2-door, auto; red, excellent condition; $5,800. Call Conner at 4-8999.

For Sale - Wilson Prostaff 2.7 mid-sized tennis racquet. New strings, 4 in. grip, excellent condition, $125. Call Frank at 4-6789 or 948-2192.

For Sale - Two matching white contemporary sofas which lose back cushions. 2 peican end tables w/glass tops. All in excellent condition. Sold separately or as a set. Price negotiable. Call Ms. Fritchett 556-7545 or 424-6852.

Roommate Wanted - Need M/F roommates for 3 BR, 3 BA apt. $225/mo. plus utilities; 2 tennis courts, 2 pools, jacuzzi & weight rm., on Franklin Road in Marietta. Call Ken at 4-8266 or 424-5847 to leave message.

Summer Sublet - 2 BR home of faculty member; will be away July-August. Perfect for couple. W/D, A/C, fenced yard, Inman Park. $490 negotiable. Call Mark at 4-322-6586 to leave message.

For Rent - 2 BR house w/screen & frame. Call Richard at 4-6262 or 386-7102 after 4 p.m.

For Rent - 3 BR, 2 BA brick 2-door, auto; red, excellent condition; $5,800. Call Conner at 4-8999.

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