Financial Aid Makes the Grade

The U.S. Department of Education gave Georgia Tech's Financial Aid Office an A+ for its compliance with statewide policies and procedures, after completing an intensive program review last month.

Examiners reviewed a random sampling of student files to evaluate overall performance. In the event of a violation, the examiner assigns a "finding" or penalty. Each finding results in a financial liability. Tech received no findings and no financial liabilities. The department conducts program reviews every three to five years.

Jerry McTier, director, Financial Aid, said he is pleased with the evaluation, but his office will continue to strive to meet even higher standards.

"It was pretty good news for us, when you compare it to the last review; but we are still not at the place we all want to be," he said.

But to continue improving, "I will make sure to have the staff assigned to some of the work get certified," McTier said.

McTier predicts that the upcoming year will be the most challenging yet because of an accelerated schedule prior to the '96 Olympics and the implementation of BANNER SIS, a new computer operating system, scheduled for Fall 1997.

"I know some of the most difficult times are ahead of us, but I am confident in our staff and optimistic that we will continue to build on our successes," said McTier.

Perseverance Pays at Georgia Tech

Six years ago the Center for the Enhancement of Teaching and Learning (CETL) and the Dow Foundation awarded Mark Bertsch, ME '90, a $1,000 check and a certificate recognizing him as the first CETL/Dow Foundation Perseverance Award recipient. Benson had spent over 10 years at Tech, while battling bone cancer, in pursuit of a B.S. degree.

"I know some of the most difficult times are ahead of us, but I am confident in our staff and optimistic that we will continue to build on our successes," said McTier.

Tech Examines NATO After Bosnia

Academics, diplomats and policy makers joined forces February 27 during "NATO After Bosnia," a one-day conference designed to examine the future of the North Atlantic Treaty Organization (NATO). The conference, which was sponsored by The Center for International Geopolitics (CISTP) at the Ivan Allen College, and the Center for Strategic and International Studies (CSIS) in Washington, D.C.

"NATO," was delivered by Robert Pearson, deputy chief of the U.S. Mission to NATO. Pearson discussed NATO's present structure, highlighting the role of the Partnership for Peace in European relations. He explained his perception of NATO's role in Bosnia.

"I agree that there is a major investment in Bosnia, but I no way believe NATO's future is dependent on the future of Bosnia," Pearson said. "We are not occupying Bosnia. We are not going to act as a police force, and we are not going to rebuild the country. We can not guarantee the two parties will not fall back into a conflict," he continued. "What we can do is provide a very critical element of support to a process that we hope will catch hold."

The afternoon panel, led by Professor Thomas Remington from Emory University, Professors Gary Bertsch and Igor Khrapov from the University of Georgia, and Papp from Georgia Tech, centered around Russia and its future relations with Europe, with the United States and with NATO.

CISTP is involved in a number of research areas including the interdisciplinary examination of industrial competitiveness, the global environment, evolving international cooperative systems and other international issues.

For more information about the Center, call 894-9452 or visit their website at http://www.inta.gatech.edu/cisp.html.

Job Market Tough for Some Ph.D. Graduates

Amanda Crowell
Research Communications Officer

Landing the job of their choice may be getting harder for science and engineering doctoral students, a recent national study suggests. Prospects are reported as particularly bad for those aspiring to university research positions.

"As of 1992, of those university professors who retired, only one in three was replaced," said Georgia Institute of Technology Sociologist Dr. Mary Frank Fox, professor, History, Technology, and Society and co-author of the new study. "Recent Ph.D. recipients in science and engineering are encountering an imbalance between the number of jobs available and the number of persons seeking those jobs."

Fox's study, sponsored by the National Science Foundation (NSF), was presented February 13 at the annual meeting of the American Association for the Advancement of Science (AAAS) in Baltimore, MD.

For their work, Fox and Georgia State University Economist Dr. Paul Stephan of the Policy Research Center looked at five fields of study: chemistry, computer science, electrical engineering, and physics.

Fox first surveyed 3,800 students (and received almost 2,400 responses) about their perceptions in regard to their career fields, then charted the data based on gender, field of study, and whether students preferred academic careers, nonacademic careers in research universities, academic careers in teaching colleges/universities or nonacademic careers in industry or business.

Stephan took the resulting data and explored how "reality-based" it was in terms of actual employment and salary levels, again looking at gender, field and type of employment desired.

"To the extent that the reported prospects reflect reality, the gap between preferences and prospects has implications for students, for graduate programs and for national policy and goals in science and engineering education, " Fox said.

On a scale of poor, fair, good or excellent, both male and female students saw their career prospects in research universities as less than good or no better than fair, particularly in physics for both sexes and in chemistry for women.

At the same time, nearly half of the physics students surveyed preferred teaching careers in this area.

Students also viewed their prospects as less than good in teaching college/universities, but they were slightly more optimistic about the nonacademic world.

As for gender differences, male students found their career prospects in research universities less than good or no better than fair, particularly in physics for both sexes and in chemistry for women.

At the same time, nearly half of the physics students surveyed preferred teaching careers in this area.

Students also viewed their prospects as less than good in teaching college/universities, but they were slightly more optimistic about the nonacademic world. As for gender differences, male students found their career prospects in research universities less than good or no better than fair, particularly in physics for both sexes and in chemistry for women.

At the same time, nearly half of the physics students surveyed preferred teaching careers in this area.

Students also viewed their prospects as less than good in teaching college/universities, but they were slightly more optimistic about the nonacademic world.

As for gender differences, male students found their career prospects in research universities less than good or no better than fair, particularly in physics for both sexes and in chemistry for women.

At the same time, nearly half of the physics students surveyed preferred teaching careers in this area.

Students also viewed their prospects as less than good in teaching college/universities, but they were slightly more optimistic about the nonacademic world.
MARCH 11
Interaction Management, Part III, will be held in the Coliseum Annex, Room 302 (HRD training room) from 12:30 - 4:30 p.m. For more information, contact Wansley Stallworth at 894-2249.

MARCH 12
Managing a Diverse Workforce, will be held in the HRD training room from 8:30 a.m. - 12:30 p.m. For more information, contact Wansley Stallworth at 894-2249.

MARCH 13
Preventing Sexual Harassment will be held in the HRD training room from 8:30 - 11:00 a.m. For more information, contact Wansley Stallworth at 894-2249.

MARCH 14
"How the 96 Olympics/Paralympics Will Affect You as a Georgia Tech Employee," presented by OHR and the Payroll Department, will be held from 10:00 - 11:30 a.m. at the Centennial Research Building, First Floor Conference Room. For more information, call Wansley Stallworth at 894-2249, or e-mail grolier@ohr.gatech.edu or pat.brook@business.gatech.edu.

MARCH 15
Interaction Management, Part IV, will be held in the HRD training room from 8:30 - 12:30 p.m. For more information, contact Wansley Stallworth at 894-2249.

MARCH 16
Dr. Paul J. Crutzen, co-winner of the Nobel Prize for chemistry, will address graduates at Georgia Tech's Winter Quarter Commencement, in the Alexander Memorial Coliseum, beginning at 10 a.m.

MARCH 18
Interaction Management, Part V will be held in the HRD training room from 12:30 - 4:30 p.m. For more information, contact Wansley Stallworth at 894-2249.

MARCH 19
Meeting Management, Part I, will be held in the HRD training room from 8:30 a.m. - 12:30 p.m. For more information, contact Wansley Stallworth at 894-2249.

MARCH 20
Performance Procedures and Counseling, will be held in the HRD training room from 8:30 a.m. - 12:30 p.m. For more information, contact Wansley Stallworth at 894-2249.

MARCH 21
Productivity/Time Management Skills, will be held in the HRD training room from 8:30 a.m. -12:30 p.m. For more information, contact Wansley Stallworth at 894-2249.

MARCH 22
Interaction Management, Part VI will be held in the HRD training room from 8:30 a.m. -12:30 p.m. For more information, contact Wansley Stallworth at 894-2249.

MARCH 26
Violence in the Workplace, will be held in the HRD training room from 8:30 a.m. -12:30 p.m. For more information, contact Wansley Stallworth at 894-2249.

MARCH 27
Coaching Skills will be held in the HRD training room from 8:30 a.m. -12:30 p.m. For more information, contact Wansley Stallworth at 894-2249.

NEW GEORGIA TECH LOGO ON-LINE
The new logo is now located on an ftp site accessible through the “What’s Hot” button on the Georgia Tech Homepage. You can also find the new logos at the following ftp site address:
<ftp://ftp.gatech.edu/pub/pspeech>/ by using ‘Fetch 2.1’ Fetch is a freeware program available on the Network that allows you to download the logos to your file server.

The new logo is available in the following formats: EPS (PhotoShop), EPS (Illustrator), PSTC files, TIFF files, GIF files, and WMF (WordPerfect Meta Files).

If you have any problems with the electronic files, call the Office of Information Technology, Customer Support Center at 894-7173.
Meet Will Rees

Full Name: William Smith Rees Jr.

Age: 36

Occupation: Joint professor in the Schools of Chemistry and Biochemistry and Materials Science & Engineering

Years at Tech: 2

Current Professional Project: Director of the Molecular Design Institute

Education: B.S., Texas Tech University, 1980; Ph.D., UCLA, 1986

Marital Status: Phyllis Ann Waite, 1986

Children: Bryce Alexander, 3.5 years; Aeryn Elizabeth, 2 months

Favorite Book: Ernest Hemingway's The Old Man and The Sea

Last Movie: "Babe, the Talking Pig"

Few People Know I: Received the American Farmer degree from the Future Farmers of America

Best Advice Ever Received: If a job is worth doing, it is worth doing right.

Pet Peeve: Individuals who do not uphold their commitments.

Most Important Achievement: Last year when CHEM-TV was brought to campus and viewed live by 8,000 junior high students.

What Brought You to Georgia Tech? Personal: Phyllis had a position with a company near Boston, while I was on the faculty at Florida State University. She now is on the research staff at Emory Medical School.

Professional: The commitment of the Institute to continue to enhance the quality of what already is a top-level university.

Sigma Xi Gears up for 1996

Faculty and Staff Honors Luncheon

The Georgia Tech Chapter of Sigma Xi is currently seeking nominations for the 1996 faculty and student research awards. Award winners will be honored at the Faculty and Staff Honors Luncheon, scheduled for May 23, and the Sigma Xi Banquet, scheduled for May 24. The awards are made possible by the support of the Fisk Foundation and Georgia Tech.

Nominations for awards may be submitted by a school, department, laboratory or by individual faculty members. Each school should nominate only one candidate for a faculty award and each faculty member may receive only one award in a given year. Theses or reports submitted for student awards must have been completed between March 15, 1995 - March 15, 1996. Student nominations should be screened by the nominating school or department and only the best should be submitted to the appropriate committee. In the case of Ph.D. Theses or reports submitted for student awards, each school must nominate one or up to 10 percent of the total number of Ph.D. degrees awarded (rounded to the nearest integer) by that school during the specified 12 month period. Each nomination must also contain documentation including an abstract, list of papers, presentations, patents, or other intellectual products which resulted directly from the thesis research. A brief statement of the impact or relevance of the work should be included with all nominations. Nominations are due on or before March 22, and should be submitted to the chairperson of the appropriate committee listed below.

FACTORY AWARDS

Sustained Research Award

One award, with certificate and $2,000, to a faculty member in recognition of outstanding sustained research in a given area. Committee Chair: Ajit Yoganathan, Chemical Engineering, Weber Space Science and Technology Building, M/C 1010.

Best Paper Award

Two awards, with certificates and $1,200 each, to faculty authors of an outstanding paper (or papers all in a single subject area) published between March 15, 1995, and March 15, 1996. In case of multiple authorship, each faculty author will receive a certificate and will share the $1,200 equally. Committee Chair: Jessica K. Hodgins, College of Computing, Building M/C 0280, and Young Faculty Award

Two awards, with certificates and $1,200 each, to faculty of rank no higher than assistant professor or equivalent (research scientist, research engineer, etc.) for the outstanding paper (or papers all in a single subject area) published in scholarly journals between March 15, 1995 - March 15, 1996, based on research performed at Georgia Tech. The work may be the result of a cooperative effort with other faculty or with students. In the case of a collaboration, a written statement indicating the contribution of the nominator is required. Committee Chair: Faiz Al-Khayali, ISE, Groseclose Industrial and Systems Engineering Building, M/C 0280.

STUDENT AWARDS

Ph.D. Thesis

Five awards, with certificates and $500 each, for an outstanding Ph.D. thesis. A certificate will also be awarded to each student’s faculty advisor. Committee Chair: William Weypre, Mechanical Engineering, Manufacturing-Related-Disciplines Center Building, M/C 0405.

M.S. Thesis

Two awards, with certificates and $250 each, for an outstanding M.S. thesis, or written report or published paper resulting from partial fulfillment of the M.S. requirements. A certificate will also be awarded to each student’s faculty advisor. Committee Chair: Thomas Dickerson, Biology, Emerson Building, M/C 030.

Undergraduate Research

Two awards, with certificates and $100 each, for undergraduate research as evidenced by a thesis, written report, or published paper. A certificate will also be presented to each student’s faculty advisor. Committee Chair: Thomas Moran, Chemistry, Boggs Building, M/C 0400.

University Officials

Condemn Racist E-mail

Georgia Tech was one of many universities around the country to receive a racist electronic message originally distributed by a computer hacker using the University of Michigan (U-M) computing system. Recent reports confirm that the message which originally appeared in April 1994 has resurfaced in messages across the Internet. The message contains racially offensive jokes and threats of violence.

U-M officials investigated the posting in 1994 and were able to determine that the U-M student whose name was attached to the message was not the sender. The student’s computer password had been stolen from a campus computer site by a hacker, who used a program to capture the passwords of a number of campus computer users. Despite a thorough investigation, the origin of the messages was never determined.

U-M President James J. Duderstadt condemned the message at the time it was distributed, describing it as “a monstrous act that has made a mockery of the values of civility that we hold so dear at this University. We support freedom of expression by members of our community. But we deplore expressions that demean individuals and create a hostile environment.”

University officials also cancelled the original message and sent an apology to all who originally received it. Nevertheless, it has continued to circulate on the Internet as individuals have repeatedly forwarded the message.

“Many people we hear from are forwarding the message to express their sense of outrage at its content and to raise consciousness about the persistence of racism in our society, says Lisa Baker, associate vice president for university relations. But forwarding the message is only prolonging its existence and adding to the distress that is experienced by its recipients. We strongly urge anyone who receives this message not to continue passing it along.”

Individuals who have questions about the message or who receive offensive electronic messages originating from the U-M should contact the Information Technology Division User Advocate by sending e-mail to user_advocate@umich.edu.

College of Engineering Honors Young Alumni

On March 1, the College of Engineering inducted 75 alumni into the Council of Outstanding Young Engineering Alumni. Membership is reserved for alumni under 40 years of age who have demonstrated outstanding professional achievements.

“In the short time since completing your education at Georgia Tech, you have made significant progress in ‘making your mark’ on the world,” said Dean of Engineering John A. White. “We take pride in our accomplishments to date but are most excited about the future contributions you will make to make. The College was established as a way of expressing our appreciation to you for making us ‘look good!’ Your achievements are a clear demonstration of Georgia Tech’s ‘hell-raising engineers’ spirit.”

The College of Engineering also honors outstanding alumni through the Academy of Distinguished Engineering Alumni, which recognizes alumni over 40 years of age who are actively involved in professional practice; and the Engineering Hall of Fame, which recognizes those who have reached the pinnacle of their professional achievements.

Induction into the Academy of Distinguished Engineering Alumni occurs in the spring; induction into the Engineering Hall of Fame is held each fall.

STUDY, continued from page 1

As for what students prefer to do once they have earned their doctor- al degrees, men were more likely than women to prefer academic careers in research universities, while women were more likely to prefer academic careers in teaching colleges/universities. Preferences for nonacademic careers did not differ between men and women across fields.

When broken down by field of study, students of both sexes within microbiology and physics preferred jobs in research universities. But those in chemistry and electrical engineering showed stronger preference for nonacademic careers.

According to Fox, today’s science and engineering doctoral students are facing three major economic changes that may hamper their career prospects. These include growing government deficits and their effects on federal funding for research and research training; the end of the Cold War and its effect on funding for scientific research to defend; and the lifting of the mandatory age for retirement and its effect on the replacement of scientific personnel.
AUTOMOBILES

$3,500 o.b.o. (770) 926-9339. 4-door, good condition, 137,000 miles, 1988 Toyota Camry Station Wagon, silver, first $2,200. (770) 641-2862.

1983 VW Rabbit, red, 4-door, good condition $1,000. Call R. A. Karam at 894-3620.

$1,000. Call 894-7530 or e-mail ann.jaudon@vpss.gatech.edu


For Sale: 45" (Big Screen) RCA TV, stereo inputs/outputs; oak cabinet in excellent condition, $2,400 negot. Please call Eric at 624-3038.

Students and employees broke in Tech's indoor climbing wall during its grand opening Friday, March 1. The 3,500 square foot facility, located at Outdoor Recreation Georgia Tech (ORGT), offers participants a choice of 13 climbs designed to accommodate all skill levels. ORGT is located in the O'Keefe Gym, which is behind the Alexander Memorial Coliseum. For more information, call 894-6267.