Plaza Construction
Alters Pedestrian Route

The next phase of demolition associated with the Georgia Tech plaza construction begins Monday, July 3. This will involve the removal of the ramp from the Bookstore area up to the east side of the Student Center along with the removal of the sidewalk and retaining walls adjacent to the ramp. A section of the new ramp will be poured this week and will become the pedestrian route for the next four to six weeks. This new ramp will connect the existing walk at the east end of the site with the existing walk at the east door to the student center. Chain link fencing will be installed around the new ramp as construction will occur on both sides. Weather permitting, the area will reopen permanently by August 1.

The following areas will be affected:

1. Handicap access to the Bookstore will not be on the north side of the building during this period. Access will be at the Frist Drive entrance to the Bookstore mall. The handicap exit will be through the center exit door, located on the register side of the Bookstore.

2. Access to the Printing and Photographic Center in the Bookstore will no longer be through the exterior door at the north side of the building. The temporary access will be through the Bookstore at the connecting door between PCC and the magazine section.

Please direct questions to Gary Pethierick at 894-4146.

Dean of Engineering to Address 700 Futurists

Dr. John A. White, dean of the College of Engineering and director of the Center for Sustainable Technology, will address the World Future Society’s 1995 Conference in Atlanta on July 20.

The conference, entitled “FutureProbe: Imagining Possibilities, Creating Opportunities,” will bring more than 700 scientists, researchers, educators, and business and government leaders to the Atlanta Hilton, July 18-20. The two-and-a-half-day event will focus on topics ranging from science, technology and the environment, to education, families and health. White’s presentation will focus on the future of engineering education.

“Increasing global competition, enhanced productivity of engineers, emerging technology, and changing attitudes regarding science and technology will impact significantly how we educate future generations of engineers,” he said.

White, who has been a member of the Tech faculty since 1975, was recently confirmed by the U.S. Senate for membership on the National Science Board of the National Science Foundation (NSF). Before becoming dean of engineering in 1991, he served for three years as assistant director of the NSF, and served six months as acting deputy director.

In addition to the more than 55 plenary and concurrent sessions at “FutureProbe,” the meeting will feature numerous networking activities, several pre-conference courses on July 17-18, and a forum for professional futurists on July 21.

The World Future Society is a nonprofit scientific and educational association whose 30,000 members and subscribers are interested in exploring social and technological developments in the years ahead.

Fowler Street Closes for Sewer Repairs

Most of Metro Atlanta has been through the busy plaza area with the new roundabout road construction. Georgia Tech is preparing for traffic disruption of its own.

Beginning July 1, 1995, portions of Fowler Street, a major campus entry point and thoroughfare, will be closed. The road will be closed due to repairs to the Orme Street sewer line.

The project calls for the road to be closed at 10th Street and Fourth Street through the summer of 1996. The project will be halted for the Olympics, and resume after the closing of the Games.

The Orme Street sewer, which runs through the campus from North Avenue to 10th Street, has been on the city of Atlanta’s list of needed repairs for many years.

The repairs became crucial when a portion of the line collapsed two years ago, causing a sink hole in the parking lot of the Marriott Courtyard on Techwood Drive.

In order to repair the line, the city of Atlanta will be evacuating Fowler Street in two locations, at Tenth Street in front of Alexander Memorial Coliseum, and at 4th Street near Peters Parking Deck.

Due to the magnitude of the repairs, traffic will be re-routed during the construction period (see diagram). Sidewalks will remain open as much as possible.

The sewer repairs are a city of Atlanta project and are not linked to the 1996 Olympic Games. The project is running concurrently with Tech’s Olympic development because of a delay in federal funding.

College of Computing Encourages Minority Students to Pursue Graduate Studies

by Sheronda Minton
College of Computing

The College of Computing is reaching out to minority students by providing a summer internship tailored to socioeconomically disadvantaged undergraduates from around the country.

The goal of the internship program is to give students a taste of graduate study, in an effort to encourage them to further their education.

Bill Appelbe, an associate professor in the College of Computing, implemented the internship program three years ago, with assistance from Clark Atlanta University.

The Office of Naval Research has provided funding for the project for the last three years. This year’s award was $45,000.

The program is divided into three major phases. First, the participants take two short courses in C and Unix programming. Next, they participate in a series of seminars on “Introduction to Graduate Studies in Computer Science.” In the final phase, each student conducts a research project of his or her choice with the assistance of a faculty member.

Several previous graduates of the internship program have enrolled in graduate school. “After participating in the internship program, I made the decision to attend graduate school,” said Robert Brown, a graduate of the program and current master’s student in the College of Computing. “The program gave me more exposure to the programming environment and to research, which is a priority for Georgia Tech,” he said.

Brown attended undergraduate school at Grambling University, a liberal arts school. “Because Tech is technology oriented, I was exposed to things that Grambling did not offer to computer science majors,” he said. “Not only does Tech have the equipment, but the major focus here is research.”

Dave Houston, a program participant for the second consecutive year, has already been accepted to a graduate program at Auburn University. He plans to conduct research in human computer interaction. “Participating in the internship program at Tech has enabled me to actually work with virtual reality,” she said.

Houston presented a research paper on virtual reality at the 9th National Conference on Undergraduate Research.

“Since the internship program has been beneficial for me,” Houston said, “because it’s preparing me for researching and studying, so attending graduate school will not be such a shock.

“My participation in the program has also opened additional doors for research opportunities.”

The internship is part of an ongoing effort by the College of Computing to reach out to minority students.

There are 11 students participating this year from various historically black colleges and universities (HBCUs) throughout the United States. Participating HBCUS are Lincoln University, Grambling State University, Morehouse College, Spelman College, Clark Atlanta University, Morris Brown and Prairie View A&M University.
Continental Calendar

Faculty/Staff

Library Announcements
The Georgia Tech Library will be closed in recognition of Independence Day.

Women's Therapy Group
Female students meet Wednesday at 5:00 p.m. to discuss concerns, build support and expand choices.

JULY 6
The 5th Annual Aerial Robotics Competition will be held at the track field beginning at 7:00 a.m. for more information call John Toon at 894-6986.

JULY 8
The Georgia Tech Library will be closed in recognition of Independence Day.

JULY 11
SuperTrain Sessions, course, “Introduction to CQL,” 8:30 a.m. - 1:00 p.m., Weber Building. For more information call Denise Daniels at 894-1146.

JULY 12
APC Food Bank, 6:00-8:30 p.m. faculty/staff volunteers are needed. Contact Candy Carson at 894-0284.

JULY 13
SuperTrain Sessions, course, “CQL - Team Dynamics,” 8:30 a.m.-1:00 p.m., Weber Building. For more information call Denise Daniels at 894-1146.

DID YOU KNOW?

How to Handle a Grievance

According to the policies and procedures section of the Classified Employee Handbook, Georgia Tech employees procedure will impartially review grievance situations.

“Grievances are filed in response to incident-specific adverse personnel actions, such as terminations, suspensions without pay, demotions or acts of discrimination,” said Russ Cappello, director of employee relations.

Complaints against co-workers, employees, evaluations and pay raises are not “grievable,” he said.

“The first step is an attempt at mediation between the employee and management,” said Cappello. The grievant should voice a complaint within 15 days of the incident.

If the grievant and the manager cannot reach a satisfactory resolution within five working days, the grievant is referred to the Office of Human Resources (OHR).

Employees who go to OHR with a complaint also must have a solution, said Cappello. For example, an employee believing a termination is unfair should make a specific request such as getting the job back, asking for a departmental transfer, getting back pay, or some other remedy.

OHR is able to settle most problems before a formal grievance is necessary, Cappello said. If OHR cannot resolve the issue administratively, the grievant, within five working days of being notified by OHR, may request, in writing, a hearing before the Impartial Board of Review.

Written requests should include date, time and place of the grievance; and a summary of facts constituting the grievant’s complaint. If needed, OHR will help grievants prepare hearing requests. Upon submission, OHR seals the grievant’s personnel file to prevent changes.

Cappello sends the grievance to the Impartial Board of Review chair. The chair initiates mediation between grievant and management. If the parties do not agree, the next step is a hearing by the full board.

After six months service, all regular employees of Georgia Tech are potential members of the board. Except for the presiding chairperson, board members hear only one grievance.

The jury pool comes from 24 names selected randomly. Only the president, the director of Campus Relations, the associate vice president of the Office of Human Relations, the manager of Personnel, the chairperson of the board and chairpersons of the board are exomted from serving on the Impartial Board of Review.

Each jury pool includes eight women and eight minority members. Since these groups are not mutually exclusive, there may not be 16 women and minority members.

Once the jury pool is identified, grievant (employee) and administrator (defendant) alternately strike names until four remain. These four are members of the board. In addition, the previous four names alternates are the Office of Human Resources provides the grievant’s hearing request to the board chairperson. The chairperson, the hearer requests and determines whether a hearing is necessary, and notifies a hearing officer. OHR provides copies of the grievance within five working days and notifies them of the hearing schedule.

“A grievant shall not be harassed, intimidated or otherwise penalized for utilization of the grievance procedures,” according to the Classified Employee Handbook. “A witness shall not be harassed, intimidated or otherwise penalized for appearing at a hearing.”

Witnesses must be Georgia Tech employees, but employers cannot be forced to testify, Cappello said.

Attorneys cannot participate in the grievance hearing, but may attend cases involving criminal activity. Each party may choose one or more nonparticipating Georgia Tech employee advisor.

Parties may present witnesses, plus documentation or other evidence deemed appropriate and relevant. The board is not bound by strict rules of evidence and may receive any substantiated evidence to determine issues involved. The presiding chairperson decides all matters regarding admissibility of evidence or other legal issues.

“Only the principals can ask questions,” said Cappello. “Management can question the grievants, and grievants can question management. Grievants can question management’s witnesses, and management can question grievants’ witnesses. Neither the board nor the chair can question anyone.”

Witnesses are not allowed to hear testimony of other witnesses. Neither the board nor the chair can question anyone.

The board’s position is determined by majority vote. Hearing officers do not vote. The board submits a report to President Chunka within 10 working days of the completed hearing. The report is based on evidence from the hearing and information in the grievant’s personnel file going back 12 months from the date of the incident that gave rise to the grievance.

The report includes all documents accepted at the hearing, names of board members, names of witnesses, a brief discussion of the matter in dispute, positions of the parties and a brief summary of the board’s rationale regarding issues presented.

The board makes its recommendations directly to the president. Recommendations are not incorporated in the written report of proceedings.

After reviewing the board’s report, the president makes a decision — normally within 10 working days — which is final and inclusive for the Institute. The president then sends an official and confidential letter to the grievant, his or her direct supervisor, OHR, and other concerned parties. The president also may refer the matter back to the board’s chairperson for further response and recommendation(s) before making his final decision.

The president provides the grievant with a summary of the hearing proceedings and advises the grievant of the right to apply to the Board of Regents for review of the decision.
New Technology Broadens Home Communication

Georgia Institute of Technology, together with the University of Georgia and the Medical College of Georgia, is initiating a new program to explore the communications technology and applications necessary for broadband services to home and community. Today, digital communication methods are used in a secured environment. Low communication rates can be achieved by digital modems, but the high cost of services that can be offered.

However, there is emerging technology that offers large digital capacity to every home, completing the final link to the information superhighway.

Digital technology can be used for distance learning, telecommuting and to facilitate community information services. The technology can also be used to provide users popular services such as tele-shopping, video-on-demand from national television archives and TV when you want it.

In conjunction with industry, this new program will explore and develop the communications infrastructure to make the above scenarios a reality.

Currently, only pieces of the technology exist, said John Limb, industrial program manager and professor, College of Computing. "The challenge is to provide complete scalable systems inexpensively," he said.

"Much invention and innovation is needed to supply missing pieces of specific technologies and to compare the effectiveness of the different approaches," Limb explained.

Tech researchers are already active in exploring technology for communicating to the home. Current topics being researched include data on cable, optical modulation and wide area connectivity.

The program of research is divided into six areas. These areas are: economic, business and policy issues, applications, network and systems architecture issues, administration and management, network services and media access and physical connectivity. Industry is key to the operation and success of this program, because technology transfer is at the heart of the program.

"We are now in the process of setting up an Industrial Advisory Board with representation from each participating company. The board will work with university participants to define the technical directions of the programs and assist in the transfer of technology," said Limb.

Funding for this program will be provided by the federal and state governments and the participating Universities, in addition to the industrial partners.

"While funding is not completely decided and will change in time, we expect an approximate three times leverage of the funding provided by private industry," said Limb.

John Copeland, director of the Georgia Center for Advanced Telecommunications Technology serves with Limb as an interim program manager.

Meet Greg Goolsby
Full Name: Gregory B. Goolsby
Age: 30
Occupation: Laboratory and Facilities Coordinator
Years at Tech: 10 years
Current Professional Project: "Mary in Chemical Engineering"
Education: Graduate South Georgia Technical Institute
Children: Daughter, Callie, 6; Son, Drew, 5.
Favorite Book: Men are from Mars, Women are from Venus, by John Grey
Favorite Movie: "Forrest Gump"
Best Advice Ever Received: "Be the best you can be at whatever you choose to do in life."

When I Was Little I Wanted to Be: the President of the United States.

My Most Important Achievement: the birth of my two children.

Few People Know: I am teaching myself to play the piano.

Software Gives Physicians a New Look at Heart Disease

Researchers from Georgia Tech and Emory University have teamed up to develop a new, computerized commercial software package that renders realistic, three-dimensional models of blood vessels. The software gives physicians a new look at heart disease by providing a more detailed view of blood flow to the heart muscle.

The visualization model is called PerSpecTive-tm, playing on the words for the scanning multidimensional imaging system (SPECT) and the fact that the visualization offers a visual perspective of the multidimensional information.

This program is already licensed to Siemens Medical Systems (Hoffman Estates, IL), and it will soon be licensed to ADAC Laboratories (Milpitas, CA) and to Toshiba America Medical Systems (Tustin, CA).

The program reads data files produced by another program (Coquial_tm, previously developed by Emory and Cedars Sinai in Los Angeles), which detects and quantifies abnormalities present in the scans. This information is subsequeantly presented to PerSpecTive-tm, where a color-coded 3-D geometric model of the myocardium is created. These models are displayed using varied orientations.

Two modes of display are possible. The static panorma mode displays multiple views of the single image. A cine (movie loop) mode presents rotating models by a sequence of angles in an animated display.

It is probable other software systems will emerge from this Emory-Georgia Tech collaboration.

While Wells is talking, he takes advantage of the moment and applies a few more price tags to the Powerade.

"I'm listening," he explains. Like most young adults, Alan wants to be independent. He commutes to work with his mom, but is looking forward to the day when he can ride MARTA from Georgia Tech to his afternoon job as a courtesy clerk at Vista Grove Super Valu.

Occasionally he likes to practice riding MARTA with his friend Jim.

Alan is presently hired as a Tech Temp, through Tech's Affirmative Action outreach program for persons with disabilities, coordinated by Pearl Alexander. However permanent employment is a definite possibility, according to Ritchie.

"We want to make sure Alan is busy doing work he enjoys," Ritchie said. "I want to make sure we can give him work that is meaningful to him."
APPLIANCES
Dorm size refrigerator. White. It is currently being used in an office on campus. Not much to look at but it works well, $30. Call John Stone 894-4625 or e-mail john.stone@business.gatich.edu

AUTOMOBILES
1984 Ford LTD, only 62,000 miles, V6, AC, AM/FM, $1,700. Call 894-8260.
1990 Mercury Sable LS Wagon, 91K miles, loaded, all power, leather, new tires, trans clean, $6,000. Call 460-0352 or 894-2454.
1992 Pontiac Grand Prix, 4 door, AM/FM/CD Delco stereo system, 65,000 miles, runs great, good gas mileage. If interested, please call 853-9013 (UW) or E-mail radine.hinton@ed.io.gatich.edu
1989 Brougham Sedan calculate, one owner, electric everything, leather interior, wire wheels, vinyl roof, very nice car in very good condition, $5500. Call Gary 894-5158.
1984 Volvo 240 diesel wagon, blue, white interior, interior and exterior in excellent shape, new tires and battery, luggage rack, needs motor work, $750. Call Gary 894-5158.
1987 Mazda Cab Plus pick-up, AC, 5-speed, low mileage, stereo cassette, fiber-glass cap, clean, $350. Call John at 892-1266 evenings.

1990 Ford Festiva, 2 door hatchback, 5-speed, $8,650 miles, AM/FM/Cassette, extremely reliable. Only $1,995 Moving out sell. Call 351-9296, leave message.
1974 Volkswagen Rabbit, runs well. Great restoration potential. $800 negotiable. alyan@rci.gatich.edu, or call 737-9835 and leave message.

FURNITURE
Queen sofa bed and matching love seat includes 4 toss pillows. Less than 1 year old, immaculate condition. $395. Twin size bed includes box spring, mattress, frame, headboard. Very comfortable, $115. Call 351-9296, leave message.
1930s walnut dining room table and six chairs, two pedestal base, 46 in. x 66, fully refinished, great condition, $630 or best offer. Oversized pillow back sofa, white w/ivory Arco print. 38 in. deep, 18 in. (seat) height, 28 in. long, 2 year old, very good condition, $275 or best offer. Oversized pillow back love seat, white w/ivory Arco print. 38 in. deep, 18 in. (seat) height, 28 in. long, 2 year old, very good condition, $225 or best offer. Call Eric Miller 894-9056 (x) 728-8899 (U) or e-mail: eric.miller@ed.io.gatich.edu

TRADITIONAL LIVING room suite in very good condition, early American style in earth tones. Couch $125, love seat $100, armchair $75. Entire set for $300 or best offer. Call 931-2170.

Furniture: sofa & love seat with polished cotton cushions, coffee table, end table, occasional table, stereo rack. Very good condition. $400 or best offer. Call Danielle at 894-6845 or e-mail: danielle.bermann@oca.gatich.edu

Seven-piece modular sofa (solid plywood); $120; solid wood trestle dining table (walnut stain); $50; almost new water bed (w/extra long, $60); round oak coffee table, $15; magnanimous 1000 exercise machine, $50; ping pong table, $40; lamps, skis, weights, misc. Contact Dave Roemer at 894-6821 or david.roemer@pdpolicy.gatich.edu

REAL ESTATE

Virginia Highland Craftsman Style Home, 3 BR, 2BA, central heat/AC, gas water heater. Completely renovated 8 years ago with copper plumbing, new roof, insulation. Original hardwood floors and trim, vaulted hardwood ceiling in LR, fireplace. Large DLR, ati/laundery room, modern kitchen w/iunchporch, two-level deck, wicker porch, large, fenced back yard. Massive master BT w/walk-in closet; master bath w/jaccuzzi tub, dual sinks, spa-style shower, skylight, bath/shed/workshop downstairs. Lots of storage space above and below, $324,900. Call 875-4784.

For rent: House, near Emory, 9 years old, two-story, brick exterior, 2-car garage. Beautiful view of woods in Fernbank School District, about 6 miles from Tech. Large master suite with Palladian window and whirlpool tub, open floor plan, more than 3100 sq ft of finished space. Separate office, fenced yard, fireplace, fans finishes, low-maintenance lawn. 3 bedrooms, 2 1/2 baths. Asking $290,000 or best offer. Call 894-6827.

For Rent: Apartment Park, Furnished home with 3 bedrooms, 2.5 baths, new kitchen, large living room, dining room, sun porch and laundry room. Convenient to downtown, Emory, Georgia Tech and interstates. Walking distance to Colony Square, MARTA, parks. Available September 1995–June 1996.$1,600 per month (negotiable). Please call Amanda or Scott Stephens at leave message at 892-7668.

MISCELLANEOUS
Dog needs a good home. Male Afghan, 7 years old, loving nudge black (will not tolerate cats), energetic, good watchdog. Call 894-8357 or e-mail gwennatch@frz.gatich.edu

Baby Grand Piano, 1913 antique, good condition, beautiful walnut finish, made by Cable & Sons. Asking $2500. Call 451-1771 or e-mail: geilhstir@prism.gatich.edu

Tickets for sale, second row, box seats for Chantam Michel2 Coca-Cola Summer Concert Series! Face value price includes two box seats and one parking pass; Anu Baker, Thursday, August 24, 8:30, B.B. King and Special Guests, Saturday, October 16, 8:30, Call Diane DeMello at 894-4622.

Nancy wanted for 3 and 4 year-old, at my home in Powder Springs. Will consider live in. Need at least five days a week from 7:30-6:30, Monday through Friday. Ideal person would also be willing to do some cooking and cleaning. Please contact Gary at 894-5318.