The "24 Hours At Tech:" A New Program To Attract Potential Freshmen

By Vera L. Dudley

Not too long ago, about 40 high school students converged on the Tech campus to learn first-hand what it was like to be a college student. Sure, they had heard about the responsibility, the independence, and the social life from friends and family. Perhaps they may have even taken a tour, but to go to a college lecture, to speak to a college adviser, to spend the night in a college dorm is an experience too few students get before making that all-important decision.

The "24 Hours At Tech" program was recently activated to help Georgia high school juniors and seniors with high SAT and PSAT scores make a decision about attending Tech. This is the latest tool the Undergraduate Recruiting Office has put to use in its attempts to lure top notch students to Tech.

I enrollment deadline when the figures can be compared. Last week's visit was the pilot program funded by the Georgia Tech Foundation, and according to Jim Garner, director of the Undergraduate Recruiting Office, was a huge success.

"I think the students benefited greatly from it. It served a very useful purpose. Whether this will result in increased enrollment is the real key," says Garner.

The idea for the program, says Garner, was that of a student, Robert McNeil. At that time, President John P. Crecine was encouraging people, particularly students, to bring him new ideas for recruitment.

On the day of the visit, the high school students pair up with their host or hostess. The high school student remains with that person for the entire visit attending class, touring the campus, experiencing residence hall living and learning.

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Stelson Leaving Georgia Tech After Serving In Vice Presidential Posts

After 19 years of service, Executive Vice President Dr. Thomas E. Stelson will be leaving Georgia Tech to establish an Atlanta technical services firm, President John P. Crecine announced Feb. 23.

Crecine said Stelson plans to officially retire at the end of 1990, but will pass on the day-to-day executive vice president duties effective April 1. During the next several weeks, Crecine will appoint an acting executive vice president and will appoint a full committee to begin the search for a successor.

"I respect Tom's desire to now move on to other pursuits," Crecine said. "Tom has been planning for some time to establish his own technical services firm and hopes to begin the enterprise during his last few months at Georgia Tech.

"Given the need for continuity during the establishment of the three new colleges at Georgia Tech over the next several months," he continued, "we decided that it would be better for the institution for us to make the change at this time."

Stelson was named Tech's first executive vice president in May 1988. The executive vice president role, which is the equivalent of the chief operating officer of the university, consolidated many of the duties of the vice president for academic affairs and the vice president for research.

While on leave of absence from Tech in 1989, Stelson served the Carter Administration as assistant to the president for academic affairs.

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Corporate Liaison Program Puts Business In Touch With Tech Programs, Personnel

By Pam Rountree

Question: What Georgia Tech unit is responsible for managing and supporting intensive interaction with selected companies interested in Tech's research, students and faculty?

Answer: The Corporate Liaison Program.

The program helps structure a special relationship by bringing the company's personnel into direct and frequent contact with Tech personnel. Through such contact, information about research programs and new developments is exchanged; the needs of business are made clear to the faculty and students; and the corporation's image is projected and enhanced on campus in the areas of greatest interest to the company.

In addition to its role as a conduit for contracts and information, the Corporate Liaison Program also offers a wide range of useful services to its members.

Corporate Liaison is one of three divisions under the umbrella of the Office of Corporate Relations and Placement. The three units and their responsibilities are: Placement—recruiting; Corporate Relations—development-oriented; and Corporate Liaison—technology transfer.

Corporate Liaison operates as a "membership program," says Robert C. Gordon, associate director for development/corporate relations in the Corporate Liaison Program.

"Companies join our program by giving $20,000 in an unrestricted grant. We take the bulk of this money and return it to the company in the form of benefits.

"The main people we work with," Gordon explains, "are technical people—in academic units, research centers and the Georgia Tech Research Institute. We act as a formal gateway between the companies and Georgia Tech in areas ranging from artificial intelligence..."
Stelson... continued from page 1

secretary for Conservation and Solar Energy in the U.S. Department of Energy and presided over a $1.7 billion program during the energy crisis.

At Carnegie-Mellon, Stelson earned B.S., M.S. and D.Sc. degrees in civil engineering and served on the school's civil engineering faculty from 1962-1971. In 1971, Stelson came to Tech as dean of engineering. He has been credited as the principal architect of Tech's transformation during the last 10 to 15 years from an excellent teaching institution to one of the nation's premier engineering and science research universities.

Stelson became the first and only vice president for research at Tech when the position was created in 1974. According to Creccie, Stelson "helped position Georgia Tech, particularly GTRI, to be a full participant in the Defense Department's research and development expansion and moved the Institute strongly into industrial R & D work. Through this expansion, Georgia Tech has established a position of strength in engineering and science research which the colleges and interdisciplinary research [programs] exploited as well."

During his tenure as vice president for research, research expenditures grew from about $8 million a year to $120 million in 1988. Research expenditures have been estimated at $145 million, according to a 1989 special issue of Business Week entitled "Innovation in America."

Stelson also devised an elaborate and effective set of incentives for the development of graduate education and research in the academic units, financed through the Resident Instruction Budget and the redistribution of overhead expenses recovered through the Georgia Tech Research Corp., Creccie said.

"Through these incentives, Georgia Tech was able to bootstrap itself into a prominent position among research universities," Creccie said. "As the principal architect of a system of financial and other incentives for research and graduate program expansion, Tom Stelson has played an extremely vital role in the history of Georgia Tech."

On Feb. 19, Stelson was named as a Fellow of the American Association for the Advancement of Science (AAAS) during the recent AAAS Annual Meeting in New Orleans. He and Dr. Robert M. Nerem, professor in the School of Mechanical Engineering, were among the 310 "members whose efforts on behalf of the advancement of science or its applications are scientifically or socially distinguished."

Briefly...

Management Preparation - Nagayo Homma, professor of American Studies at Tokyo University, will speak on "Preparing Managers To Succeed In The Global Economy" on March 6 in the Tenenbaum Auditorium. A question and answer session and reception will follow his talk. For more information, call Charles Hyatt at 4-4910.

Women's Forum Scholarship - The Georgia Tech Women's Forum will be awarding its seventh annual scholarship to a female undergraduate May 31. Selection for the scholarship is based on academic average (3.0 or higher) and a brief biographical essay. The essay topic for 1989 is "How I Have Contributed To My College Education (Financial, Academic, Etc.)." Essay submission deadline is April 6. For more information, call Scholarship Committee Co-Chairpersons Glenna Thomas at 4-3800, or Joyce Williams at 4-3866.

Cultural Exchange - The Brown Bag International Cultural Exchange Series continues March 13 with Stanley Fulton, a native of Poland and an engineer for AT&T who worked for U.S. military intelligence after World War II. Fulton also worked with the Polish underground during the war. He will speak on "Eastern European Affairs" at 12:15 p.m. in the Student Center, Rm. 319. For more information, call Michael Myers at 4-8337 or Billiee Pendleton-Parker at 4-4747.

Women's Faculty Club Spring Activities - On March 21, the Georgia Tech Faculty Women's Club will take a tour of the Martin Luther King, Jr. Center at 10:30 a.m. Cost is $2 per person. For more information, call Rosalind Ho at 63-3910. The group is planning an April 25 bus trip to Callaway Gardens; the cost per person is $35 (includes lunch). Deadline for making reservations is April 1. For more information, call Sandra Rousseau at 261-0319.

Skills Development - The Spring Quarter Skills Development Program, offered by the State Merit System, is tentatively scheduled to begin on April 9. Regular attendance is required and hard work is involved. Employees must obtain full support from their supervisors in order to attend classes.

The following courses are tentatively scheduled: Accounting I, II, & III, Business English I & II, and Typing Speed and Accuracy. These courses usually meet twice a week, two hours a day for 10-12 weeks. Employees are expected to prepare their own books, ranging from $10 to $32.

Employees may request course descriptions and registration forms from Deborah Corin Wilson, staff development manager, Personnel Division at - MC 0455 or via PROFS - DCWILSON. Registration deadline is March 12. A sufficient number of requests must be received by the State Merit System in order for the courses to be scheduled. For more information, call Wilson at 4-8359.

Tech Rolls Out The Red Carpet For IOC

By Vera L. Dudley

International Olympic Committee (IOC) members were back to take a look at the Tech campus on Feb. 21 to consider it for the site of the Olympic Village.

In spite of the rain and cold, a cheerful group of staff and students were out on the south end of Bobby Dodd Stadium/Grant Field to welcome Kenya's IOC member, Reginald S. Alexander, in Georgia Tech style. Band leader Bucky Johnson and a couple of the band members provided the music; the Georgia Tech Olympic Coalition (GTOC) provided the gift baskets and balloons which provided the applause and excitement.

"I could tell he was touched," said Billiee Pendleton-Parker, co-chair of the GTOC ambassador committee. "They were just really taken by the fact that people had taken time out of their day to be there to meet them."

Upon his arrival, Alexander was greeted in Swahili by Georgia State University student, Edward Ogega, also of Kenya. According to Pendleton-Parker, no one knew of a Tech student from Kenya, so Ogega was asked.

"I think that's good," she said. "The bid for the Olympics is a Georgia effort, not just a Tech effort. This shows that Tech is reaching and fulfilling its goal to get others involved."

Following the greeting, Alexander was escorted to the third floor of the Warfle Center to view the 3-D interactive video and the GTOC's photographic display which chronologically illustrates how Tech has supported Atlanta's bid for the Olympics.

On the next day, the GTOC had planned to receive IOC press agent, Andres Varela from Spain, in the same fashion as Alexander. Inclement weather caused travel delays resulting in the cancellation of the welcome. However, Varela was able to enjoy the display and video at Warfle.

Although much planning is involved in preparations for these periodic IOC visits GTOC committee members say it is usually not taxing and find it to be an interesting and fulfilling experience. For more information about GTOC activities, call Pamela Richmond, GTOC faculty/staff coordinator, at 4-4106, or Michael Furman, GTOC director, at 2-4485.
"24 Hours"... continued from page 1

about what goes on in the Tech community. They also participate in planned activities which include, an evening program organized by a student-run organization, a meeting with a counselor who advises them on class registration, and a Saturday morning breakfast where a representative from the Alumni Association describes the benefits of being a "Tech Alum."

Though the pilot program went well, Garner feels it could use some enhancement. "We thought it would be better to plan an on-campus social activity for later on in the evening," he says. "And next time, we will use an alumnus to make the alumni presentation."

The program itself is not that expensive to operate. The students are responsible for getting to Tech and the two meals they receive are at no cost to them. However, according to Garner, its preparation can be a very time consuming project. "It takes a lot of administrative time," Garner says. "We do a lot of mailing to all the students who have been accepted within the state of Georgia who meet the academic requirements. We recruit the hosts/hostesses from our campus tour guides and student ambassadors. We also took some referrals."

When more students express an interest, the office plans to devise a screening process for lesser known participants.

The next program was held March 8-9 and focused specifically on minority students. It was sponsored by the Office of Minority Educational Development (OMED). The next will be held March 9-10 and another will follow during spring quarter for qualified high school juniors.

The recruitment office, established to encourage prospective freshmen to attend Tech, is being particularly innovative in spearheading this program. Because of the limited funds and staff, much of their work is supplemented by volunteers and the efforts of other campus organizations and departments including, the Office of Student Affairs, the Co-Op Division, ROTC and the College of Engineering.

"Overall, we have about six people travelling - some more than others. We use alumni representatives when a trip is too far for us to make," Garner says. "Our efforts are compounded by volunteers who do an excellent job for Georgia Tech."

"I think that Dr. Crecine feels that we've done well, but we have to continue to do well. I'm very proud of the quality of students Tech attracts. We are a publicly-supported college and we get a super group of kids." Liaison... continued from page 1 to 18th century literature."

The companies in the program (currently there are 23) "develop a strong relationship with the campus. They develop research contracts or provide money for departments."

Gordon explains how the program works: "The largest percentage of the $20,000 goes to faculty members who work with the company. A number of points are awarded for each interaction. Every six months, the points are added up and an equivalent sum is given to the participating faculty member to use for professional development. The faculty participant's school director also get monies as does their respective dean. Approximately $200 is awarded per point."

He says that the Corporate Liaison program brings in "approximately three-quarters of a million dollars. Only the corporate faculty members contribute to the Georgia Tech Foundation goes to the library ($2,000) toward the costs of each year's data base services, and another $2,000 each year goes toward fee-paid Education Extension courses."

"The technology exchange and later developments are what we are after," Gordon adds. "These exchanges almost always lead to research contracts."

The Corporate Liaison Program begun in 1981. This year, the first Japanese company joined. Some of the benefits that are tailored to company members include:

- Organized visits to campus by company representatives;
- Seminars, symposia and workshops on current topics relevant to industry;
- The Directory of Current Research (an annual book which provides abstracts of current and recently completed research projects);
- The Georgia Tech Resume Book (an annual collection of over 1,200 resumes);
- Fee-paid access to services from the library's Research Information Service and tuition-waived access to several short courses offered by the Department of Continuing Education;
- Early exposure to Tech students and their programs;
- Research briefings by faculty investigators presented at the company site, and among others;
- Consultations with faculty and staff on technical and management problems.

People

Mechanical Engineering

Professor Steven L. Jiang presented an invited seminar on "Manufacturing Process Monitoring and Control" to representative of research laboratories and academia Dec. 20-21 in Taiwan, Republic of China. The 14-hour presentation was sponsored by the National Science Council and the National Cheng-Kung University.

Professor Wayne J. Book has been invited to serve on the External Advisory Committee of the Center for Advanced Technology in Automation and Robotics at the Rensselaer Polytechnic Institute. The committee includes representatives from industry, government and academia and meets twice yearly to review research programs.

Professor Charles Umegakau was recently elected vice president of The Transducer Technical Division of the Society for Experimental Mechanics. He has returned to campus after a six-month faculty internship with the System Technology Division Laboratory of IBM in Austin, Texas. His studies have focused on the causes of small, unfilled via-holes in printed circuit boards and on the evaluation of procedures for measuring localized wafer in these boards.

Professor Robert Fulton was a guest of Alcoa Laboratories in Pennsylvania for a five-day technical symposium on "Opportunities for Computer Science to Advance Material Science" in October. He was a panelist for a session entitled "Parallelism in Computer Simulation."

Academic Centers

Billie Pendleton-Parker, assistant director of the Center for the Enhancement of Teaching and Learning, presented a workshop in Vancouver, Canada at the 16th International Conference on Improving University Teaching. The conference focused on varied aspects leading to the excellence of teaching and learning in higher education: from student learning to consequences of the evaluation of faculty teaching competence in recruitment, promotion, and tenure to research in higher education to faculty-staff motivation and vitality. Her workshop dealt with approaches to improving teaching and learning.

ATDC

Sandra Cuttler, manager of Corporate Development at the Advanced Technology Development Center, has been named the recipient of an ATDC Innovation Award for her work in coordinating Georgia's bid for the U.S. Memories Inc., a computer chip manufacturing plant. The award recognizes outstanding achievement involving inventive, creativity or newness leading to significant economic or prestige value for ATDC and Georgia. It was presented to her during the October meeting of the ATDC National Advisory Committee.
Tornado Tips Given By Environmental Safety Department

In the Atlanta metropolitan area, the period from March-May is normally the peak season for tornadoes. In the event of a tornado "warning," information will be announced over the radio and television stations, and weather alert radios, which are automatically tuned to the national weather broadcast frequency.

If a tornado warning—TAKE SHELTER NOW condition is issued for the Atlanta area during work hours, faculty, staff and students should stay away from windows and seek shelter in the basement or in the interior corridors, stairwells or rooms of the lowest floor of buildings. Do not seek shelter in large rooms with wide, free-span roofs, such as gymnasiums or auditoriums. The lower corridor in the Student Athletic Complex and the tunnel and mechanical room in the Coliseum are approved shelters.

If outside, move away from the tornado at a right angle to its path. If this is not possible, lie flat, face down, in the nearest depression or ditch. DO NOT STAY IN VEHICLES.

For more information, call Les Petherick, of the Tech Department of Environmental Safety, at 4-4635.

Tax Information

Now Available At Tech's Library

Before you sit down with your annual pile of receipts and check stubs, take a minute and stop by the Georgia Tech Library. For more information contact the Library Information Center, 4-4519.

Revenue Service, the Library is making available materials to help you file your 1989 income tax return.

Federal and Georgia state tax forms are available, as well as a variety of IRS publications that can make preparing your return easier.

Step by the Government Information Department on the third floor of the library's east building or call the IRS at 4-4519 for more information.

What's next

ACADEMICS
March 12 - Registration deadline for State Merit System Skill Development Program for Tech employees, call Deborah Covin Wilson at 4-3850 for registration form

ARTS & ENTERTAINMENT
March 6 - Georgia State Jazz Ensemble, 11:00 a.m., Student Center 2nd Floor Lounge
March 9 & 10 - Movie, "Lethal Weapon II," 7:30 p.m. & midnight, Architecture Auditorium, $1
March 12 - TTN, "Hairspary" through March 18, Student Center, 1st floor

LECTURES & SEMINARS
March 6 - Biology Seminar, Dr. Elizabeth Desbi, Yale University, Department of Biology, "Fine Tuning of the Visual Projection of the Frog: A Neurotransmitter at Work," 11 a.m., Cherry Emerson Bldg., Rm. 220
March 8 - Material Handling Research Center Seminar, Yi Tser Lin, "Warehouse Layout for Block Stack Storage System," Tim Gifrove and Jesus Ortiz, "Advanced Automated Guided Vehicle System Control," 11 a.m., CR, Rm. 228
Presbyterian Center Series, Joe Pentecost, prof. of Materials Engineering, "Mitochondrial Genes and the Origins of Women," 3:30 p.m., AECAL Bldg. (new computer science bldg.), Lecture Rm. 16
May 10 - Mechanical Engineering Series, Kevin R. O'Kula, Westinghouse Savannah River, "Structural Analysis of Complex Structures," 3:30 p.m., AECAL Bldg. (new computer science bldg.), Lecture Rm. 16

SPORTS
March 6 & 7 - Men's Baseball vs. Appalachian State, 3 p.m., Chandler Stadium
March 8 - Women's Tennis vs. Sanford, 3 p.m., RMC
March 9 - Men's Baseball vs. Virginia, 4 p.m., Chandler Stadium
March 10 through 14 - Men's Basketball, Atlantic Coast Conference Tournament, Charlotte, N.C.
March 10 & 11 - Men's Baseball vs. Virginia, 2 p.m., Chandler Stadium
March 12 - Women's Tennis vs. Kansas, 1:30 p.m., RMC
Men's Baseball vs. East Tennessee State, 3 p.m., Chandler Stadium

Environmental Forum To Host Program On Drinking Water Quality & Quantity

The Georgia Tech Environmental Forum will host a panel discussion on drinking water quality and quantity issues in Georgia on Tuesday, March 6 from 11 a.m.-1 p.m. in the Student Center Theater. All members of the Georgia Tech community are invited to attend.

There will be several panelists at the discussion from within the Tech community and from outside organizations.

Tech's Dr. A. Amirtharajah will address his research on water treatment systems (i.e. coagulation filtration) and give his thoughts on fluoride, lead and microbiological contamination and treatment and the future needs in relation to drinking water quality work.

Tech student Jessica Lavander—who works in marine biology—will discuss her experiences relating to drinking water quality and quantity issues and will provide a student's and future scientist's perspective on the issues.

Fred Lehman, of the drinking water program in the State of Georgia Environmental Protection Division, will give an overview of the state's municipal water treatment systems and of future growth needs and problems.

Pat Stevens of the environmental planning division of the Atlanta Regional Commission will discuss present and future quality issues relating to Georgia's drinking water.

In addition, Dr. Phillip Carr, general manager of Cobb County-Marietta Water Authority, will give his perspective on the issues and Alan Toney, chairman of water issues with the Georgia Sierra Club, will give a citizen's group perspective.

For Sale - Singer sewing machine, app. 75 yrs. old, foot treadle style on wrought iron base, original attachments, works fine except bobbin needs adjustment, $75. Call 241-9864 after 6 p.m. or PROFS CMCCULLO.

For Sale - Amigo 2500 w/IBM Bridgecard, LOTS of graphics applications, animation packages, and video applications including image digitizer, camera, and color printer, $3,400. Call Shelley at 4-2286.

For Sale - Disney tickets. Four 1-day tickets to Walt Disney World. Two of the tickets allow entry to all three parks on the same day. Total value $116. Will sell for $55 (90% off).

For Sale - Loveseat, sold in excellent condition, $75. Call Liz Evans at 3-9117.

For Sale - Ladies' solitaire ring, 14K, yellow gold, 9-prong setting w/1 ct. round brilliant diamond, appraised at $2,750, will sell for $1,300; 1978 VW Scirocco, 4-speed, A/C, rebuilt engine, less than 1,000 mi., good condition, $1,200; limited edition concert silver Benguin trumpet, fully reconditioned, $500. Call Gail at 4-4154.

Sablence - Beautiful, spacious, 1 BR apt. on 8th & Piedmont. Short term lease available. Rent negotiable depending on length of stay. Call Edith at 221-4606 or 881-6096, 20 min. walk to Tech.