NSF Seeks Proposals

The National Science Foundation (NSF) is seeking proposals for scientifically and technologically based learning enhancement programs designed for undergraduate students. NSF expects to make 10-15 awards of up to $200,000 each to 2- and 4-year colleges and universities that have demonstrated success in revitalizing undergraduate education on a relatively modest scale and now wish to infuse the entire institution with similar gains.

Through these grants, said Dr. Luther Williams, NSF's assistant director for education and Human Resources, NSF seeks to foster enhanced student learning and preparation for the professional challenges that exist in an increasingly interdependent global society.

"Students from a variety of backgrounds, preparing for diverse careers, depend increasingly on undergraduate institutions to prepare them to function effectively in a society that is increasingly based on science and technology. All will require proficiency in science and mathematics in order to be competent professionals, knowledgeable consumers, and responsible citizens," Williams said.

By publicly recognizing and rewarding visionary plans based on significant previous achievements, NSF hopes to stimulate modernization of the academic culture and infrastructure, and to spur on a re-examination of institutional priorities and resource allocations, which are essential for the comprehensive reform of undergraduate education," Williams added.

According to Watson, NSF's goal is to encourage the development of instructional modes that:
- emphasize mathematics and science;
- use methods transcending disciplinary boundaries, and
- improve student-teacher interactions.

This emphasis on recognizing and promoting institutional reform of undergraduate education is an extension of the Course and Curriculum Development Program, an NSF program that seeks to prepare a diverse undergraduate student body to become leaders in the information, science, and technology-based society of the future.

Closing date for submissions will be December 4, 1995. Proposals must be submitted by the institute's president. Requests for information should be addressed to the Division of Undergraduate Education, Room 835, National Science Foundation, 4201 Wilson Boulevard, Arlington, Virginia 22230. For more information, call (703) 306-1070.

New Policy Makes Secure Zone Bicycle-Friendly

Those who bicycle to campus or plan to do so during the Olympic summer of 1996 can ride more easily now. Bicycles will now be allowed to pass through the various entry control points (ECPs) during the Village Secure Period next year.

Previously, bicycles were to be left either inside or outside the campus fence but were not allowed to be used both places (i.e., could not pass over the security boundary after the gates had closed). All bikes passing into the Village Secure Zone (VSZ) and the Research Controled Area (RCA) must be checked by security personnel each time entry is desired, so riders should anticipate slightly longer delays at the ECPs. The Village Secure Period will run from July 1 - August 10, 1996. Questions about this change in policy regarding bicycles may be directed to Kurt Aikman at 894-0223.

Student Leaders Vital to Tech Orientation

by Victor Rogers

Leaving home to attend college, especially if home is a small town and the college is in the heart of Atlanta, is a milestone greeted with excitement and trepidation. Georgia Tech's orientation program, FASTE, helps ease the fears of new students and their parents.

FASTE, "Familiarization and Acclimation to the Surroundings and Environments of Tech," is a two-day program that introduces new students to faculty and staff, registers them for courses, familiarizes them with the campus and introduces them to other incoming students. A separate FASTE program designed for parents runs simultaneously.

"Sometimes students at that age are embarrassed because their parents ask a lot of questions," said Tracy W. Wheeler, coordinator of New Student and Parent Programs. Separating the students and parents allows both groups to be more comfortable when asking questions. It also teaches them to let go and accept changes in the parent-child relationship.

Gorgia Tech students serve as FASTE leaders and play a crucial role in orientation. FASTE leaders are upperclass students who undergo two intensive training sessions and must pass a written test covering general knowledge about Georgia Tech. One hundred leaders take turns facilitating the six orientation sessions, which have approximately 350 freshmen each.

Parents' questions usually focus on housing, financial aid, academic support, and campus safety. Incoming students' questions often are more subjective, ranging from extracurricular activities to who is the best calculus professor. Current Geor-

Tech Grads Surf to Successful Careers

Georgia Tech has joined a unique consortium of 20 other universities in a computer network that will improve students' chances of landing their first post-graduate job.

The Southeastern-Atlantic Coast Career Network (SEACNet) is a combined effort of the career services centers of schools in the Atlantic Coast Conference (ACC) and the Southeastern Conference (SEC).

Employers are able to tap into the network to advertise the precise qualifications they seek, and receive responses from candidates matching those qualifications from students at the schools the employer selects, or from all 21 universities.

A corporate recruiter seeking a business major with a 3.0 grade-point average who speaks Spanish and is interested in financial services can receive appropriate resumes that will be electronically transmitted, faxed or sent in hard copy by the career center.

Recruiters have access to all 21 schools through a single "home page" on the Internet and World Wide Web by connecting to http://www.virginia.edu/seacnet.

From the convenience of their own keyboard, employers can obtain information about each of the schools, the degrees offered, and how to use the Career Centers. Students can similarly connect to the system and obtain information about employers' job opportunities, graduate programs at other schools and link to other home page information.

The SEACNet consortium also offers employers the opportunity to conduct video conference interviews. A recruiter can log on a computer equipped with a small video camera at any of the consortium schools, or from his or her own office if the company has video conferencing facilities, and interview students in the career centers at any of the 21 universities.

"We see this as a major breakthrough in the recruiting profession," said John Hanabach, director of Career Services at Georgia Tech. "It will offer an opportunity for students to interview with employers who the student might otherwise be able to see.

Techo pioneered in the use of video conference interviews using satellite technology some eight years ago. While the concept worked successfully, the cost of equipment and usage was high and limited in availability. Students liked the technology, however.

"I would prefer to interview on video," remarked one student, "because the recruiter can't see me sweat!"

"Video conference interviews will be advantageous for small employers who have difficulty in getting to campus," said Hanabach. "It will be effective for students who will be able to interview with companies who cannot visit the campus."
Continual Calendar

Faculty/Staff Toastmasters Club - Tech Thursdays, morning, room 102, Pentagon Building, 7:30 - 9:00 a.m. For more information, contact Margaret Craft, 876-2123 or e-mail mcraft@aveo.com

Women's Therapy Group - Female students meet Wednesday to discuss concerns, build support and expand choices, 12:00 - 1:00 p.m., room 253, Student Services Building. Confidentiality stressed. To join or for more information, call 894-2575.

SEPTMBER 18

"BBI Lead Auditor" ISO 9000 course offered by Georgia Tech Center for International Standards and Quality (CISQ), through Sept. 22, 8:00 a.m. - 5:00 p.m., Wytham Garden Hotel, Buckhead. For more information, call Donna Ennis at 853-0968.

Continuing Education, certificate course, "TCP/IP Network Problem Determination" (COMP 135), Sept. 18-21, fee: $1,995, GT Computer Training Center. For more information, contact Nancy Pinion at 894-9215.

Packaging Research Center NSF Review Luncheon, Richards and Westbrook Galleries, 11:30 a.m.

Registration at the Student Center Ballroom Sept. 16-19.

SEPTEMBER 19

"Co-op Division Welcome Reception" Georgia Tech Robert Ferst Theatre, 11:00 a.m.

Class: Preventing Sexual Harassment (employees). Custodial Services, 1:00-3:00 p.m. For more information, contact Wansley Stallworth at 894-1822.

SEPTEMBER 20

Continuing Education, certificate course, "Fundamentals of TCP/IP Network Protocols " (COMP 140), Sept. 20-22, fee: $995, GT Computer Training Center. For more information, contact Nancy Pinion at 894-9215.

First day of class; Library resumes regular hours The Library is open 8:00 a.m. - midnight Monday-Thursday;

SEPTEMBER 21

GVL Demo Day: 1:30 p.m. - 4:00 p.m., room 259, College of Computing. For more information, call Elaine Swode at 894-9392.

SEPTEMBER 22

Continuing Education, certificate course, "Software Testing" (COMP 132), Sept. 21-22, fee: $995, GT Computer Training Center. For more information, contact Nancy Pinion at 894-9215.

CALL FOR PAPERS

The Electrical Engineering Division of the American Society for Engineering Education (ASEE) is accepting abstracts for papers to be presented at the 1996 annual conference, "Capitol Gains in Engineering Education," slated for June 23-26 in Washington, D.C.

Authors addressing the following topics are of particular interest: curriculum innovations; use of computers and the Internet; and design in the curriculum. Authors are on topics of general interest in electrical engineering education will be considered. All papers submitted for presentation and publication in the conference proceedings must go through a peer review process. Papers not accepted for publication in the proceedings may still be acceptable for presentation at a panel or poster session.

Authors desiring to have papers published in the 1996 Proceedings should submit a 300-300 word abstract to the program chair by October 1, 1995. Abstracts must be received by November 13, 1995. Final papers will be due by January 5, 1996.

COLLEGE OF COMPUTING EdTech will kick off the 1995-96 Lunch and Learn series Wednesday, September 27. Greg Abowd, assistant professor, will be discussing "Classroom 2000: Ubiquitous Computing for the Classroom." The program will be held from noon-1:00 p.m. in the Student Center. All faculty and staff are encouraged to attend. For more information, call Wendy Newsletter at 894-9219.

CONVOCATION

Gail DeSabbato, Georgia Tech's new dean of students, joined President Wayne Clough to welcome incoming students at Tech's second annual Freshman Convocation, Sunday, September 17. Alumnus, Pete Silas, delivered the keynote address. The event concluded as new students joined in song to the sound of the "Ramblin' Reck.

2 September 18, 1995, The Whistle

CAMPUS CALENDAR

Course/Seminar
Conference/Speaker
Meeting
Concert
Art Exhibit
Play/Show
Sporting Event
Campus Holiday
Commencement
Exams
Health/Medical
Special Events

Richards Gallery - Advisory Board Meeting 12:00 p.m.

Class: Listening Skills, Part One, Collee-seum, Rm. 302, International Affairs. 8:30 a.m.-12:30 p.m. For more information, contact Wansley Stallworth at 894-1822.

GVL Arts for Life/Survival Project Robert Ferst Theatre, 7:00 p.m. Order your tickets at the Georgia Tech Box office or call 894-9600. General admission is $25, faculty price; $20 and student price is $15.

Open auditions for Murder Mystery Dinner Theatre 6:00 p.m., Student Center Theater. For more information, contact the Student Center Programs Office at 894-2805.

FASET, continued from page 1

competitive world of student recruitment. Each year more than 350 campus leaders compete for about 50 available slots for new FASET leaders.

"FASET leaders earn $25 a session, we compete to be about 50 cents an hour," Wheel-er said. "They don't do it for the money. They do it because they feel positive about Georgia Tech. They're committed to the incoming students are positive. They care about the freshmen and make sure they get the information needed to be successful here."

Information sessions include Tech traditions, financial aid, academic advisement, class registration, diversity training, and a few social events to allow the students to relax. "We try to introduce the students to situations they may encounter on a campus as diverse as Georgia Tech," said Brent Rawls, a senior majoring in management and a member of the FASET Council.

Meredith Copeland, a senior majoring in industrial and systems engineering, is serving her third year with FASET. As a member of the FASET Council, she meets hundreds of freshmen and works with parents and FASET leaders. She understands the importance of the job, and says the "invaluable reward," of being able to help put incoming students at ease.
Meet Helen Grenda

Full Name: Helen E. Grenda
Age: 57
Occupation: Professor of Materials Engineering and Associate Vice President of Graduate Studies
Current Professional Project: Preparing for retirement
Years at Tech: 29
Education: B.A., Chemistry (Shorter College); Ph.D. Chemistry (Univ. of Virginia)
Marital Status: single
Favorite Book: "The Cat Who..." by Lilian Jackson Brown
Favorite Movie: "The Sound of Music"
Best Advice Ever Received: My parents always said, "Anything worth doing is worth doing right."
This has always guided me even when I haven't succeeded.
Pet Peeve: Dishonesty
When I Was Little I Wanted To Be: A missionary and teacher
What Brought You to Georgia Tech: The opportunity to continue research on metal-gas reactions and the very fine people I had met—plus being close to home. In high school, I was an avid Georgia Tech fan! I even applied for admission back in 1955 or 1956.

State Of The College

Architecture: Construction, Design, and Art, All Under One Roof

The following is the first of "The State of the College," a series highlighting and summarizing the activities of each of Georgia Tech's five colleges within the last year. 95. Dean Thomas Gullion initiated the series by sharing his opinions of the state of the College of Architecture.

Q. WHAT WERE THE COLLEGE'S MOST IMPORTANT ACCOMPLISHMENTS DURING 1994-95?

A. National Standing of Academic Programs

The City Planning Program was rated among the top programs nationally, first in research productivity and first in incorporating technology into its teaching, research and service activities. The Goizueta School of Business of the College of Business captured its 8th place ranking. And in its first ever ranking of graduate architecture programs, the News and World Report rankings rated the Georgia Tech Program 12th in the country.

Q. ARE THERE ANY ISSUES/CHALLENGES IN NEED OF IMMEDIATE ATTENTION?

A. Key issues and challenges facing the College involve resources. While the College has been able to add new fac-

ulty, almost all of these positions are replacement positions. Recent appointments will not reduce the city's need for new faculty.

Q. WHAT DO YOU HOPE TO ACCOMPLISH DURING 1995-96?

A. College Programs/Centers:

- Completion of searches for the director positions in the Building Construction Program and the Programs in Architec-

ture;

- Implementation of a year-long, comprehensive project with the University of Georgia in geographic information systems and with Georgia State University in Atlanta's neighborhood revitalization;

- External review of the Building Construction Program;

- Finalization of strategic plans in Information Technology, Continuing Education, the Center for Rehabilitation Tech-

nology, and in the Visual Arts and Music;

- Implementation of recommendations for the Building Construction and Industrial Design reviews, and

- Implementation of the business plan for the Center for Construction Research.

Special Initiatives:

- Initiate a new course series with the Atlanta Committee for the Olympic Games for students at Tech relevant to the special design and construction demands of the games.

- Completion of training in Information Technology, and the creation and filling of a position for a director of the College's continuing education program.

- Initiate of the College's involvement through its Development Council in the Institute's Capital Campaign.

- Implementation of the recently approved Reappraisal, Promotion, and Tenure document for the College of Architec-

ture.

Q. WHAT ARE YOUR LONG-TERM GOALS FOR THE COLLEGE AND YOUR THOUGHTS ON TECH'S FUTURE?

A. We envision the college as becoming one of the premier design colleges in the world.

To advance this vision, the college must position itself as a leader nationally and internationally in defining the indigenous and supranational qualities of world cities, using the urban laboratory of metropolitan Atlanta.

The college must also assume a lead role in redefining the relationships to technology in American art and design education and research.

Because many people at Tech are still not aware that the College consists of programs such as city planning, building construction, industrial design, music and the visual arts, in addition to architecture, the College intends to make visible its full identity as a comprehensive design, building, and arts school and to continue to strengthen its special role and responsibility in advancing Tech in these areas.

I was fascinated by the imagery provided in President Clough's inauguration that showed the physical and simultaneous growth of Tech, the campus, the evolving skyline of Atlanta, and the emergence of the city and the institution in the larger, global world.

I am convinced, because of its history, Tech holds a unique and enviable position among American universities. I am also convinced that 10 years from now we will look back to the continuation of this history of synergism of Tech with the built environment of its campus, its immediate residential and commercial environments of Midtown and Downtown, and the emergence of Atlanta as a new world city.
World Class divers test their skills during the IX Diving World Cup competition, held at the Aquatic Center, September 8-9. The Atlanta Committee for the Olympic Games (ACOG) will be turning the Center over to Georgia Tech for use this fall. Watch for your invitation to the September 29 campus opening in next week's Whistle.