Youth Interest In Aviation Will Soar With Opportunity Skyway

By Vera L. Dudley

Dr. Lester Butts, superintendent of Atlanta Public Schools (APS), recently approved a Georgia Tech summer program that will provide disadvantaged students with early exposure to the engineering field and inspire them to pursue aerospace careers.

Thomas Hamall, director of the University Partnerships Department and Dr. David Peters, director of Tech NASA Space Grant Consortium, presented Butts with the concept for a model program to be developed at Fowler Elementary School, Walden Middle School, and Grady and George High Schools. Butts gave his full support of the program.

"I think this is an excellent beginning," Dr. Butts said. "I think it would really put Tech on the road to being a true part of the community. The APS is very much in need of good neighbors."

The program, Opportunity Skyway, will enable high school students to interact with professionals in various segments of the aviation industry, participate in role-model sessions, ground-school courses and orientation flights. According to Hamall, Opportunity Skyway provides a path from secondary school to technical or college-level studies and emphasizes the importance of internship and apprenticeships.

Tech's School of Aerospace Engineering and University Partnerships Department adopted Opportunity Skyway, which originated at DuVal High School in Maryland, with the help of the Atlanta Private Industry Council (PIC). The initial program will run from June to August 1996, and involve grade school children. Certified FAA flight instructors, numerous industry specialists, and Tech faculty will provide classroom instruction, and Tech students will be recruited to serve as teaching assistants and classroom demonstrators. A larger program, continuing throughout the entire school year, will follow in September and eventually extend to all grade levels in Atlanta area high schools.

"Aerospace provides some 60 to 70,000 jobs within the State. Far too few females and minorities are entering into the scores of job fields available," Hamall said. "Hopefully, the creation and expansion of this program will serve the best interest of students, educational institutions and industry."

U.S., Global Economic Outlooks Addressed At Tenenbaum Lecture

By Charles Hyatt

"It is possible for the U.S. to maintain global economic influence into the 1990s, but only if we get our own house in order first," said Lawrence H. Summers, vice president for Development Economics and chief economist of the World Bank. Speaking on the "Prospects for the American and World Economies in the 1990s," he was addressing attendees at the annual Tenenbaum Lecture.

"The world is shrinking and we're becoming more interdependent economically," he said. "The largest McDonald's restaurant is now located in Moscow, and it costs less today to make a telephone call from Boston to Tokyo than it did 20 years ago to call from Boston to Atlanta." With the ever increasing pace of change in communications, international trade and transportation, Summers believes the U.S. will face numerous challenges to its economic leadership. He foresees consumer confidence returning after the conclusion of the Persian Gulf War and is optimistic for an end to the recession in the short term. He said he is more cautious about the medium range U.S. outlook, however.

"We've got to get the twin deficits under control," the noted economist said. "The U.S. is the world's largest debtor nation and has the lowest rate of personal savings for any industrial country in the modern era. Reduction of the deficit is imperative."

Other policy challenges facing this country include keeping world markets open and improving its increasingly "ricketty" financial system. North America must cope with increasing consolidation of European and Asian regional trading blocks and with that, an increasing air of protectionism. Summers believes the U.S. must increase productivity and work for better trade agreements.

The nation's banks must avoid slipping into the same mistakes which caused the savings and loan crisis, Summers said, advocating revised regulations to encourage more savings and institutional responsibility. He said his gruvest concerns, however, are about the U.S.' long-term economic outlook. Citing figures showing less people can afford

See Lecture, p. 2, col. 1

Operations Task Force Helps Set Tech's Agenda For 1996

By Jackie Nemeth

The 28-member University Operations Task Force is planning how Georgia Tech will carry on as an educational and research institution during the 1996 Summer Olympics, according to Dr. Don P. Giddens, chair of the task force and director of the School of Aerospace Engineering.

Giddens' group is a subdivision of Tech's 1996 Committee, a group of campus representatives and alumni helping to plan for the Olympics and its effects on Tech. The task force examines operations relating to classes, research, personnel, auxiliary services, support functions, and how they will work during the 1996 Summer Games. Giddens said this subcommittee is not making recommendations for housing and security, but the group is keeping tabs on those situations because "we need to know who in the Tech family would need access to the Olympic Village and this relates to security."

Giddens said the Olympic Village will be occupied for four weeks - See Task Force, p. 2, col. 2
Task Force  
continued from page 1

one before the Games, two for the Games, and one after. An additional week will be needed to dismantle temporary structures built especially for the Games.

One critical area for the Institute is research operations. Employees or students must have security clearances for access to research areas located in the Village boundaries. Giddens said, “The Olympic Village would be closed to everyone except for those with security passes during the four-week period. The process of obtaining security clearances will not begin until six months to a year before the Olympics.” He said some research facilities such as the Centennial Research Building and the Baker Building have been placed outside the Olympic Village boundaries and expects some other research areas will follow soon. Other possibilities for conducting research off-campus could include remote access with computer systems and using the LENDS, a computerized library reference material check out system, and having those materials delivered to faculty and students.

Eight Options

Eight different options are being examined to determine how classes will be held in 1996, Giddens said. “We are working to recommend the best solution so that the security process will continue that summer.” Five thousand students usually attend summer quarter classes at Tech. Co-ops, graduate students and incoming freshmen are a large part of that number.

Auxiliary Services present a unique situation, Giddens said, because that area is not funded directly but requires service-generated income to exist. He said the committee is looking for a way to include Auxiliary Services employees in the Olympic Village’s operations. For example, they could provide assistance ranging from postal service to hair cutting. The Student Galleria could serve as a site for cultural programs, and the Bookstore could provide Tech merchandise and products.

Job Hunting?

If you’re looking for employment opportunities, call the Job Line in the personnel office—ext. 4-4562.

Barry Walker

Walker Selected To Head Tech Division Of Communications

Barry Walker has been named Georgia Tech’s director of Communications for the Office of External Affairs. Walker will be responsible for the News Bureau, Publications and TelePhoto (video production) departments comprising the Communications Division.

Before joining Tech, Walker was associate vice president of public affairs for an Illinois-based property and casualty insurance trade association. Prior to 1985, he was southwestern regional manager in Dallas, Texas, for the Insurance Information Institute, the insurance industry’s public relations arm.

He is a University of Georgia journalism school graduate and is accredited in public relations by the Public Relations Society of America. Walker also serves each year as convention news bureau coordinator for the Radio-Television News Directors Association and as volunteer public relations counsel for the Atlanta Head Start Program.

Charles Harman. Editor
Jackie Nemeth. Managing Editor
Vera L. Dudley. Contributing Editor
Gary Mee. Photographer
Margaret Barrett. Photographer

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News for the Georgia Tech Community

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Faculty Forum

Reversing The Trends: How Tech Will Attract 18-Year Olds In The Year 2000

By Tom Hamall and Cynthia McKee

By all indications, the average American 18-year-old at the turn of the millennium will be more often female and (by current definition) minority, i.e. black or brown.

In Georgia, if current trends continue, that student will also be a high school dropout. In fact, according to a recent National Center on Education Statistics report, our state ranks a dismal 49 out of 51 states in high school completion rates.

To an institution like Georgia Tech, which has traditionally relied on white males to make up the bulk of its student body, these trends must be disturbing, but only in the sense that they demand a path of change. They also give mandate for the opportunity to position the institution on the crest of those trends rather than following mournfully behind.

Of even more significance, many of our colleagues share in our concern over recent national and regional reports indicating a decrease in the number of females and minority students entering the engineering, science and math professions, well ahead of the population as a whole. Not only are 39 percent of Georgia's high school students not expected to reach graduation, fewer of the ones that remain will become the American scientists, researchers, mathematicians and engineers of the 21st century. We are not exaggerating when we say the future of not only Georgia Tech but of our nation rests on our ability to reverse these trends.

We cannot hope to reverse these troubling trends without providing the public schools with improved curriculum, better in-service training for teachers, important role models for children, and a commitment to leadership.

If Georgia Tech is to remain the great institution it is and fulfill its promise to our state and nation, we must look aggressively beyond our campus and our traditional structures. We must reach out to market our programs, faculty and students to develop our potential in the communities that will most affect us.

Georgia Tech's new University Partnerships Department (formerly the Civic Affairs operation) is aggressively seeking broad participation from all segments of the organization in a growing number of educational outreach programs designed to encourage interest in science, engineering and math, particularly among female and minority students. In 1988, Georgia Tech adopted the Walden Middle School of Science and Math. Since then, we have expanded our programs to the Atlanta Public Schools to include Science/Space summer camp program, Environmental Sciences summer camp, and a "brown bag" lunch speaking series with Talent Center youth at the Walden Middle School. In addition, we have developed Tech faculty demonstrations of science, engineering, and math principles developed tutor- ing programs, developed sister cooperation; arranged school visits to industries/companies with a technological focus; established a Junior Tech Toastmasters program that works with SetTrek in making presentations to children; and provided field trip opportunities to NASA Space Center, Smith, Fernbank and Zoo Atlanta.

We believe these outreach efforts can further contribute to Tech's increased minority and women enrollments. Female applicants increased 10 percent this year, and their rate of acceptance for enrollment at Tech is up by 20 percent. The number of black students applying to Tech has jumped from 18 to 27 percent, and their acceptance rate is 75 percent. Tech has come a long way toward its 1996 goals of producing the nation's largest number of black and minority doctorsates in engineering and science and tripling the number of both its black and female professors.

Now we need your help and the assistance of our illustrious alumni to build self-esteem in female and minority youth. We must tell our community, city and state leaders about Georgia Tech's commitment to economic development and our contributions to bringing technological innovations, like Science/Atlanta and Hayen microsystems. The University Partnerships Department's ultimate aim, like that of the organization it serves, is to encourage the marketplace for our students and in turn, provide the quality professionals for Workforce 2000. We can afford no less.

Editors Note: The authors are Tom Hamall and Cynthia McKee, of the University Partnerships Department. Interested Whistle readers are encouraged to sign up for one or more of the outreach programs: the enclosed questionnaire and return it to University Partnerships Department, mail code 0892. Ideas and comments for making this program more effective are also welcome and may be referred to McCree at 6-1885.

The Whistle provides Faculty Forum as a platform for comment and debate on the issues affecting Georgia Tech, its faculty, staff and students. The opinions expressed are the author's and do not necessarily reflect those of the Whistle, Georgia Tech or the University System of Georgia. Faculty Forum encourages comment and opposing viewpoints.

Dr. Joseph Hoffmann Jr. (L) and Atlanta Mayor Maynard Jackson gave their support for "100 Black Men of Atlanta" at a press conference in the Walden Center. Hoffmann is president of the organization.

Tech Concludes Black History Month With "100 Black Men" Support

By Vera L. Dudley

On Sept. 29, Georgia Tech will host the Atlanta Football Classic II in support of "100 Black Men of Atlanta," a social-action group dedicated to resolving educational and other issues impacting the black community. This event concluded Black History Month. Dr. Joseph Hoffmann Jr., president of 100 Black Men, announced the group's $6 million, 10-year commitment at a press conference in the Warld Center to support historically black colleges and universities and to fund other social and economic initiatives benefitting youth and the poor.

The popular Football Classic, billed as one of Atlanta's premier sporting events, is a principal fundraiser for the organization's social-action endeavors. According to Hoffmann, the two classics, also held at Bobby Dodd Stadium/Grant Field, were sell-outs and generated a total of $600,000 for the participating institutions. This fall, Southern University of Baton Rouge, La., will take on South Carolina State College or Orangeburg, Atlanta Mayor Maynard Jackson and Fulton County Commissioner, Michael Lomax were among the membership of businessmen and entrepreneurs who enthusiastically endorsed the huge commitment.

"I'm proud of what you do because you do more than talk. 100 Black Men has made this classic what it is," Jackson said. "100 Black Men will deliver this crowd to this game. The City of Atlanta is proud of 100 Black Men all the way!"

Over the last three years, Hoffmann said, Georgia Tech has provided conference rooms for the group's regular meetings in the Warld Center and assistance with financial aid processing for students participating in 100 Black Men activities.

"Georgia Tech is very proud to be associated with the endeavors of 100 Black Men and most importantly Tech is proud to be part of the continuing celebration of black history month," said Dr. Norman Johnson, special assistant to Tech President John P. Crecine. As a part of its service mission, we must reach out to a wider community.

Last year, a Tech football game was scheduled on the same day as the Atlanta Football Classic. According to Johnson, Tech's President John P. Crecine, Homer Rice and Bobby Ross opened the stadium to The Classic, making it possible for the Institute to hold its first-ever double header.

"They have made a distinct effort in doing anything that we've asked them to do. They have simply been a good corporate and scholastic citizen to our organization," Hoffmann said.

Founded in 1986, the Atlanta group is one of nine chapters of the 100 Black Men of America established to promote the concept of self-help throughout inner-city neighborhoods. 100 Black Men of Atlanta rally the resources, talents and commitment of some of the city's most influential leaders and businessmen to provide needed services to the community.

"100 Black Men are local black heroes attempting to inspire a new generation of leaders to believe in itself and its future. This is a cause with which Georgia Tech can easily identify," Johnson said.

One of their most outstanding endeavors is Project Success, a program offered to 25 high school students living in the Perry Homes housing community. Project Success provides incentives for staying in school and achieving academic excellence. Upon graduation, the organization promises to underwrite the cost of the student's college education with the funds they raise from activities like the Atlanta Football Classic.
ACADEMICS
March 12
Academic Senate meeting, 3 p.m., Weber (SST) Bldg., Lecture Rm. 1.
March 14
Undergraduate Curriculum Committee meeting (student petitions).
March 15
Last day to pay fees to retain Early Registration (Phase I) Schedule for Spring Quarter, 1991.
Degree candidates will be released from classes at the close of regular classwork on March 14. All other students will continue in scheduled duties until the end of the term on March 23.
Last day to apply for Cross Registration for Spring Quarter, 1991.
Graduate Committee meeting (student petitions).
March 15
Final grades for degree candidates scheduled to graduate March 23, must be turned in to the registrar's office not later than 9 a.m., Friday, March 15, 1991.
Last day of classes for all students. March 18
Degree Candidates re-examinations, a degree candidate who has a single deficiency between him/her and graduation will be permitted one re-examination in that course on March 18.
Final examinations, through March 22.

LECTURES & SEMINARS
March 13
Chemical Engineering Seminar, Adam Heller, University of Texas, Austin (Joint w/Chemistry) "Biosensors Based on Electrical Wiring of Redox Enzymes," 4 p.m., Ranger-Henry Bldg., Rm. 311.
March 14
Mechanical Engineering Seminar, James B. Grothe, Northwestern University, "Surface Tension Dynamics in Pulmonary Mechanics and Transport," 2:30 p.m., Coon Bldg., Rm. 217.
Nuclear Engineering & Health Physics Seminar, R. A. Karum, Nuclear Engineering, "Group Cross Section Generation," 4 p.m., ESM Bldg., Rm. 109.
Environmental Engineering & Hydrosystems Seminar, Sam Rocker, MSENVE candidate "Waste Minimization Strategies and Technologies in the Aircraft Painting Industry," 3:05 p.m.

Classifieds
For Rent - 1 BR corporate condo w/room. Downtown, furnished, short-term rentals (1 wk. min.) Ideal for visiting prof/researcher. Call George at 525-8489.
For Sale - 1989 Mercury Cougar, every option, anti-lock brakes, immaculate, meticulously maintained, 28K mi., $9,500. Call 493-8532.
For Sale - 3 BR, 2 BA, 4-yr. old, ranch style house. Must sell. 1,800 sq. ft. must sell. Convenient to 1-85. By owner, $65,000. Call David at 4-3919 or 964-5984.
For Sale - 1980 Datsun 210, 5 spd., 2 dr., white, 104K mi., good cond. $1,250. Call 955-4014 (after 6 p.m.)
For Sale - Golf clubs and bag. Call Mark at 4-6844.
For Sale - Smith Corona (PWP 3000), 100,000 character memory, $300. Call Emirac a 4-6972.

Briefly...
Georgia Tech Omni Night - Welcome back former Georgia Tech basketball stars when their teams take on the Atlanta Hawks at the Omni. Brian Oliver and the Philadelphia 76ers will play the Hawks on March 12 at 8 p.m. On April 8, Tom Hammonds and the Washington Bullets will come to town and play at 7:30 p.m. Discount tickets are available for $15 and $11 at Ticket-A-Tech (in the Bookstore) or show your Tech ID at the Omni ticket window. For more information, call the Hawks office at 887-DUNK.
Science Fiction Writer To Speak - Award winning science fiction writer Ursula K. Le Guin will give readings and conduct question and answer sessions on March 13 and 14; both sessions will take place at 11 a.m. in the Weber (SST) Building, Lecture Room 2. A reception in Le Guin's honor will be at the Alumni/Faculty House at 2 p.m. on March 14. This event is sponsored by the School of Literature, Communication and Culture; for more information, call 4-2730.
Air Force ROTC Speaker - Four-star general Rom Yates will speak at 11:15 a.m. in the Architecture Auditorium about Operation Desert Storm. For more information about Yates' seminar, call Air Force ROTC at 4-4176.

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