Administration Seeks Resources to Fund Strategic Plan

We collected a lot of data on our current situation with respect to number of faculty and faculty salaries in comparison to other institutions," Dr. Gilmour said. "Strategic planning allowed us to use data in a concrete way with the people who control our destiny (the Board of Regents).

Throughout our benchmarking efforts, we can provide them with additional information that they did not have," said Dr. Gilmour.

The strategic planning process has virtually every Georgia Tech department and how it relates to its external environment, said Dr. Tim Powers, vice president for Strategic Planning.

"I hope we have a chance to share our data directly with the administration," said Dr. Gilmour. "The Institute's current plan only covered four years, so we need a new set of strategic plans.

The administration is working on a new strategic plan incorporating the Institute's directives and most recent accomplishments. The Strategic Planning Advisory Committee, consisting of faculty, staff, and administrators and chaired by Dr. Gilmour, will review the draft and share it with the campus at the beginning of fall quarter for further review and discussion.

Dr. Gilmour said he hopes to see some two-way communication between the campus community and the Institute's leadership regarding the direction of Georgia Tech.

"All of this is with an eye toward helping the community develop a shared understanding of our direction," he said. "The ultimate set of directions should include the total input of the community.

"There is a strong connection between the results of planning and the allocation of resources," said Dr. Gilmour.

"Some of it is fairly subtle, such as putting money into hiring faculty," he said. "The point is that faculty are being hired in places [suggested by] the strategic direction set by the Institute and in a way consistent with the Institute's current plan only covered up to 2001, which resulted in a solid strategic plan.

President Crecine said Georgia Tech's vision is an ambitious one: to become the premier technological university in the nation.

The strategic planning process renewed Tech's emphasis on the undergraduate mission, he said. "The planning process served to further implement the academic organization which has its focus on the undergraduate curriculum," he said. "It also provided a focus on student retention and general improvement of the undergraduate experience.

"In research programs, the strategic planning process helped define the central interdisciplinary directions and led to steps for their implementation.

"The obvious example is in biotechnology and bioscience," Dr. Gilmour said. "I ran across the creation of the Institute for Bioengineering and Bioscience (in the F.L. 'Bud' Saddler Jr. Bio-Complex) which received funding from the Whitaker Foundation. I said the complex will improve research and educational opportunities for biomedical engineering students by bringing together related biological sciences research.

"Progress has not been limited to that area," Dr. Gilmour said. "We also made strides in advanced and novel materials, environmental science and technology to name a few.

PREPARING FOR THE OLYMPICS

Planning for a world-class event such as the Olympic Games requires continuous planning and mapping out Tech's role as an integral part.

"We did some forward looking planning on Tech's role in the Olympics," Dr. Gilmour said. "We developed a master plan for the development of facilities on campus, and we thought hard about how we could maximize the return to Tech from Olympic activities.

Dr. Gilmour said the Institute is on a good course. "We think the process we have in place needs to be continued, hopefully with less effort on the part of the units. They have already made a significant effort.

Dr. Thomas said administrators should review the strategic plan annually to keep it current, and should review the plan every few years because situations change.

"Two years ago we had no idea we would have the defense conversion programs we're talking about now," he said. "That's just one example. Any time there's a major change in the outside environment that affects us, we need to take that into consideration as we go through our planning process.

The next step is finding the resources to implement the strategic plan.

"That strategy will include seeking additional support from the state, looking at the options in regards to tuition and fee pricing, and resources from the capital campaign," Dr. Gilmour said. "No single source is likely to meet all of our needs. It's got to be a combination of those things.

"We'll seek as much funding as possible from the state through the proposed funding formula," Dr. Gilmour said. "If they fully fund it, and we're able to gain income from some of these other sources, we will be well on the road to financing the strategic plan.

Next year, in Round III of strategic planning, the focus will be on the implementation phase of the process; the units' use of Continuous Quality Improvement (CQI) to achieve key objectives; and preparing for the Institute's 10-year accreditation review by the Southern Association of Colleges and Schools in 1994.
Student Remembers a Professor and Friend

The following was excerpted from the obituary Annie Anton, Ph.D. student, College of Computing, read at Gus Baird’s memorial service. William A. “Gus” Baird, a professor in the College of Computing, died July 24. He previously taught in the School of Information and Computer Science and was a member of the Tech faculty for 15 years.

“There’s a tendency to make much of professors who impact us in a dramatic way. Without realizing it, we all relied on Gus to be the “everyday” prof. The one who always said hello, always smiled, never pulled punch or was particularly politically correct. The one who just did neat stuff and taught expected everyone else to be capable of doing great things. Gus was a true master of the day-to-day stuff which is so important and often times, unfortunately, overlooked.

Gus touched each of us in a unique way, and we will each remain thankful for that about him. Maybe we’ll remember that he jogged everyday, or that he was at school by 6:45 every morning, or his big smile, his funny hat, his stories about HIS life as a student at Tech, his crooked finger which he injured while playing handball, his rat cat, and of course, who could possibly forget his laugh.

Some might remember him for the colorful things he used to say such as: “Like my old Army lieutenant used to say, ‘Ain’t nothin’ simple when you’re dealin’ with real’ and “If you aren’t a better programmer than me when you graduate then I haven’t done my job.”

Gus was present at a meeting that Dr. Creinec had with students in Techwood dorm. Dr. Creinec asked for input on how the computing environment at Tech should be improved. Gus jumped up on top of a table and shouted (in reference to Cyber): “Just get rid of that big iron boogeyman!” I’m not sure what a boogeyman is, and apparently Dr. Creinec didn’t either. I’m told he had a sort of confounded, stunned look on his face.

All of these stories (or Gus-isms) remind us of life as a student in Gus’ class. But what about the stories he told the professor, the advisor, our friend. I had the pleasure of knowing Gus for seven years. I truly loved him. He was always kind and had a profound impact on me in undergrad. Last night I pulled out my transcript to count how many times I withdrew from calculus, physics, and computer. Gus signed six pink paraphrases for me. And the thing I remember most from each of those interactions is the fact that he never simply signed and sent me on my way. He sat me down and said “Oh no Ania, (as he’s always called me) not again! What can we do? Is it the coursework? Are you taking a heavy load? Do you need a tutor? Is there anything I can do?” He was always genuinely concerned about his students. As a professor and as an advisor, that was his main interest: his students. Ironically, Gus visited my cubicle for the first time ever last Thursday (July 22), and I showed him a picture on my wall of him, the dean, and I from graduation last year. His picture will remain there and in every office I have from here on out. The man who got me my first job interview. The man who loved Cabin black bears. The man who wanted nothing more than to teach. Memories are such precious gems, but the kind of memories we have depend not so much on the objective event as it does on ourselves. The memories we all have of Gus are unique and they will give us inspiration in different ways.

It will be pleasing to us to remember Gus. And today we’ve gathered to pay tribute to a man who has left us with memories that we will truly cherish for the rest of our lives.

Kappa Sigma
 fraternity is giving
 its home a face-lift.
 The fraternity is busy
 getting ready for fall
 quarter.

Water—It Does a Body Good

by Lee G. Zacarias
Environmental Compliance Officer
Department of Environmental Science, Health, and Safety

It is amazing how one of the most basic and common substances can be taken for granted. This substance makes up over 70 percent of our physical being. What is this substance? Water! The benefits derived from water are enormous. Lately the temperatures have been in the upper 90s. Add the effects of humidity and the temperature feels well above 100 degrees. So what can water do for you?

Water helps the kidneys function properly. This key organ is involved with the removal of waste products from the body. Sufficient amounts of water will allow waste materials to be easily flushed from the body. Insufficient amounts of water passing through the kidneys will put a strain on the other body organs by causing them to work less efficiently at their main task. An example of this is the liver. The liver is one of the most versatile and resilient organs in the body. One of its primary functions is to metabolize stored fat into usable energy for the body. However, when the liver has to do part of the kidney’s work by handling waste products due to low water intake, it cannot metabolize as much fat, which remains stored in the body, and weight loss stops. This can also cause the liver to get overloaded with toxins and other metabolites.

Water is important in both cold and hot climates. Water is critical to proper body temperature regulation. When our water is out of balance, we can overheat or be cold.

Water helps the endocrine gland and immune system to function properly.

Water helps the digestive system function normally and can help relieve constipation.

Water is drinking plenty of water is one of the best methods for treating fluid retention. As strange as it sounds, when the body receives less water than it needs, the body perceives itself as a threat to its survival and tries to hold on to every drop it can. Much of this water is stored in spaces outside the body’s cells causing edema or swelling of the hands, legs, or feet. Only when the body receives the proper amounts of water it needs, will it let go of the water it is storing.

Individuals who have gained weight also need more water. More body tissue means more blood is needed for circulation, which is primarily water. Increased metabolites cause higher loads of waste products which need to be flushed from the body. Increased amounts of water will help with fat metabolism and help control weight gain. It is estimated that for each 25 pounds of excess weight, water intake should increase by one 8-oz. glass per day.

Water has been found to be a natural appetite suppressant, especially when drank before meals.

Athletes recognize the importance of water intake. They realize how important water is to maintaining proper muscle tone by providing the muscles the ability to contract.

Dermatologists have long praised water for its ability to maintain proper skin health, tone and moisture content. Water keeps the skin from becoming dry and sagging. Most lotions and creams for the skin contain mostly water.

It has been recommended that the average person should drink eight 8-oz. glasses of water each day for the body to function optimally. Although it may take a little effort to drink all the water our body requires, the benefits are tremendous. Everyone seems to be getting on the “water wagon” and drinking bottled water. The idea of drinking from a “contaminated” fountain tends to make some individuals very nervous. Some people are concerned with the chemicals municipal suppliers add to the system. Some are concerned with old pipes and the possible lead concentrations. Others say that municipal water just does not taste right. Whatever the reason, many people are drinking bottled water and, in some cases, they are having water coolers installed in their work places. But water coolers may pose a problem that most people have not considered. Microorganisms! Researchers from Northeastern University found high levels of bacteria in 10 bottled-water dispensers which they tested over a two month period. These researchers found concentrations of 2,000 to 1 million organisms per milliliter. The Environmental Protection Agency’s limit for tap water is 500 organisms per milliliter, the same as the Food and Drug Administration’s standard for bottled water. The study did not find any levels of harmful coliform bac- teria, but they did find heterotrophic plate counts which included pseudomonas bacteria. These bacteria may not harm a healthy person, but they can cause infections in people whose immune systems have been compromised. The study determined that tap water may not contain the same high levels of bacteria due to the chlorine in the water. So how do you protect yourself if you use a bottled water dis- penser? Water dispensers should be cleaned with a mild mixture of household bleach, then rinsed thoroughly with clean water to remove any resid- ual. This should keep the bacteria levels from climbing for up to four weeks. So, drink plenty of water, it’s healthy for you!
Georgia Colleges and Universities Get High Marks

A recent public opinion survey conducted for the Board of Regents\' Strategic Planning Advisory Committee shows Georgians think Georgia colleges and universities are a good value and want the state to spend more on higher education. The following are the survey results:

- Considering their costs and the quality of education that you receive, public colleges and universities in Georgia are a good value. (699 respondents)
  - Strongly agree 47.9%
  - Somewhat agree 43.3%
  - Somewhat disagree 6.8%
  - Strongly disagree 2.0%

- In the future, a college education will be very important in determining how successful one will be in life. (724 respondents)
  - Strongly agree 50.2%
  - Somewhat agree 19.2%
  - Somewhat disagree 6.1%
  - Strongly disagree 4.5%

- People like me have a hard time affording college either for ourselves or our children. (711 respondents)
  - Strongly agree 60.3%
  - Somewhat agree 26.5%
  - Somewhat disagree 9.5%
  - Strongly disagree 3.8%

- Everyone should be able to get a college education if they want to. (721 respondents)
  - Strongly agree 79.8%
  - Somewhat agree 13.6%
  - Somewhat disagree 4.6%
  - Strongly disagree 1.9%

- It is very important for the public colleges and universities in Georgia to be involved in research and development. (712 respondents)
  - Strongly agree 66.8%
  - Somewhat agree 28.8%
  - Somewhat disagree 3.7%
  - Strongly disagree 3.7%

- Georgia's public college and universities should be working directly on economic development projects. (696 respondents)
  - Strongly agree 41.5%
  - Somewhat agree 43.8%
  - Somewhat disagree 12.4%
  - Strongly disagree 2.3%

- Faculty and staff of Georgia's public colleges and universities make a significant contribution to the state in their work with businesses, government, and community groups. (678 respondents)
  - Strongly agree 33.8%
  - Somewhat agree 52.2%
  - Somewhat disagree 10.5%
  - Strongly disagree 3.5%

- Even if it costs more, I believe that most public college and university programs should be offered within driving distance of my home. (715 respondents)
  - Strongly agree 40.2%
  - Somewhat agree 32.8%
  - Somewhat disagree 20.1%
  - Strongly disagree 6.9%

- How much would you say that you have heard about public colleges and universities in Georgia? Would you say that you had heard a great deal, heard a fair amount, heard a little, or heard almost nothing at all? (726 respondents)
  - A great deal 31.0%
  - A fair amount 44.0%
  - A little 17.8%
  - Almost nothing 7.2%

- Would you say that public colleges and universities in Georgia are excellent, good, fair, or poor? (714 respondents)
  - Excellent 18.5%
  - Good 61.0%
  - Fair 19.8%
  - Poor 9%

- Would you say the quality of teaching or instruction in the public colleges and universities in Georgia is excellent, good, fair, or poor? (670 respondents)
  - Excellent 13.2%
  - Good 62.7%
  - Fair 23.5%
  - Poor 7%

- How important do you believe the public college and university system is in ensuring the well-being of the state of Georgia? Would you say it is very important, somewhat unimportant, or unimportant? (705 respondents)
  - Very important 72.0%
  - Somewhat important 25.3%
  - Somewhat unimportant 2.4%
  - Unimportant 0.3%

- Would you say the state of Georgia spends too much, not enough or about the right amount on public higher education? (675 respondents)
  - Too much 3.6%
  - The right amount 52.8%
  - Not enough 43.6%

Charitable Campaign; An Opportunity to Help

by Sallylyn Hill

T

is is only 10, but already he has performed nearly half a dozen surgeries to repair a cleft palate. An operation at any age is a traumatic experience, but Tim receives excellent care at both Egleton and Scottish Rite hospitals. Tim and other children receive such high quality care because hospitals are assisted in providing services through charitable donations.

"They took such good care of him, said his aunt, Peg Shelton, research analyst in Constituency Research and co-coordinator of the Georgia Tech Charitable Campaign. "One of the reasons he is getting that care is because people who give to Egleton or Scottish Rite."

Scottish Rite and Egleton are only two of the agencies benefiting from the Georgia Tech Charitable Campaign. Tech's campaign is part of the state campaign, but campus organizers try to personalize it for Tech faculty, staff, and retirees.

A volunteer breakfast planned for mid-September will kickoff this year's campaign. Campaign organizers set a goal of maintaining or increasing last year's contributions of $160,886. That was down 3 percent from the year before. However, "considering the economic times and political climate, that was great," said Shelton who also worked on last year's campaign.

"I think the Tech community is feeling good about itself this year, and I think they will try to share it," she said. "I hope they will think about where they can make a difference and act on it."

Dick Fuller, retired special assistant to the President, chairs the campaign and Shelton and Kirsty Wente, assistant to the dean, Ivan Allen College of Management, Policy, and International Affairs are co-coordinators. Shelton and Wente, along with a steering committee, map out the events of the campaign.

A major component of the plan is assigning coordinators within each department on campus, explained Shelton. The coordinators contact everyone in their department and ask them personally to participate. Anyone can participate by giving as little as $1.

"It's not a hard sell," Shelton said. "It's just an opportunity to give."

An advantage of giving to Tech's Charitable Campaign is the donor has more control of where they want to spend their money.

The Charitable Campaign involves more than 100 independent agencies, along with the United Way and affiliated agencies. It offers so many places for people to make a difference, she said. That aspect of independence is important to people. Shelton made no predictions about this year's yield, but emphasized the importance of giving everyone an opportunity to donate.

"The need increases every year, that's the unfortunate thing," Shelton said. "Wouldn't it be nice if we didn't need to have a campaign?"

The Whistle Bids Campus Adieu

This will be the last issue of The Whistle. In spite of all the good comments from our readers, the cold hard reality is that everyone gets their news somewhere else. The proliferation of newsletters, e-mail and other on-line news services simply made The Whistle obsolete. The Whistle had a number of features that readers liked and looked forward to and in some cases counted on, but not enough to justify the continued allocation of resources, financial or human. We have thoroughly enjoyed covering the campus for you, and we will continue to serve you in new and exciting ways.

Peg Shelton
Research Analyst
Constituency Research

"I think the Tech community is feeling good about itself (this year), and I think they will try to share it. I hope they will think about where they can make a difference and act on it."

Peg Shelton
Research Analyst
Constituency Research
AUGUST
16 MONDAY

PEACH Program Lunch & Learn: “Nutrition and Weight Control for Real Life,” five one-hour classes at 12:00 p.m., each Monday in August. Bring your lunch, class enrollment limited to 50. For more information call 894-3986.

Recreational Sports offers Noon- time Faculty-Staff Bench Aerobics Class, Tuesdays and Thursdays. For more information call 894-3421.

Georgia Tech Electronic Library (GETEL, the Library’s public access online data bases) Basic class, 7:00 p.m. - 8:00 p.m., Room 521, East Building, Library. For more information call the Reference Desk at 894-4529.

Tech Television Network movie “Dragont,” all day, August 16 - 22, 1st floor monitors and Music Listening Room, Student Center.

17 TUESDAY

Fall Quarter early registration, now through August 25.

Georgia Tech Electronic Library (GETEL, the Library’s public access online data bases) Basic class, 11:00 a.m. - 12:00 p.m., Room 521, East Building, Library. For more information call the Reference Desk at 894-4529.

Concert, 11:05 a.m., Student Center steps.

Alcoholics Anonymous (closed discussion) meeting (bring your lunch) every Tuesday, Student Center, Room 227, 12:00 p.m. - 12:50 p.m. Call Gayle Roberts for more information 894-2575.

18 WEDNESDAY

Office of Information Technology seminar: “Introduction to ELM and the PICO Editor,” 1:00 p.m. - 3:00 p.m., Room 239, Rich Building. Call 894-4600 to register.

DramaTech Late Nite Special, a zany new musical comedy written and produced by DramaTech Theatre members, Friday and Saturdays, now through August 21. Join the likes of Babe Ruth, Joan of Arc, and Clark Kent as they cross the lines at the Tempe Town Community Theatre and Rib Shack, where “The Fine Flew Come to Chew and View.” Tickets $6 general admission, $4 students. For information call 894-3481 or for reservations call 894-2745.

19 THURSDAY

Recreational Sports invites everyone to join the walking club (Walkie Talkies). For more information call 894-2421.

The Georgia Tech Chapter of Toastmasters International (Techmasters) meets Thursdays, 7:30 a.m., Room 102 of the Microelectronics Research Center.

Defensive Driving training class, 8:00 a.m. - 12:00 p.m., Landscape Services Conference Room.

The Environmental Forum meets Thursdays, 11:00 a.m., 3rd floor, Student Center.

Tech Deming Study Group meeting, 12:00 p.m., Room 319, Student Center. Browse or stop by and pick up lunch at one of the food services in the Student Center.

20 FRIDAY

“Art in Motion,” an exhibit honoring athletic excellence, now through August 27, Richards and Westbrook Galleries, Georgia Tech Theatre for the Arts. The exhibit coincides with the Georgia State Games. For more information contact Boyd Beckwith, Gallery director, 894-2805.

Dive-in movie: “A Fish Called Wanda,” August 20 - 21, 9:00 p.m., Student Athletic Complex (SAC) Pool, $1.50, bring your swim suit.

21 SATURDAY

College of Computing, GVU Lab. Refreshments served. For more information, contact Joan Morton 853-4672.

22 SUNDAY

PEACH Program Lunch & Learn: “Nutrition and Weight Control for Real Life,” five one-hour classes at 12:00 p.m., each Monday in August. For more information call 894-3986.

23 MONDAY

Tech Deming Study Group meeting, 12:00 p.m., Room 319, Student Center. Browse or stop by and pick up lunch at one of the food services in the Student Center.

Graphs, Visualization & Usability (GVU) Center Monthly Demo Day, 1:30 p.m. - 5:00 p.m., Room 259, Georgia Tech Electronic Library (GETEL, the Library’s public access online data bases) Basic class, 11:00 a.m. - 12:00 p.m., Room 521, East Building, Library. For more information call the Reference Desk at 894-4529.

Alcoholics Anonymous (closed discussion) meeting (bring your lunch) every Tuesday, Student Center, Room 227, 12:00 p.m. - 12:50 p.m. Call Gayle Roberts for more information 894-2575.

25 WEDNESDAY

Office of Information Technology seminar: “Oracle Database Administration,” 9:00 a.m. - 12:00 p.m., Room 239, Rich Building. Call 894-4600 to register.

Georgia Tech Electronic Library (GETEL, the Library’s public access online data bases) Basic class, 12:00 p.m. - 3:00 p.m., Room 521, East Building, Library. For more information call the Reference Desk at 894-4529.

26 THURSDAY

The Georgia Tech Chapter of Toastmasters International (Techmasters) meets Thursdays, 7:30 a.m., Room 102 of the Microelectronics Research Center.

Office of Information Technology seminar: “Understanding and Using Your Georgia Tech Computer Account,” 10:00 a.m. - 12:00 p.m., Room 239, Rich Building. Call 894-4600 to register.

The Environmental Forum meets Thursdays, 11:00 a.m., 3rd floor, Student Center.

27 FRIDAY

Last day of classes.

28 SATURDAY

10th annual Golf Classic, benefitting Tech Friends of the Children’s Foundation.

29 SUNDAY

Georgia Tech Football “Fan Photo Day,” 4:30 p.m., Rose Bowl, Kickoff barbecue, 6:00 p.m.

30 MONDAY

Finals week.

PEACH Program Lunch & Learn: “Nutrition and Weight Control for Real Life,” five one-hour classes at 12:00 p.m., each Monday in August. Bring your lunch, class enrollment limited to 50. For more information call 894-3986.

“Tech Television Network movie “Bill and Ted’s Excellent Adventure,” all day, August 30 - September 5, 1st floor monitors and Music Listening Room, Student Center.

31 TUESDAY

Alcoholics Anonymous (closed discussion) meeting (bring your lunch) every Tuesday, Student Center, Room 227, 12:00 p.m. - 12:50 p.m. Call Gayle Roberts for more information 894-2875.

Munch-O-Mania - chicken fingers, $4.00, Room 102, 10:00 a.m., 2nd Floor Student Center Lounge.

SEPTEMBER

1 WEDNESDAY

Office of Information Technology seminar: “Introduction to UNIX,” 10:00 a.m. - 12:00 p.m., Room 239, Rich Building. Call 894-4600 to register.

2 THURSDAY

The Georgia Tech Chapter of Toastmasters International (Techmasters) meets Thursdays, 7:30 a.m., Room 102 of the Microelectronics Research Center.

“Tech Television Network movie "Bill and Ted’s Excellent Adventure," all day, August 30 - September 5, 1st floor monitors and Music Listening Room, Student Center.

College of Computing, GVU Lab. Refreshments served. For more information, contact Joan Morton 853-4672.

3 FRIDAY

Summer Quarter Commencement, 9:00 a.m., Alexander Hall (main campus and Tech Hall).

4 SATURDAY

End of term.
**TUESDAY**

- Alcoholics Anonymous (closed discussion) meeting (bring your lunch) every Tuesday, Student Center, Room 227, 12:00 p.m. - 12:50 p.m. Call Gayle Roberts for more information 894-2575.

- The Georgia Tech Chapter of Toastmasters International (Techmasters) meets Thursdays, 7:30 a.m., Room 102 of the Microelectronics Research Center.

- The Environment Forum meets Thursdays, 11:00 a.m., 3rd floor, Student Center.

- Tech Deming Study Group meeting, 12:00 p.m., Room 319, Student Center. Bring your lunch and a new book to discuss.

**SATURDAY**

- Georgia Tech Football season opener vs. Furman, Bobby Dodd Stadium/Great Field, 4:00 p.m.

**FRIDAY**

- "Skin of Our Teeth" DramaTech Auditions, September 26 - 27, 7:00 p.m., DramaTech Theatre, open to anyone in the Georgia Tech community.

- Yoga Kippur begins at sundown.

**TUESDAY**

- Food Senior Center: 9:00 a.m. - 1:00 p.m., Senior Center.

**WEDNESDAY**

- First day of Fall Quarter classes.

- "Promises: Three Contemporary Korean Artists," a Korean contemporary art exhibit, Richards Gallery, Georgia Tech Theatre for the Arts, Tuesday - Thursday, 2:00 p.m. - 7:00 p.m., September 22 - October 23.

- The Georgia Tech Chapter of Toastmasters International (Techmasters) meets Thursdays, 7:30 a.m., Room 102 of the Microelectronics Research Center.

- The Environment Forum meets Thursdays, 11:00 a.m., 3rd floor, Student Center.

- Tech Deming Study Group meeting, 12:00 p.m., Room 319, Student Center. Bring your lunch and a new book to discuss.

**SATURDAY**

- Yoga Kippur begins at sundown.

**FRIDAY**

- DramaTech Theatre Open House, September 24 - 25, 7:40 p.m., open to anyone interested in the Theatre experience.

**TUESDAY**

- Food Senior Center: 9:00 a.m. - 1:00 p.m., Senior Center.

- Dog Senior Center: 9:00 a.m. - 1:00 p.m., Senior Center.

- Poets Anonymous (closed discussion) meeting (bring your lunch) every Tuesday, Student Center, Room 227, 12:00 p.m. - 12:50 p.m. Call Gayle Roberts for more information 894-2575.

- Monthly Administrative Network meeting.

-.Rosh Hashanah begins at sundown.

- Graphics, Visualization & Usability (GVU) Center Monthly Demo Day, 1:30 p.m. - 5:00 p.m., Room 259, College of Computing, GVU Lab. Refreshments served. For more information contact Joan Morton 853-0672.
Technology Must Improve Education Not Hamper It

Technology alone will not solve our problems. But it can be used to enable changes in our basic educational paradigms that will provide significant progress toward our goals.

The following is the third of a three-part series excerpiting the distance learning presentation Dr. Peter Freiman, dean of the College of Computing, made to the Board of Regents at Georgia Tech on June 8.

The technology of education must fit the material of education, not the other way around. Not all material can be delivered at a distance. Not all medical procedures can be carried out remotely. Policies must be flexible and recognize this fact.

On the other hand, the technology we now have available enables significant new ways of educating students in almost every discipline. Policies must be adopted to encourage the needed changes in teaching modes that must occur to fully exploit the possibilities.

The new technologies will permit significant changes in the content of curricula. Students in remote campuses or even at their homes or work-places can access the full text and pictures describing the latest scientific or historic discoveries. They will be able to interact with people and models, such as economic models, via networks to enhance their retention and understanding. Our policies must encourage faculty to make these changes in the curriculum and reward them for the extra work this inevitably entails.

We must re-examine almost all the structures of our educational system—schedules, classrooms, campus layouts and sites, support facilities, and so on—to see if and how new technology can be utilized to improve quality, effectiveness and cost. System and campus policies must recognize and encourage this.

There are visions of new students today that cannot come to the traditional campus between 9 a.m. and 5 p.m. There are thousands of people who need and desire retaining or advance training in order to participate in the information economy that now dominates, many who want to understand more deeply the economic and political forces that drive our world, and always those who want to enrich their lives with the study of subjects far too numerous to include in a traditional campus-based curriculum. Our policies need to encourage application of technology to serving these people.

Technology alone will not solve our problems. But it can be used to enable changes in our basic educational paradigms that will provide significant progress toward our goals. Our schools, by and large, are organized today for the factory culture of the industrial revolution. We are well into a very different type of culture—the information culture—and we must recognize the magnitude and difficulty of change.

Education institutions—appropriately in many ways—are among the most conservative institutions in our society. As a result, change normally comes about very slowly. Policies that encourage change can be adopted, but the change will still be slower than we want. On the other hand, failure to recognize the need for change in lots of things in addition to technology, will most likely result in the eventual waste of the technology we have.

Our needs are great. Our opportunities are great—for the moment. If we fail to take advantage of the window of opportunity that is open at the moment, then our state and our children will suffer for generations. On the other hand, if we—all of us—seize the opportunities before us and make the most of them by setting and following sensible policies, there is reason to believe that we can help our state and our nation make significant strides in the Information Age.

Georgia Tech Foundation Teaching Fellows for 1993-1994

The Center for Enhancement of Teaching and Learning (CETL) proposes the "Georgia Tech Foundation Teaching Fellows Program" for up to 12 unteneured professors each year. The program assists faculty in the early development of their teaching. The 1993-94 participants are:

- Miroslav Becvar, assistant professor, Electrical and Computer Engineering
- Jim Calvin, assistant professor, Industrial and Systems Engineering
- C.H. Chuang, assistant professor, Aerospace Engineering
- Bill Evans, assistant professor, Literature, Communication, and Culture
- David Frost, associate professor, Civil Engineering
- Janet Hampikian, assistant professor, Materials Science and Engineering
- Ken Hughes, assistant professor, Chemistry and Biochemistry
- Catherine Marin, assistant professor, Modern Languages
- Jeffrey Streator, assistant professor, Mechanical Engineering

Any unteneured assistant professor who has been at Georgia Tech at least one year and is on tenure track, is eligible for consideration for this program. In addition, any associate professor without tenure, but on tenure track is also eligible. For more information contact CETL's co-directors David McGill and Biller Pendleton-Parker 894-4474.

Fred Nathanson Memorial Radar Fund Established

Prior to his death, Fred Nathanson, principal research engineer at Georgia Tech Research Institute (GTRI), dedicated himself to establishing a fund to help deserving apprentices in the radar field. He died of cancer in June at his home in Rockville, Maryland.

Nathanson worked at GTRI since 1988, and was known throughout the world radar community as an outstanding and accessible leader, writer, and teacher. Nathanson wrote Radar Design Principles, a very popular book in the field. Grants will be awarded to one or more deserving apprentices in the field, in part with the advice of the Radar Panel of the Institute of Electrical and Electronics Engineers (IEEE), IEEE's Radar Systems Panel is overseeing the fund, collecting donations for one year, and then accepting applications for educational grants. Send donations to the fund's treasurer, Robert Hill, at 2002 Birdseye Lane, Bowie, Maryland 20715. Checks should be made payable to "Fred Nathanson Memorial Fund."
Zhihong (Jeff) Xia

AGE: 30
OCCUPATION: Associate Professor, School of Mathematics
CURRENT PROJECTS (ON CAMPUS): Study of chaos.
HOW LONG HAVE YOU BEEN AT GEORGIA TECH? Since June, 1990
EDUCATION: Ph.D., Northwestern University, 1988, B.S., Nanjing University, Nanjing, China, 1982.
MARRITAL STATUS: Married
CHILDREN: One
PETS: None

LAST BOOK: Bloodline by Sidney Sheldon (Read over a cross pacific flight.)
LAST MOVIE: "Star Trek V" (Saw on the same flight.)
BEST PIECE OF ADVICE YOU EVER RECEIVED: Do what you think is important. Don't be concerned with what other people think.
PETS: None

FEW PEOPLE KNOW THAT I: had been an astronaut and worked on an observatory.

Xia Honored for Mathematics Research

by Fred Andrew
Associate Director
School of Mathematics

Zhihong Xia, associate professor, School of Mathematics, has been selected as the first recipient of the Blumenthal Award in Mathematics. According to the terms of the Blumenthal Trust, the award is to be made every four years and the recipient must be deemed "to have made the most substantial contribution in research in the field of pure mathematics and be deemed by the committee to have potential for future production of distinguished research in that field." Xia was chosen unanimously by a selection committee chaired by Professor Wilfried Schmid of Harvard University.

Xia, whose research is in the field of dynamical systems, received the award for his solution to an 1895 problem of Poincaré and Poincaré concerning singularities of the Newtonian n-body problem. The n-body problem is to describe the motion of n-bodies moving under their mutual gravitational attraction. The motion of the bodies is determined by their initial conditions, and a singularity occurs when the motion cannot be predicted for all time. The most obvious singularity is a collision, Poincaré and Poincaré asked if this was the only possible singularity. The solution eluded researchers until recently, when Xia constructed a class of five-body problems in which the particles escape to infinity in finite time, thus providing an example of a non-collision singularity. On the basis of this work, which has been published in the prestigious journal Annals of Mathematics, Xia was also awarded the 1993 Sigma Xi Best Paper Award at Georgia Tech.

Xia joined the Georgia Tech faculty in 1990 after being a Benjamin Pierce Lecturer at Harvard University. In addition to his research in dynamical and Hamiltonian systems, he has taught Georgia Tech students at all levels and is particularly interested in bringing current results to Georgia Tech undergraduates.

Xia will receive the Blumenthal Award in a special session of the combined meeting of the American Mathematical Society and the Mathematical Association of America to be held in Vancouver this month.
Boats  
Glassmaster 16' boat with 40 hp Evinrude. $580. 894-4017.

Furniture  
Jenny Lind baby crib. Excellent condition, white finish. $60. Call 894-9282.

Miscellaneous  
Wedding gown with bishop sleeves; Queen Anne neckline; train w/ ruffle; lace; sequins and pearls; size 9/10 petite. $100 includes the protective storage bag. Call 335-8477 & leave message.

Pets  
Eight canaries, males and females, five yellow and three variegated. Plus large cage. $150. 894-2394.

Dog needs a good home. Large black and brown mixed breed dog is homeless in neighborhood. Sweet, smart, and lovable, but needs immediate T.L.C. Please call Gail 894-4152.

Real Estate  
For sale: 3 BR, 2 BA, energy efficient tri-level with large living room, large master bedroom with a ceiling fan, finished basement, central AC/heat and attic fan, newly remodeled kitchen, new carpet throughout, large fenced backyard, and near MARTA off of Campbellton Road in SW Atlanta. Call 894-3810.

For sale: 4 BR, 2 1/2 BA, 2594 Pwk Wow Ct., Daluth, GA. Living room, dining room, large family room, 2 screened porches, 16x36 inground swimming pool, large landscaped fenced back yard with fruit and shade trees, house and ceiling fans throughout, large 2-car garage with door openers, parquet floors in some areas, great subdivision near all shopping centers west of I-85. Wooded area away from traffic, on a cul-de-sac.

Did You Know?

Success Center Grand Opening Competition  
The Bill Moore Student Success Center’s “Grand Opening” is slated for October 8. In conjunction with the celebration, the Center is sponsoring a competition to promote the Center. All Georgia Tech students, alumni, faculty, staff, parents, and friends are eligible. The competition—The Role of Ethics in a Global Economy—has a written category (essay or poem) and a visual category (photograph, painting, collage, sculpture, or film). For more information contact Stan Altschuler, executive director, Student Success Center, 894-1935 or stan.altcschulet@success.gatech.edu.

Electric Costs Skyrocketing  
Georgia Tech’s electric rate has skyrocketed between the hours of 11:00 a.m. and 7:00 p.m. during the current heat wave, according to James Priest, associate vice president for Facilities. Priest asks that everyone, “Please, turn off all non-essential electrical equipment and lights.”

Casino Night to Roll in Cash for Scholarships  
The Greater Atlanta Georgia Tech Clubs are hosting their 3rd annual Casino Night for Scholarships on Friday, September 10 at 8:00 p.m. at the Atlanta Renaissance Hotel (formerly the Penta Hotel). The evening consists of Las Vegas-style game tables, music, food, and both live and silent auctions. Tickets are $25 ($10 for students). All proceeds benefit the clubs’ scholarship funds which provide money to entering Tech freshmen from the Atlanta area. For more information call 894-2391.

State Employees Day at Six Flags  
Once again, the State Employees Credit Union has reserved the entire Six Flags Over Georgia park exclusively for state employees, their families, and guests. State Employees Day is set for Saturday, November 6. The regular admission price is $25 at the gate this year; the price for this special event is $13. If you place your order for tickets before August 31, you will receive a special “Early Bird” discount of $1 per ticket. Tickets are on sale at all the State Employees Credit Union offices or call 656-3748.

The Smith Residence Hall is the first of the campus dormitories to undergo needed renovations in preparation for the 1996 Olympics.