

# THE WHISTLE

GEORGIA INSTITUTE OF TECHNOLOGY

VOLUME 19, NUMBER 12 - NOVEMBER 28, 1994

## Tech Brings Good Things To Light and Life

When we think of light, we generally think of finding our way to the bathroom in the middle of the night, the burned out floodlight over the garage or maybe, adjusting the visor in our car to block the early morning or late afternoon sun. At the first College of Sciences' fall lecture, it became clear that Dean Gary Schuster thinks of light in a much different way.

Schuster has spent much of his professional life studying light and the products of its resulting chemistry. He is, by definition, a photochemist. Schuster's research activities, supported by the National Institutes of Health and the National Science Foundation, focus on the interaction of light with organic compounds. He also studies the use of photochemistry in information storage and retrieval.

The fall lecture series kicked off October 28 with a topic common to everyone: Light and Life. The new dean condensed a lifetime of professional understanding and curiosity into a one-hour presentation that informed laymen and scientists alike. The standing room only crowd was given just enough to whet their appetites for more on photochemistry.

The first part of the Light and Life lecture focused on the difference between thermal chemistry and photochemistry. In thermal chemistry, a starting material is transformed into a resulting product after it's heated. In photochemistry, a starting material is transformed into a product after the introduction of light.



Gary Schuster, dean of the College of Sciences, gave a new perspective on light during his speech to a standing room only crowd at the first College of Sciences' fall lecture.

In the photochemical process, light is absorbed by the starting material, a molecule is activated and a reaction occurs. During the reaction, there is an electron transfer, bonds are made or broken, or there is a fluorescence or phosphorescence.

And while some photochemical processes take a lifetime to understand, there are those that we can readily recall: the growth of plants known as photosynthesis, almost all life on earth depends on this process for energy; vision; sunburn and any resulting skin cancer; photography; and everyone's childhood favorite, lightning bugs.

As mentioned, the first part of the Light and Life lecture was for laymen, the second part for scientists. The starting equation

$A + \text{light} = \text{product}$  actually turned out to be  $n(\text{CO}_2) + n(\text{H}_2\text{O}) + \text{light} / \text{Green Plant} = (\text{CH}_2\text{O})_n + \text{light} = n(\text{O}_2)$  (carbohydrate).

The next lecture in this series will be given by Dr. William Chameides, professor of Earth and Atmospheric Sciences, on December 2, at 3:00 p.m. in the Griffin Ballroom, Alumni Faculty House.

## President Revamps Budget Process

The Internal Resource Allocation Advisory Committee (IRAAC) is getting a new mission and a new name before year end. President Clough met with IRAAC November 16 to discuss plans to reconstitute the board to assume more of an advisory role.

IRAAC was established about four years ago by former Tech President Crecine. Its focus was on allocating funds, that come to Tech from the Board of Regents, to individual campus units.

Based on his experience at other institutions and input from people at Tech, Clough felt IRAAC was too limited and too narrowly focused.

With IRAAC's full support, the newly named Institute Budget Committee (IBC) will review unit budgets and determine what Tech needs and prioritize those needs. However, the IBC will not determine how much money each unit receives. The IBC will send its list of priorities to the president and he will allocate money to individual units, based on requests and the IBC list of priorities.

Despite the changes within IRAAC, the unit budgeting process will not change.

Another fundamental change in the IBC will be tracking the Board of Regents' allocation process and the appropriation process from the Governor and General Assembly, and advising the president.

To help in that charge, Andrew Harris, special assistant to the president, will be added to the IBC. Harris works closely with the legislature and the Governor's office.

In addition to Harris, the composition of IBC will change somewhat, although it has not been completely determined how. Mike Thomas, executive vice president, will continue as chair, a dean and a student director may also be added. Currently, IRAAC consists of Thomas; Bill Ray, senior vice president, Administration and Finance; Linda Martinson, vice president, Finance and Budget; Roger Wehrle, vice president, Student Services; Jim Murphy, chief financial officer, Athletic Association; Jim Langley, vice president, External Affairs; Tim Gilmore, vice president, Strategic Planning; Robert Hawkins, dean of Ivan Allen College; an undergraduate student and alternate; a graduate student and alternate; and a staff member and alternate.

## Tech Kicks Into Empty Stocking Fund

A message from Iris M. Simmons, Counseling and Career Center

Georgia Tech's Employee Advisory Council (EAC) has joined a 67-year-old tradition to make sure needy children don't go empty handed this Christmas. We need your help.

The EAC is working with the Atlanta Journal-Constitution and the Atlanta Jaycees on the Empty Stocking Fund.

The Atlanta Empty Stocking Fund began in 1927 as a community campaign of employees of the Atlanta Journal-Constitution. The "unorganized cheerful givers" began collecting funds to help fill the hearts of underprivileged children with joy at Christmas-time. The Atlanta Jaycees joined the team in 1943 and in 1971 the two organizations incorporated their fund-raising efforts as a not-for-profit organization.

This is the first year Tech will participate in the fund. Georgia Tech's Student Services Division staff are also helping in the effort by either contributing their time, either as a group or individually, on Drive Day or other positions.

While the Empty Stocking Fund (ESF) cannot expect to give some of the more expensive items, they do purchase large quantities of new, educational and entertaining toys, clothes and games, for children up to 17 years of age.

Based on a list provided by the Department of Family and Children Services (DFACS), eligible families in Fulton and DeKalb Counties are invited by letter to select gifts for their children at the ESF store.

More important than the gifts provided, is the family pride and spirit passed between parent and child on Christmas morning.

The Georgia Tech Bookstore and all the stores in the Tech Mall will have a canister at every register and a poster to explain the drive. ARA will also have canisters at the Student Center Cafeteria, First Place, Brittain dining hall, and Woodruff dining hall. Junior's Cafe will conduct a roundup similar to Kroger's efforts for flood victims.

On December 5th, Georgia Tech volunteers will be at five MARTA stations with canisters for the ESF. Each volunteer will spend about an hour at MARTA's train stations. ESF will present a check to the Empty Stocking Fund, Inc. at the December Kuppenheimer Classic football game between Georgia Tech and Louisville at the Georgia Dome.

Organizations or offices joining Tech as volunteers are: Interfraternity Council, National Society of Black Engineers, Admissions, Bookstore, Career Services, Counseling and Career Center, Enrollment Services, Financial Aid, Junior's, Student Athletic Center and Special Programs. The Georgia Tech faculty and staff are also asked to participate by sponsoring a child for \$6.50. Participants will receive a stocking to display at their office. Flyers will be sent to all employees.

To help the Empty Stocking Fund or sponsor a child, please call Iris M. Simmons at 894-2576.

## Tech, SciTrek Offer Hands-on Teacher Training

You may know that kids come to SciTrek to have fun and learn about science, but did you know that teachers do the same thing? Georgia Tech's Center for Education Integrating Science, Mathematics and Computers (CEISMC), in cooperation with SciTrek, recently provided 16 elementary and middle grades with new science education content and ideology to take to their schools to establish a hands-on, minds-on science classroom.

The professional development workshop, "Exhibits as Teaching Tools," encouraged teachers to involve their students with hands-on activities in the learning process. During the first week of the workshop, teachers spent their mornings in class at Georgia Tech

where Joe Meyer, a physics professor, explained scientific theories and the equipment he uses to demonstrate the concepts. Later, teachers went to SciTrek where they built projects to demonstrate in their own classrooms. The second week of the workshop allowed teachers to practice what they had learned and continue designing and constructing demonstration materials. Throughout the year, professors from CEISMC and educators from SciTrek will visit the teachers to evaluate how the workshop helped them in their teaching progress.

For more information about future workshops or events call CEISMC at 894-0777.



## PEOPLE IN THE NEWS

## SCHOOL OF MECHANICAL ENGINEERING

**Deborah K. Beattie** and **Jean E. Davis**, Ph.D. candidates, received scholarships from the Atlanta Chapter of Achievement Rewards for College Scientists (ARCS). Recipients must be academically outstanding U.S. citizens studying the natural sciences, medicine or engineering.

## THE COLLEGE OF ARCHITECTURE

**Jean Wineman**, associate professor of Architecture, has been named director of the Doctoral Program. Wineman has served as interim director since 1992. Her appointment came as the result of an extensive national search; **Arnall T. Connell**, professor of Architecture, retired this summer after 27 years of teaching and service to the College. **Nancey Green Leigh**, (Ph.D., Berkeley), was named an associate professor, city planning.

**Visiting faculty:** **Christopher Jarrett** (M.Arch., Columbia); **Bruce Lonnman** (M.Arch., M.C.E., Cornell); **Tahar Messadi** (D.Arch., Michigan); **Gilbert Rampy** (M.Arch., Princeton); **Jim Oliverio**, visiting professor of music and composer in residence.

President Clough appointed the following people to the Strategic Planning Reconciliation Committee: **Gary Poehlein**, vice president, the Office of Interdisciplinary

Programs, chair; **J. Narl Davidson**, associate dean, College of Engineering; **Thomas N. Debo**, associate dean, College of Architecture; **Lanny Feorene**, director of Industrial Programs, Office of Interdisciplinary Programs; **Amelia R. Gambino**, director, Office of Publications, External Affairs; **Richard J. LeBlanc**, associate dean, College of Computing; **Linda Martinson**, vice president, Planning, Budget, and Finance; **Carole E. Moore**, assistant vice president for Student Services; **John C. Nemeth**, head, Environmental Science and Technology, GTRI; **Gregory H. Nobles**, associate dean, Ivan Allen College; **Anderson D. Smith**, associate dean, College of Sciences.

President Clough appointed the following people to the Strategic Planning Task Force: **Jerry Dark**, associate vice president, Human Resources; **Andrew Harris**, special assistant to president; **John Jarvis**, director academic, ISYE; **Jim Meindl**, Pettit Chair professor of Microelectronics; **Jim Murphy**, chief financial officer, Athletic Association; **Gary Poehlein**, vice president Interdisciplinary Programs; **Catherine Ross**, special assistant Dean Architecture; **John Staton**, alumni representative; **Kristy Wentz**, assistant to the Dean Ivan Allen College; **Kevin Morgan**, vice president, Student Government Association; **Thomas Galoway**, dean, College of Architecture; **Miriam Drake**, dean

and director of Libraries; **Bob Hawkins**, dean of Ivan Allen College; **Charles Liotta**, professor of Chemistry; **Shirley Mewborn**, Foundation Board member; **George Nemhauser**, Institute professor, ISYE; **Bill Ray**, senior vice president, Administration and Finance; **Gary Schuster**, dean, College of Sciences; **Rich Steele**, director, Student Center; **Kevin Almeroth**, president, Graduate Student Association; **Peter Freeman**, dean and CIO, College of Computing; **Barbara Hall**, associate vice president, Enrollment Services; **Wayne Hodges**, special assistant to the president, ATDC; **John Meadors**, director, GTRI; **Carolyn Meyers**, associate professor, Mechanical Engineering; **Bob Pierotti**, dean academic, College of Sciences; **Jim Foley**, professor and director GVI Center, College of Computing; **Cedric Stallworth**, assistant director, OMED; **Dick Truly**, vice president, GTRI; **Greg Foster**, president, Student Government Association; and **John White**, dean, College of Engineering.

## DID YOU KNOW

## GTRI Support Team Relocates To Centennial Research

The GTRI Personnel Support Team has moved from the Coliseum Annex to the main floor of the Centennial Research Building. The main number is 894-2356. Staff members are: Eunice Glover, manager, 894-6972; Mary Austin, personnel representative, 4-2880; Linda Davis, operations office, 4-0249; Cathy Dunnahoo, personnel representative, 4-6214; Linda Hunnicutt, operations office, 4-2345; Debra Lee, personnel representative, 4-2233; Valli McNear, hiring package coordinator,

894-2290; and Marianne Thompson, operations office, 4-2337.

## Holiday Food Drive Begins This Week

A Holiday Food Drive sponsored by the Student Center MOVE (Mobilizing Opportunities for Volunteer Experience) Committee for The Atlanta Community Food Bank will be conducted November 28 through December 12. Please drop off non-perishable foods at the Community Service Office, 2nd floor of the Student Center (next to the MacIntosh Lab) or in the Programs

Area, 3rd floor of the Student Center. For more information call Susan 894-2805.

## 1995 Holidays Announced

Official 1995 Georgia Tech holidays are:  
January 2 - New Year's Day  
January 16 - Martin Luther King, Jr.'s Birthday  
May 29 - Memorial Day  
July 4 - Independence Day  
September 4 - Labor Day  
November 23, 24 - Thanksgiving Break  
December 25-29 - Winter Break


## Radiation Safety Classes Scheduled In January


The Quarterly General Training Class in Radiation Safety will be held on Thursday, January 12 in Room 118 of the Neely Nuclear Research Center from 3:00 p.m. to 5:00 p.m. Please send any members of your staff and students who will be working with radioactive materials or radiation generating devices to this class.

To enroll, or if you have any further questions, call Arlene at 894-3602.


## CAMPUS CALENDAR


## NOVEMBER 28


 Georgia Tech's Women's Basketball versus Furman, Alexander Memorial Coliseum, 7:30 p.m.


 "Arts for the Parks Top 100," national exhibition of paintings commemorating the wildlife, landscape, and history preserved in the National Park System. Through December 16 at the Richards & Westbrooks Galleries, Center for the Arts. For more information, 894-2805.

## NOVEMBER 29

 **EduTech Design Group** meeting, noon to 1:30 p.m., room 319, Student Center. Everyone is welcome to participate. For more information call Barbara Durham at 894-3807, e-mail: barbara.durham@cc.gatech.edu.


 **The 1994 Winter Craft Fair** sponsored Student Center Crafts Center and Arts Committee, in the Student Center Lounge areas through Thursday, December 1. The hours of the Fair are 10:00 a.m. to 5:00 p.m. For more information call Boyd Beckwith at 894-2805.


 **The Little Red Schoolhouse**, writing course, 11:00 a.m. to noon in Skiles Building, room 253. For more information call Dr. Donnell at 853-9499.


 **The Reality Condom Van** is coming to Georgia Tech. A representative from Reality


Female Condoms will be at the Student Health Center's Wellness Center Conference Room from 11:00 a.m. to 3:00 p.m. This representative will answer questions and provide information about female condoms which help protect women from pregnancy and sexually transmitted diseases including AIDS. For more information call 894-2625.

## NOVEMBER 30


 **EduTech Lunch & Learn**, noon - 1:00 p.m. Follow up to November 16 presentation. For more information call Barbara Durham at 894-3807, e-mail: barbara.durham@cc.gatech.edu.

 **Georgia Tech Club luncheon** meeting is being held in the Griffin Ballroom of the Alumni Faculty House beginning at 11:30 a.m. The speaker will be Lawton Hydrick of the Athletic Association. For more information call Rich Combes at 894-4261 or e-mail rich.combes@gtri.gatech.edu.

 **The Georgia Tech Chorale and Vocalities** will be performing a Holiday Sing at 6:45 p.m. in the Peachtree Road United Methodist Church. Admission is free. For more information call Bucky Johnson at 894-3193.


 **Women's Therapy Group.** Female students discuss concerns, build support and expand choices. Confidentiality stressed. Meets Wednesdays from noon to 1:00 p.m., room 238 Student Services Building. To join or for more information call 894-2575.


## DECEMBER 1

 **GVU Brown Bag Series:** "Information Visualization and Virtual Reality," Bill Ribarsky, Walter Patterson & Jay Bolter, noon, room 102 A/B, MiRC (Pettit Building). For more information call 894-9392, e-mail elaine@cc.gatech.edu.


 **Faculty/Staff Toastmasters Club - Tech-Masters** - meets Thursday mornings, room 102 MiRC (Pettit Building), 7:30 - 9:00 a.m. For more information call Richard P. Kenan at 894-4702 or e-mail: dick.kenan@ee.gatech.edu

## DECEMBER 2


 **The Georgia Tech Chorale and Vocalities** will perform a Holiday Sing at 8:00 p.m. in the Robert Ferst Theatre of the Georgia Tech Center for the Arts. For ticket information call 894-9600.

 **Georgia Tech Library** Hours during exams are 8:00 a.m. to 9:00 p.m.


## DECEMBER 4


 **Georgia Tech Library** hours during exams are noon to 2:00 a.m.


## DECEMBER 5

 **Georgia Tech Library** hours during exams are 8:00 a.m. to 2:00 a.m.


## DECEMBER 6

 **EduTech Design Group** meeting. See November 22.


 **Georgia Tech Library** Hours during exams are 9:00 a.m. to 9:00 p.m.


 **KIDS Club Workshop** in the Instructional Center from 9:30 a.m. to 12:30 p.m. Sponsored by the Center for Education Integrating Science, Mathematics and Computing (CEISM). For more information contact Jan Burdette at 894-5796.

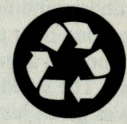
## DECEMBER 7

 **Georgia Tech Library** hours during exams are 8:00 a.m. to 2:00 a.m.

## DECEMBER 8

 **The Georgia Tech Department of Chemistry and Biochemistry** presents Dr. Mark Fink, who will be speaking about Catalytic Formation of Polysilanes: An Approach to Silametallic Chemistry. For more information, contact the department at 894-4002

 **Faculty/Staff Toastmasters Club - Tech-Masters** - meets Thursday mornings, 7:30 a.m. - 9:00 a.m. See December 1.



Printed on recycled paper



## WHISTLE

Amelia Gambino .....Interim Publisher  
Sallylyn Hogsd .....Editor-in-Chief  
David Arnold .....Managing Editor  
David Kennedy .....Staff Writer  
Toni Mills .....Staff Writer  
Victor Rogers .....Staff Writer  
Gary Meek .....Photographer  
Stanley Leary .....Photographer  
Publication is weekly throughout the academic year. Deadline is Thursday 5:00 p.m. 11 days before publication date. Address: Media Relations, mail code 0181 (Wardlaw Center, 177 North Avenue), 894-8699. Tech computer users may file news items with the Media Relations office by sending electronic mail addressed to sallylyn.hogsd@vpea.gatech.edu. The Whistle is available as a resource on the Georgia Tech Network. ACME users simply type "gopher" at the standard UNIX prompt. Look in the "Daily News Section" and you will see The Whistle. All others can connect to the standard campus gopher server on port 2048. For assistance with gopher, contact the Office of Information Technology Help Desk at 894-7173.  
Cost/\$350 Copies/4,500

Georgia Tech Media Relations  
Wardlaw Center  
177 North Avenue  
Atlanta, Georgia 30332-0181

## ADDRESS CORRECTION REQUESTED

Georgia Tech is a unit of the University System of Georgia



# The State of the Institute Address

*Editor's Note: President G. Wayne Clough presented the following speech, November 18, 1994, at the Tech Today luncheon, sponsored by the GT Alumni Association.*

Fellow alumni, faculty, students, and distinguished visitors. I am pleased to be with you today to bring to you the State of the Institute Address. A year ago, I had no expectation of having this opportunity. Yet I knew then that I would be here on this day. In fact, I knew 10 years ago I would be here on this day. Because 10 years ago, I found myself unable to join my classmates for our 20th reunion, and I vowed then that I would be here for my 30th reunion. And so it is, that tomorrow night, my fellow members of the class of 1964 and I will celebrate our 30th reunion.

The State of the Institute Address provides the opportunity to assess where you are and measure where you should be. As we think about where we are, I note that I have no claim to the many accomplishments that can be cited for Georgia Tech as I have been gone from campus for 30 years. And, although during that time Georgia Tech meant much to my development, I had little effect on Georgia Tech's growth. Credit goes to those whose efforts were applied to the task. I wish to acknowledge as prominent among those, my immediate predecessor, John Patrick Creane, who served as the ninth president of Georgia Tech. His tenure will be remembered for its energy and vision, and his contributions will be important to our future. I know we all thank him for the work he did for Georgia Tech and wish him well.

As a good engineer, my instinct — when I am up against something new — is to take it apart and learn how it ticks. In my first State of the Institute Address I will begin by looking at the component parts that make up the Georgia Tech of today. Then I will tell you my thoughts on how these pieces can fit together to create a shared vision of the greater Georgia Tech of the future. My focus will be on Georgia Tech's key parts — students, faculty, staff, alumni, and administration.

## HIGH QUALITY STUDENTS

By almost any measure, we find evidence of the quality of our students. The results speak for themselves. With an average score of 1233, this year's entering freshman class has the highest SAT scores of any public university in the country. We also rank first in the number of freshmen National Merit Scholars attending a public university with 109 of those scholars choosing to attend Georgia Tech. In addition, our co-op program is number one, and is the largest voluntary program of its kind in the country.

Today, we enroll 3,688 graduate students and 9,213 undergraduate students. While we continue to maintain a large undergraduate program, 1994 illustrates the maturation of our graduate program. This year we graduated the highest number of Ph.D. and M.S. degree students in our history — 202 Ph.D. degrees and 1061 M.S. degrees to be exact.

Our graduates increasingly reflect the population of our country and region, an essential development to our future success. We can be proud that Georgia Tech ranks first in the nation in the numbers of engineering degrees awarded to African American students and second in terms of engineering degrees awarded to all minorities. Even so, there is much room for improvement, and I join you in our commitment towards greater diversity in our student body.

We can also be proud that more than 25 percent of our students are women, a considerable improvement over the 2 percent who were here when I was an undergraduate in the 1960s. Although we should be pleased that the number of women attending Georgia Tech continues to increase, the professions represented on our campus lag behind others that used to be predominately male. For example, last year as provost at the University of Washington, I was struck by the fact that women made up 70 percent of the College of Pharmacy, 50 percent of the College of Medicine, and 60 percent of the Law School. These statistics are not greatly different at our neighboring universities in Georgia. As a technological university it is up to us to see that our professions are open and hospitable to women as well.

While bare statistics tell us some things about our students, we do them no service if we ignore their broader accomplishments. Alongside our faculty and staff, thousands of Georgia Tech students give of their time in community service. From the 1,500 member Georgia Tech Olympic Committee volunteer work force to the 84 tutors in the Techwood Tutorial Program, the enthusiasm and dedication of the Georgia Tech community are far-reaching and express themselves in a wide array of service activities.

Our students also find outlets for their talents by participating in over 200 clubs and organizations. In fact, more than half of our student body population participates in extracurricular activities. One example of the success in this area is provided by our symphonic band, which this year was the only such collegiate group asked to perform at the Georgia Music Educator's Annual Conference.

Many of our intercollegiate teams have achieved successes we could only dream about a decade ago. Last year our student athletes in baseball and golf captured ACC titles (golf for the fourth year in a row), with the baseball team going on to win the NCAA Western Division and ending their quest just one game short in the finals of the Collegiate World Series. This fall, our women's volleyball team tied for the top spot in the ACC, during the regular season.

But even more important than a winning record, we take pride in our student athlete graduation rate. Year after year, the NCAA ranks Tech in its list of top 12 schools in the U.S. for football player graduation. Dr. Homer Rice is to be commended for all the

work he has done for our student athletes; we are lucky to have him.

As is likely apparent, my impression of the student "part" of our Institute is positive and we have much evidence to support this assertion. However, there is no room for complacency: we have clear challenges ahead. In addition to issues of diversity in our student body, we will be increasingly asked to fulfill student needs for engineering and related technical education in areas of Georgia outside of Atlanta.

## FACULTY AND STAFF

Our faculty lie at the heart of our enterprise. They are the main spring of our mechanism and can claim a large part of the credit for the recent recognition attained by Georgia Tech in national rankings.

Although many of our faculty hold national honors, I'd like to single out two as representative of the larger faculty who received special recognition this past year. Dr. Ron Schafer is our John O. McCarty Chair in the School of Electrical and Computer Engineering. Ron has been with Georgia Tech since 1974, and was recently named to the National Academy of Engineering. Membership in that august society is the highest professional distinction for engineers. It is also pleasing to see our faculty outside of engineering recognized for their national prominence. Dr. Mostafa El-Sayed, a member of the National Academy of Sciences has recently joined Georgia Tech as the Julius Brown Professor of Chemistry and Biochemistry. We are honored that he has come here from UCLA.

While our senior faculty are winning honors, I would be remiss if I did not note the strength developing in our young faculty. Forty of the young faculty serving today have received Presidential or National Science Foundation Young Investigator Awards, and three are recipients of the prestigious Presidential Faculty Fellow Awards. This bodes well for our future.

In addition to improving their national visibility, our faculty also are among the most entrepreneurial in the nation. The extramural research volume generated at Georgia Tech has now reached almost \$170 million and this can be directly attributed to the hard work of our faculty. Our 1,500-plus academic and research faculty in all five of our Colleges and the Georgia Tech Research Institute are engaged in energetic and creative research enterprises — which produce concrete results for government, business and industry, as well as providing an excellent training ground for Tech's student body.

We could measure our faculty in other ways, but these I have cited illustrate the positive growth in our faculty reputation due to a commitment to quality and productivity.

My goal is to continue to bring to Georgia Tech new faculty who have the talents and motivation to teach and conduct research at the highest levels.

Our staff represent the glue that holds our institutional pieces together and keep us operating as a system. Nothing works without their efforts. Georgia Tech was recently ranked by *U.S. News and World Report* as one of the most efficient universities in the country, a recognition that directly reflects our staff contributions. The future will place even greater demands on our staff in the face of technological advancement and developments in the information age. We will provide additional training to help adjust to these changes. At the same time, human relations remain paramount if we are to succeed. I will ask our staff to work on improved communication and greater reliance on finding common ground in dispute resolution.

I am committed to assuring our staff that we will work to achieve a fair and open environment for each person to be productive. In part, this can be done through the continuous improvement process that is under way in parts of the Institute. We will move forward with vigor in this endeavor.

## THE BEST ALUMNI IN THE NATION

Alumni represent yet another major thread of the Institute fabric. Those of us who are alumni and have lived outside of Georgia often find ourselves explaining that Georgia Tech is not a private school. How did such a notion develop? Part of this perception is created because our alumni are such dedicated supporters of this institution — in this, they are more like those of private school graduates than public school graduates. Georgia Tech is fortunate to have some of the most loyal and supportive alumni in the country. Our alumni give to the Roll Call, our annual fund, at a rate of 33 percent. To the best of our knowledge, that is the highest percentage for any public institution in the entire nation. The alumni also vigorously work to find and provide scholarship funding for the best and brightest of the students in this state and outside of it.

Our alumni work with the Institute in giving targeted funds to support key areas of need. A prime example is the Class of 1969. This group has pledged to underwrite the Teaching Fellows Program, which gives financial support to untenured faculty and gives these beginning teachers a forum for advice, support, and continuing education. Their gift is a generous one and benefits both the students at Tech and Tech's young faculty.

One other alumni story concerns another type of giving. In fact, this \$5 million gift matched Tech's highest monetary gift ever. It was given by alumnus Tom E. DuPree, Jr., and establishes the new DuPree Center of Entrepreneurship within the Ivan Allen College. Through this gift, we are able to move quickly towards a long term goal to provide business education that supports the modern era of technologically driven enterprise.

The final part of our system I will examine is the administration. In the last few years, this part of Georgia Tech, fairly or unfairly, has been buffeted by ill winds from financial manage-

ment and human resource audits. These problems have detracted from the overall good work done by the administration. Although some negative perceptions remain, efforts by our people have addressed many of the issues that caused the problems. I am committed to continuing our improvement and making our administration one that is as good as the students, faculty, staff, and alumni it serves. We will accomplish this with a lean and aggressive organization that will hold itself accountable to the highest standards.

With the completion of our examination of the parts of the Georgia Tech enterprise, I conclude we have the elements of a system that can run reasonably well as they are. Indeed, as opposed to many of our fellow institutes of higher education, we are blessed by the prospect of positive support from Governor Zell Miller and a legislature who have demonstrated their commitment to higher education. We also have the assistance of a new Chancellor of the University System of Georgia and a supportive Board of Regents. Even if we exercise minimal creativity and effort, some good will come our way. However, we will betray our possibilities unless we assemble the pieces of our enterprise so they can be more than the sum of the parts. With this noble goal in mind — to borrow an Olympic metaphor — we will go for the gold.

To create the Institute of the future, we have to ask, and answer a series of fundamental questions:

- What is our vision for the future?
- Should we continue to grow, or are there limits to our future size?
- How will we participate in state-wide delivery of technological education given expected growth in student populations and development of new delivery systems such as distance learning?
- Within our mission, how can we maintain and enhance our traditional strengths and, at the same time, play a major role in important issues of the future such as biotechnology; the public policy and ethics of technology; sustainable development; and creative endeavors in a technological world?
- How will we utilize the exciting new facilities legacy from the Olympics?
- How will we participate in the emerging new environment coming from the exciting developments in educational technology?
- What will Georgia Tech do differently to better utilize its existing financial and human resources?
- Where will we obtain the funding to allow us to achieve our aspirations for national and international prominence and improved delivery of education to our students?

I call that Wayne Clough's pop quiz for the future.

All of these questions will be answered, either for us, or by us. I submit that if it is the former, we at best will win the bronze medal. If it is the latter, we can — and will — win the gold.

## ACHIEVING THE SHARED VISION

We are embarking on the process of addressing these fundamental questions through a strategic planning effort from the Institute-wide perspective. Our Strategic Planning Task Force is in place and is being supported by a Reconciliation Committee designed to distill the thoughts and ideas in the many existing unit plans. All of the shareholders of the Institute are involved, including students, faculty, staff, and alumni.

We have begun working together to create a shared vision for the future of Georgia Tech.

Next year at this time, I will bring to you this vision and its supporting goals and plans. I also promise that we will not stand still while we are planning since there is too much to risk by doing nothing.

In developing our strategic plan, we will answer the fundamental questions posed earlier. In an unconstrained environment, the possibilities are almost limitless, and as the swamp philosopher, Pogo, observed, we will be surrounded by insurmountable opportunities.

We have begun developing guiding principles. A starter set would include:

- Set high goals that will lead Georgia Tech to realize greater national and international visibility.
- Insist on the highest quality attainable in the education we provide for our students.
- Look to new avenues to encourage self-learning by our students while providing for more effective use of faculty time in the learning process.
- Seek an environment that encourages creativity at all levels.
- Focus use of resources to the key missions of the Institute with allowances for flexibility in application.
- Identify resources needed within the context of the goals and link these to sources that can be developed over the plan's life.
- Improve collaboration with state and other institutions of higher education; work within the basic guidelines of the developing Board of Regents' Strategic Plan.
- Recognize all successes are people based; we need the best and should have systems that allow maximum use of their energies.
- Build on our traditions, while not being bound by the past.

The next year will be an eventful one for all of us. I make the commitment to you that if you work with me, no one will work harder than I in leading Georgia Tech to its rightful future.

As we stand together, you will find me a joyful warrior in this journey, for I am humbled by the opportunity handed to one born of Georgia soil and educated on these grounds.

Thank you.



## AUTOMOBILES

1986 BMW 325e, 4 DR, 5-speed, fully loaded, excellent condition, \$7,000, OBO. Call Ajit 894-2849 (W) or 939-1535 (H)

1986 Nissan Stanza GL, 82,000 mi., 4-DR, auto, air, cruise, PS, PB, PW, PL, AM/FM cassette, rear defrost, original owner, garaged and well maintained, exceptionally clean, runs great, \$3,900. Call Milt 853-0482 or e-mail: milton.stombler@cos.gatech.edu.

1990 Nissan 240Z, 5-speed, excellent condition, A/C, new stereo cassette, 59,000 mi., \$7,500 firm. Call Morris 593-1708 or e-mail: morris.power@po.gatech.edu.

1988 Chevrolet Caprice Sedan, 80,000 mi., loaded, great condition. Good safe commuter car or family mobile, \$4,900. Call Mark 528-7635, 263-9399 or e-mail: mark.cinard@gtri.gatech.edu.

1984 Honda Accord LX, automatic, gray, 4 DR, new tires and mufflers, \$2,800, OBO. Call 552-8029.

Ford Courier truck, excellent mechanical condition, reliable work truck, 55,000 mi., \$1,000. Call Gary 894-5158.

1986 Ford Tempo, 2-DR, manual transmission, A/C, AM-FM cassette, tinted windows, 105,000 mi., runs great, very good condition, \$1,995. Call Christy 853-0748 (w) or 908-1793 (h), or e-mail: cballard@ea.gtf.gatech.edu

1983 Lincoln Towncar, triple blue, 170,000 mi., automatic, A/C, PS, PB, power windows, driver side 6-way power seat, leather, well maintained with records, runs well, very good condition. \$1,950. Call Lee at 894-9621 (w) or 979-2395 (h), or e-mail: lee.hughey@gtri.gatech.edu.

1967 Triumph TR4A, 10,000 mi. since complete mechanical and aesthetic restoration in 1989. BRG, live axle, steel wheels, reliable and fun to drive. Owned the car for 18 years, \$6,500. Call Dave Roessner 894-6821 or e-mail: david.roessner@pubpolicy.gatech.edu.

1982 Honda Accord 4 DR., automatic, A/C. Paint faded, but excellent mechanical cond. New in last 6 months: alternator, regulator, brake master cylinder, brake pads and rotors, two half shafts (CV joints). Have owned 10 years, all maintenance records avail. \$2,000. Call Chuck at 43876 or e-mail: chuck.lampman@gstrf.gatech.edu.

## COMPUTER EQUIPMENT

486DX-50 Medium Tower, 8 Meg RAM, 130 Meg HD, 256K Cache, 8 slots, 3.5 & 5.25 floppy drives, SVGA, IBM Proprinter X-24, mouse, DOS, Windows 3.1, Word-perfect for Windows, \$1400. Call Tom 894-7220 or e-mail: thomas.pratt@gtri.gatech.edu.

HP Omnibook 300, 80 meg hard drive, built-in Mouse, Windows, Word, Excel, charger, less than 6 months old, all manu-

als, \$675, OBO. HP 95LX Palmtop, upgraded to 1 meg, \$375, OBO. Sharp Wizard 128 KB, great organizer, PC link, \$125, OBO. Call 373-3077 or 533-6834.

## FURNITURE

Commercial Office Desk, 34 in. x 60 in., all wood. Has file drawer plus 5 other drawers. Vintage 1950. Call Jerry 853-9600 (w).

Dining room set, solid mahogany table w/leaf, seats 6; 4 matching mahogany upholstered chairs and matching mahogany china cabinet; contemporary design; \$700. Call Janice Porter 894-3401 (w) or 943-4856 (h) or e-mail: janice.porter@gtri.gatech.edu.

Solid mahogany dining room table, with leaf on double pedestal base, \$225. Call Phillip 894-8705.

Solid wood dining table with large leaf, good condition, will seat six to eight, \$75 or best offer. For information call Gayle 894-9410 (w) or 621-0808 (h) or e-mail: gs25@acme.gatech.edu.

## REAL ESTATE

House for Lease: Available January 1, 1995. 4 BR, 2 1/2 BA, John Wieland home with Gwinnett County schools. Easy access to Hwy 78. Formal LR, DR, FR, with fireplace, large kitchen with breakfast area, 2 car garage, deck on wooded corner lot. Quiet neighborhood with two of the

connecting streets being cul-de-sacs for safe play. The lease is available for two years and can be leased for one year increments, \$1,100 per month with a one month deposit. Call Carol 894-2452 (w), 925-0697 (h) or e-mail: carol.jones@vpea.gatech.edu.

Townhome, convenient I-85/I-285 location (Graves Rd.). 2 BR., 2 BA, cathedral ceiling in master BR; fireplace w/gas starter; all kitchen appliances included, plenty of storage with floored attic and utility room; quiet neighborhood w/ pool; very clean, move-in condition; \$48,500. Call Debbie 894-6906 or e-mail: debbie.bell@oars.gatech.edu

Traditional house, Niskey Lake area of SW Atlanta, 1.8 acre wooded lot, 2 BR, (14 ft x 14 ft.), 1 BA, FR off Kitchen, LR/DR combination, new roof, freshly painted interior, hardwood floors, fireplace in LR, \$99,853. Call Tom or Donna after 6:30 p.m 636-4534 or e-mail: tom.brown@gtri.gatech.edu, or donna.brown@ce.gatech.edu.

For Sale By Owner: 15 minutes from Georgia Tech and downtown Atlanta: 4-BR, newly finished hardwood floors, built-in bookcases and storage in den, basement/workshop, new furnace, range and water heater, large fenced back yard, wooded lot on quite street. Asking \$99,500. Call for appointment 458-5401(h) or 894-4874 (w).

## MISCELLANEOUS

Waterford crystal, pattern "Sheila," 8 water, 8 champagne/dessert, 6 cordial, \$45 per stem. Call Carolyn 894-4428 or e-mail: carolyn.mahaffey@gtri.gatech.edu.

Typewriter, IBM Selectric III, self-correcting, long carriage, excellent condition, kept under service contract, \$200. Transcriber Lanier Edisette II, excellent condition, kept under service contract, standard cassette, headset/foot feed, \$75. Telephone answering machine, Panasonic, \$20. Call Claudine 894-3758 (w), 292-3188 (h).

Michelin tires, 4, almost new, 195/75-14, \$150. Call 641-2862, leave message.

Small animal cage, 3 ft. x 1 1/2 ft. x 1 1/2 ft. Suitable for rabbits, hamsters, gerbils, iguana, or other indoor creatures, sturdy, clean, portable, \$20. Call Edith 894-8763 (w) or 458-2473 (h).



Hollywood was the theme of the Homecoming Ramblin' Reck Parade. This entry created by Phi Gamma Delta, featured a human hood ornament. Later the Yellow Jackets lost the game to Wake Forest, 13 - 20.

Non-Profit  
Organization  
U.S. Postage  
PAID  
Atlanta, GA  
Permit No. 1137

THE WHISTLE

VOLUME 19, NUMBER 12 - NOVEMBER 28, 1994

THE GEORGIA INSTITUTE OF TECHNOLOGY