

TECHNIQUE

"The South's Liveliest College Newspaper"

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Are you unhappy? Tech ranks high for unhappy student body.

NEWS page 5

Go! Fight! Win! Flip to the back for a preview of Tech's season opener against Vandy.

SPORTS page 36



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CS tutoring could find home in FE

By Daniel Amick
Senior Staff Writer

Tech students struggling through introductory Computer Science classes will soon have more avenues available to get the help they need. An important option became available this week.

In a change from previous years, Computer Science teaching assistants now hold regular office hours in the College of Computing (CoC) Commons Area. Several computer workstations have been set up inside to accom-

modate students. Anyone taking Scheme-based CS 1321 can get help Monday through Thursday from 4 p.m. to 10 p.m. Students needing help with Java-based CS 1322 can drop by any time from 1:30 p.m. to 8 p.m.

The new academic policy adopted over the summer permitting "collaboration with at-

tribution" on homework assignments opened the way for increased participation. Students coming to a TA can expect concrete help with individual assignments.

"The students are responsible for knowing the material when they sit down to take a test," said Dr. Maureen Biggers, a CoC academic professional.

"We want to get [the tutoring] up and running this term."

Maureen Biggers
CoC Spokesperson

Biggers is currently helping to organize a second program that would place CS tutors in the residential areas who would supplement the TAs on duty at the

CoC. Dr. Kurt Eiselt, the CoC's Director of Undergraduate Education, came up with the idea.

The plan would coordinate with the Department of Housing's Freshman Experience (FE) program.

"Collaboration is essential

See CS, page 9

Organization Fair Students get involved



By Scott Meuleners / STUDENT PUBLICATIONS

A representative from the Episcopalian Campus Ministries speaks to a student at this week's Organizations Fair held on the Skiles walkway. The fair introduced freshmen to the various organizations on campus.

UHR hosts open house Tuesday

The Undergraduate House of Representatives will host its annual open house this Tuesday beginning at 7 p.m. in the SGA office, Student Services 131.

All members of the student body are encouraged to attend and meet their representatives for this school year.

Immediately following the open house, students will be able to attend the UHR meeting to see exactly what goes on behind the scenes of student government.

Energy seminar on campus next week

Experts in the field of sustainable energy will meet on Tech's campus next week for a seminar for the development of technologies that harvest energy from natural resources.

The conference marks the third in the annual Blue Skies series, which is sponsored by Georgia Tech's College of Engineering. The seminars officially begin on Wednesday with a keynote presentation by Richard Truly, director of the National Renewable Energy Laboratory (NREL) in Golden, Colorado. The seminar will run through Tuesday, September 10.

Ramblin' Nights to kick off tonight

By Tony Kluemper
News Editor

Most students know that tomorrow marks the beginning of a new era in Yellow Jacket football; however, some may not realize that tonight marks the beginning of a new program aimed at the Yellow Jacket fan. Ramblin' Nights, a series of events that will be held the night before five home football games, kicks off tonight at Russ Chandler stadium.

Planning for the event began early spring semester when Dean of Students Gail DiSabatino approached GT Smart communications specialist Sherry Crawley to coordinate a late night program for students. "For several years now, Gail [DiSabatino] has been thinking about doing some type of late night programming for students," said Crawley. "And around March she [DiSabatino] came to me and said she wanted to start this type of programming."

The idea is not a new one. In fact, according to Crawley several colleges have been holding similar programming for many years. "Many colleges and universities have been experimenting with late night programming for some time," said Crawley. "Penn State, the University of Florida and even UGA began running programs in the past year."

Crawley hopes that this type of programming will benefit the Tech student

See Ramblin', page 6

Dean's office releases new alcohol sanctions

By Sriram Narasimhan
Senior Staff Writer

A committee of representatives from the Dean of Students' office recently approved changes made to the current alcohol and substance abuse sanctioning model after it came under review this summer, an annual process designed to improve upon the guidelines.

The most substantial change

that arrived from the evaluation process this year was in respect to the financial considerations. The fines associated with each level of sanctioning have increased considerably in order to keep pace with more advanced methods of educational activities designed to help students prevent any future misconduct involving alcohol.

There are already five distinct levels of substance abuse corre-

sponding to the various levels of damage inflicted upon persons, campus or property. The first level of charges relates to initial warnings and first-time offenders. Previously, students were required to pay a \$25 fine, but this penalty will now be \$75.

The reason for this change was that in the past, less than \$2 of the fine was spent on education, in the form of an 'Alcohol 101' CD-ROM designed to in-

teract with student offenders. Unfortunately this form of preventive medicine did not prove to be effective for preventing second-time offenses.

In place of the CD-ROM, the Deans of Students' office decided to move to an even more interactive class, which has been found to be as expensive as \$45 per student. However, the ben-

See Alcohol, page 5

Tech sororities enjoy successful fall rush

By Madhu Adiga
Senior Staff Writer

Georgia Tech sororities enjoyed another successful rush this fall, with almost all of the six Panhellenic sororities meeting or exceeding their quotas for new members. Rush numbers were similar to those from last fall, with an attendance of 266, and 183 invitations given out to rushees.

Unlike last year, however, many of the rushees chose to wait until the last moment to turn in their recruitment applications, so numbers were low until the last night of recruitment. "We put our application online this year instead of in the rush booklet, which may have

contributed to the late response," said Andrea Pesonen, Panhellenic Council president.

Possible confusion about the Panhellenic recruitment process may also have been a reason so many girls waited to turn in their applications. "It's possible that the rushees were confused between the Interfraternity Council's (IFC) rush process and ours. Ours is a lot more formal and structured, whereas IFC's is relaxed," said Melissa Freels, Panhellenic Vice-President of Recruitment.

"We admittedly were a bit nervous at the initially low numbers, especially when students asked us, 'the deadline isn't un-

See Rush, page 9



By Robert Hill / STUDENT PUBLICATIONS

Members of Phi Mu congratulate one of their newly selected sisters. All of the Panhellenic sororities met their quotas during rush.

Technique Online Voice Your Opinion!

Last issue's poll garnered 24 responses to the question: "In what areas would you like to see parking improved?"

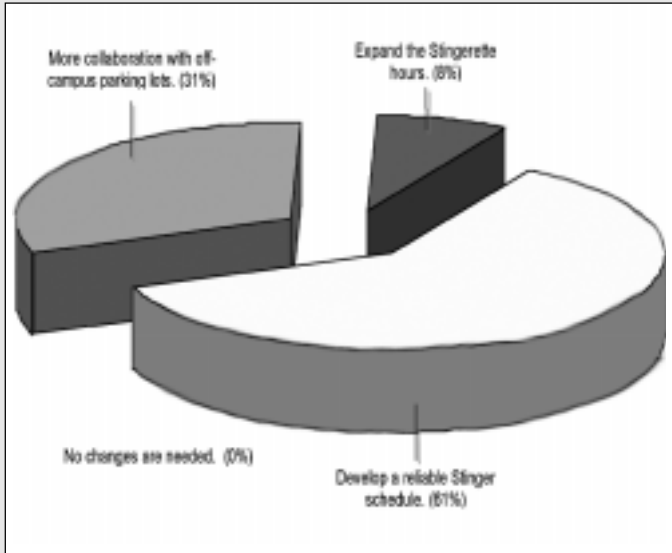


Image by Ian Clark / STUDENT PUBLICATIONS

This week's poll is related to alcohol punishments. How do you feel about the changes in the alcohol sanctioning policies? Tell us what you think at www.cyberbuzz.gatech.edu/technique.

From the archives...

The Nique's top stories from:



10 years ago: August 21, 1992—The Board of Regents announced that they would form a blue ribbon panel to investigate the personal policies and practices of President Crecine. The panel was requested after many former Tech employees claimed that their layoffs had been politically motivated.

20 years ago: August 27, 1982—In a drug raid in Decatur, two former Tech students were arrested with possession of a controlled substance with intent to distribute it. The two men were operating methylenedioxy amphetamine labs.

30 years ago: August 18, 1972—The Tech entries in the Urban Vehicle Design Competition produced impressive results. Members of teams representing Mechanical, Electrical and Aerospace Engineering departments placed in the top 10 out of 78 entries. The vehicles were evaluated in many areas of concern including emission levels, handling and costs.

Breaking the Bubble

www.bubble.nique.net



A lot of things went on outside of the bubble of Georgia Tech this week. Visit www.bubble.nique.net to find links to complete articles about the stories below and other important issues.

Bush hosts Saudi ambassador at Texas ranch

President George W. Bush hosted Saudi Arabian ambassador Prince Bandar bin Sultan at his Crawford, Texas ranch on Tuesday to discuss Iraq, the Israeli-Palestinian conflict, and the fight against terrorism. During the meeting with Bandar bin Sultan, President Bush stressed that Iraqi leader Saddam Hussein is "a menace to world peace." While Bush will most likely not address U. S. military action against Iraq, he will try to ease tensions between the U. S. and Saudi governments that have risen since the September 11 attacks when 15 of the hijackers were identified as Saudi nationalists, and last month when over 700 relatives of the attack victims sued the Saudi and Sudanese governments.

Georgia drops to 50th in state test scores

Average SAT scores in Georgia for 2002 stayed consistent at a 980, but as a result, Georgia dropped from 49th to 50th among the states and the District of Columbia. The combined score is 40 points behind the national average of 1020. Georgia officials have explained that the average score is relatively low because so many seniors take the test. The score also ended the state's streak in rising SAT scores.

Finalists named for 2012 Olympics

New York and San Francisco were named Tuesday as finalists to host the 2012 Summer Olympics. The U.S. candidate will be picked on November 3, after which will come the international competition. New York had been considered the sentimental favorite following the September 11 attacks, and San Francisco was chosen because of its weather, waterfront, and scenic attributes, among other strengths.

Council Clippings Senate and House

House approves financial slate format

By Tony Kluemper
News Editor

The Undergraduate House kicked off the 2002-2003 school year on Tuesday night by adapting a new set of special rules of order that according to UHR executive vice-president Nate Watson should "streamline the process for financial meetings." The rules of order called for the establishment of a financial slate system where all financial bills passed by the Joint Finance Committee will be placed on a slate that will voted on as one joint bill by the house.

According to Watson, over the past two years the House has failed no bill under \$2,000 if it was first approved by the JFC. "This would basically create a slate of bills that we almost always pass," Watson told the UHR representatives when introducing the rules.

Although many felt that this would help to cut some of the debate associated with the financial bills, others wondered if this was giving too much power to the JFC. "We may be giving up too much of our responsibility to look out for our constituents when deciding what bills are reasonable," said Biology representative Brad Bolton.

Bolton felt that many times representatives do not look over the bills to be voted on until the meeting and therefore would be unable to determine if a bill is reasonable enough to be on the slate.

However, others felt that the fi-



By Daniel Uhlig / STUDENT PUBLICATIONS

Economics representative Mike Roberts and other recently approved appointees to UHR were sworn at last Tuesday's meeting of UHR. The House discussed a new financial slate system, which they approved.

financial slate system would be beneficial to the House but only if members themselves take the initiative to clearly look over the bills before coming to the meeting. "We [representatives] need to be more responsible by looking over every bill to see if we want to pull it from the slate," said Vice President of Administrative Affairs Eric Clopper. "This system will be beneficial to the UHR because it will give us more time to focus on more important issues."

Furthermore, many members pointed out that the guidelines set up in the rules would prevent the JFC from taking on too much power. The rules state that bills coming from the ULR that are over \$2,000 would not be included in the slate. Any bills coming from the Capital Outlay that are over \$5,000 would not be on the slate. Instead, these bills would be presented to the House in the current format. In addition,

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Alcohol

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efits, according to the Dean's Office, of such a program far outweighed its financial cost.

"With a tech support line associated with the course, it is easier for students to access and complete it," said Associate Dean of Students Bill Barnes, who sat on the committee.

"Courses are more detailed, so we have a better assessment of whether a student learned it, as opposed to simply looking at a completed final worksheet. Students were asked to evaluate particular courses in terms of their language and level of engagement."

The online courses will also feature an administrator account, allowing the class instructors to understand the rate of progress of every student.

The fines will also increase at

the second and third levels of sanctions. The model will still feature the effective nine-hour "Prime for Life" alcohol education course, instructed by a two-person team.

The increased fines are largely due to the fact that nearly 44 percent of alcohol violations were at the Level II stage last year, which prompted a greater need for instructors, and thus an increase in certification costs.

Level III violators will also be required to take the Prime for Life class if they have not already done so. In addition, the fines will increase from \$200 to

\$225, \$200 of which goes directly to a substance abuse assessment and counseling service, contracted directly through Georgia Tech.

"The only major change is that the amount of money you pay will go up for educational activities. However, it is not that we're saying the behaviors themselves will be treated more seriously than last year," said Barnes.

However, students within the Undergraduate Judicial Committee (UJC) expressed concerns that there should, in fact, be greater penalties made against other forms of violations relat-

ed to the alcohol sanctions.

The UJC argued that under the current system, DUI offenders were simply given a warning, instead of what should be a complete suspension.

Similar discussions were raised regarding the use of marijuana and fake IDs. Forged identifications, for example, are considered by some to be an identity theft, and should be treated as a state felony.

Holistically, though, the sanctions were submitted through the UJC without much deliberation.

"The deans explained that the fines were necessary for the new programs to continue," said UJC Chief Justice Daniel Crook. "The funds are sent for proactive purposes; nothing is solely punitive."

The modified alcohol sanctions are expected to go into effect on September 15.

"The deans explained that the fines were necessary for the new programs to continue."

Daniel Crook
UJC Chief Justice

UHR

from page 3

by a request of one-fourth of the members present a bill could be taken off the slate and voted on separately.

Although numerous House members debated the issue heavily, in the end the financial slate rule of order received more than enough votes to pass.

The discussion of these rules of order took up a substantial amount of time towards the end of the meeting, but before the debate began, the House addressed several other issues.

Over the course of the meeting, the House passed four bills pertaining to the approval of appointments made by Presi-

dent Tiffany Massey. The first of these bills asked for the approval of twelve newly appointed representatives for offices that were left open after last spring's elections.

In addition, the House approved Chris Webb's appointment as Joint Finance Committee chair as well as Tim Cailloux's appointment as the Joint Campus Organization Committee chair.

Two committee chairs were also decided during the meeting by a vote of the House. Senior class president Lindsey Mazza was chosen as the executive nominations committee chair. The House also chose freshman class president Vickie Cherry as the

chair of the House Advisory committee, a committee created to deal with misconduct among the UHR members.

Another issue addressed at the meeting was the election of offices that had yet to be filled. Katie Rhode was named secretary in a secret ballot vote, while Ben Lawder was named treasurer after running unopposed. Mindy Park, Jeffrey Ennis, and Alan Bakowski were all accepted as the Members-at-Large for this year.

Watson also asked the members of the House to consider issues concerning the undergraduate student body that the representatives would like to discuss in future UHR meetings. This

idea proposed so that UHR can better address the problems faced by undergrads.

Before the meeting concluded, Massey reminded everyone that SGA would hold its annual open house next week. Massey hopes to attract members of the student body who are interested in seeing how SGA works. All members of the Tech community are invited to attend the event.

Although the Graduate Student Senate did meet on Tuesday, they failed to meet quorum and adjourned without passing any bills. At next week's meeting, GSS plans to approve nominations for numerous offices that have not yet been filled.

Princeton Review ranks Tech unhappy

By Derek Haynes
Managing Editor

Tech may rank high in regards to the quality of the institute's engineering programs, but according to the 2003 Princeton Review college rankings the school has a long way to go in the quality of life on the campus as a whole.

The most glaring Tech appearance in the poll was the school's second place finish in the "Least Happy Students" poll. Tech finished behind University of Missouri-Rolla and just ahead of third place Loyola Marymount University in the poll. Spelman College of Atlanta also made the poll, finishing in 19 place.

Tech's inclusion in the rankings did not end there. In fact, many of the other ranking may have explained why Tech's students seemed to be so unhappy. When ranking schools whose professors "Sucked all like from the material," Tech ranked in at fourth. However, it was the University of Toronto who ranked in with the professors who left something to be desired.

Tech gained a top ranking in the "Don't inhale" poll, which ranks the schools where marijuana use is least likely. Brigham Young University and the California Institute of Technology rounded out the top three on the poll.

According to the rankings, the housing options at Tech were not up to par with most students as the school ranked sixth in "Dorms like dungeons." However, Boston University came out on top by finishing first in the "Dorms like palaces" category.

Along with Tech's housing options, the rankings showed that many feel that the food available on campus is less than desirable. Tech ranked 14 in the "Is it food?"

See *Rankings*, page 7

Ramblin' from page 1

body as a whole by building a stronger community. "Our goal is for the program to build a stronger, more spirited community," said Crawley.

Once the decision had been made to pursue the idea of Ramblin' Nights, Crawley and DiSabatino began to generate a list of campus groups that would have the power or pull to organize an event of this magnitude. The group then presented the ideas to the largest groups on campus including the Student Center Programs Board and the Athletic Association to get a feel of how much interest there was within these organizations. Numerous organizations were interested in getting involved; in fact, Crawley was amazed by the amount of interest in the project.

"The support from the beginning from students and student organization leaders has been amazing," said Crawley. "So many people were interested in helping to organize the

events and joining the organizing committee."

After it became evident that there was enough interest to go ahead with the project, the newly formed committee began to plan late night programming for the night before five of the six home football games.

"The more noise they [students] hear, the more likely they will be to attend."

Joeleen Akin
AA Representative

The group decided that since numerous programming events surround the Homecoming game, a Ramblin' Night event was not necessary for that game. "We wanted to supplement the events offered by the other organizations on campus," said Crawley.

The committee then took the

idea to large campus groups to see who would be interested in sponsoring and organizing one night of the events. According to Crawley, the Student Center Programs Board was one of the first groups to express interest in organizing a night. "We went to the Student Center [Programs] Board first and let them pick which night they wanted to organize," said Crawley. "They chose to take the night before the FSU game which we expect to be one of the biggest games of the year."

The first of the Ramblin' Nights events kicks off tonight at 10:15 with the Athletic Association hosting the event this time around.

Tonight's festivities will feature the Tech marching band as well as a performance by To Whom It Concerns, a local band. Athletic Association representative Joeleen Akin, who is coordinating tonight's event, hopes that the music will attract students walking by.

"The more noise they [students] hear, the more likely they will be to attend," said Akin.

Students will also have the op-

portunity to have pictures taken with the Ramblin' Wreck beginning at 9:45 p.m. outside Gate 1 of Russ Chandler stadium.

For those students looking for some free food, the event will provide 3,000 wings to students attending. The wings will be served

"If this year is successful, hopefully we can make this [Ramblin' Nights] a tradition."

Sherry Crawley
Ramblin' Nights coordinator

on a first come first serve basis. In addition, students will receive an introduction or refreshing course in Tech traditions when the Rambling 'Reck club presents Tech's two traditional songs, "Ramblin' Wreck" and "White and Gold."

Throughout the night, students

will have a chance to win 100 tickets to the FSU game to be played November 15.

The night will also feature two contests that students will feature randomly selected student participants. Students have a chance to win over 200 wings from Wing Zone in the wing eating contest and additional prizes in a Dizzy Bat Race. The night will conclude with a viewing of *Remember the Titans* that begins at midnight.

Tonight's event is only the beginning however, as Ramblin' Nights will take off again on September 20, the night before the BYU game, when SAC hosts a casino night in the SAC gymnasium. The other events of the year will take place the night before the Wake Forest game October 4, the FSU game November 8 and the Duke game November 15.

Crawley hopes that the program will become an annual event. "I think it will become an annual event," said Crawley. "If this year is successful, hopefully we can make this a tradition."

Tech to unveil new web presence

By Tony Klumper
News Editor

When students return from the Labor Day break, they will find a drastically changed web presence for Tech. The first major redesign of Tech's homepage since 1997 will go online early Tuesday morning.

Students have long complained that Tech's homepage has started to appear updated for such a technologically advanced institute. The page will no longer center on the photo of the student who has become known as "Giligan" due to his Giligan's Island style hat. Instead, students will find a more innovative look for a greatly increased web presence for the Institute as a whole.

According to an Institute Communication and Public Affairs (ICPA) press release, the new homepage will feature two navigational menus that will allow students to search through the site in numerous ways. In addition, the page will feature a newly created rotating current news and events section.

Planning for the new site began over nine months ago when ICPA began working with local computer consulting firm MacQuarium to redesign the site. The building process, which consisted of numerous test runs for the site, took over three months and should be completed in time for the launch on Tuesday.

Although students will notice the changes to the homepage almost immediately, it is far from the only page to go through the redesign process. In fact, over 200 of Tech's most used pages have undergone a total re-organization. These changes will attempt to make the site eas-

ier to navigate for off-campus users whether they be prospective students, alumni, or others interested.

Bob Harty, Executive Director of ICPA, commented on how the new site will be especially beneficial to those off-campus users. "This is a dramatic revision of the top tiers of Georgia Tech's web presence," said Harty, in the ICPA press release. "The old site was centered around the way Tech's departments are or-

"We hope that these changes ultimately help Georgia Tech continue to attract the best and brightest to our actual and virtual campus."

Bob Harty
ICPA Executive Director

ganized and used a lot of terms that people outside of Tech don't necessarily understand."

"The new site is much more intuitive for the public use. I think that our external users will find it dramatically easier to use."

In order to achieve easier navigation for users, the site will feature new developments including an audience-based navigation menu along the top of the page featuring information for prospective students, alumni and current students. Along with the top menu, a subject menu will run along the left side.

ICPA manager John Taylor, who

coordinated the re-design of the site, felt that the new site makes it easier for prospective students to understand and navigate the site due even if they were not familiar with the website.

"In the past, users often had to know exactly where to go on the site to find the information they needed," said Taylor. "You would have to keep searching and searching and you still may not have found what you were looking for. It's [the redesign] a major departure from where we were."

Benefits are not exclusively for those not familiar with Tech. For those users who are more familiar with the organization of Tech, the new categories will make it easier for students to get to the exact page for which they are searching.

In addition to an easier navigation system, the new site will employ a content management system, called Dynabot, which should promote fresher content and improve the spreading of information on the site. By using the new system, different departments will now be able to push the information they post onto a multitude of other pages. Furthermore, when any information is updated it will be automatically changed wherever the information appears in other areas of the site.

The re-design has also brought the site in full compliance with the American Disabilities Act and World Wide Web Consortium (W3C) standards, which will make the site better suited for certain technologies used by the handicapped.

Jeff Smith, a senior web devel-

See *Website*, page 9

Campus Progress SAC II work continues



By Daniel Uhlig / STUDENT PUBLICATIONS

Construction on SAC II, which began late in fall semester 2001, is on schedule to be completed in fall 2004. Construction crews are currently working to enclose the former Olympic pool area.

Rankings from page 5

category. Tech students should be glad they don't attend the Colorado School of Mines or Hampton University who rounded out the top spaces in the category.

In another of the rankings, Tech finished 18 in number of students "nostalgic for the Reagan administration." Tech did not rank, however, in the number of students "nostalgic for Bill Clinton." Students at the University of California-Berkeley were high on that list.

On a positive note, Tech sneaked

into the top ten in the "More to do on campus poll" with a ninth place finish. The University of Maine was the top ranked in this poll.

Many of the rankings showed a large variation from the review's 2002 rankings. For example, Tech, ranked fourth in 2002 rankings of "Their students never stop studying," fell to 18 in the 2003 poll.

The rankings in the Princeton Review poll are based on surveys of over 100,000 students. Most of rankings are based solely on student feedback and reflect a high consensus of opinion among the school's survey participants.

Rush

from page 1

til midnight, right?' but we turned out to have a great rush in the end," said Danielle McDonald, faculty advisor for Panhellenic.

This year, although they did not participate in formal rush, members of Georgia Tech's two local sororities, Chi Omega Tau and Lambda Theta Alpha, were identified by their t-shirts and buttons bearing their letters. Panhellenic does not believe, however, that this drew from the formal rush numbers. "Chi Omega Tau and Lambda Theta Alpha being identified during recruitment didn't hurt Panhellenic rush at all, they simply let the students know what other options are out there for going Greek," said Pesonen. Chi Omega Tau and Lambda Theta will hold their own rush events later in the semester.

Other factors, according to Pesonen, are possibly the low female enrollment overall at Georgia Tech and changing needs of the student body. "Students coming in now could desire different things, and with Tech having over 300 student organizations, it's easy to see why the decision to rush would be a difficult one," she said.

This year Panhellenic introduced numerous changes in their marketing strategies, many of which were believed to be beneficial to this year's rush. For the first time, a "Greek 101" session was included in FASET orientation. Those who attended learned about Greek life in general, statistics in terms of academic and extracurricular achievements, and the overall goals of the Greek system.

"The FASET session definitely helped recruitment, because it made students a lot more informed about the Greek system," said McDonald. Also, the Panhellenic recruitment booklet, which has traditionally been distributed separately, was combined this year with the IFC booklet.

One major achievement, according to Panhellenic, was to cooper-



By Robert Hill / STUDENT PUBLICATIONS

Newly selected sorority members run past a group of student supporters during last week's sorority bid day. Tech sororities enjoyed a successful rush this year due partially to new recruiting techniques.

ate more closely with the Housing Department. "It definitely helped to work with Housing, as it smooths over the relationship between Housing and the Greek system, which has been strained in past years," said McDonald.

This year for the first time, members of the Greek system helped Housing employees with student move-in. Also the Greek community communicated with the Peer Leaders (PL) in FE Housing so that the PL's could give students a more well-informed view of Greek life.

"We've talked to all the chapters to help them abide by rules of Housing. It's better to have a smooth relationship not just with Housing, but with groups like the National Panhellenic Council and just the rest of the community in general," said Freels.

"Having the PL's able to accurately convey information about the Greek system for us to the freshmen particularly helped us."

Pesonen agreed that the change was beneficial. "Not only was it good to have the cooperation of Housing, but the Greek move-in and communication with the PL's reached a lot of people," she said.

Nationally, Greek enrollment has traditionally declined over the years. "Although Tech's Greek enrollment looks like it will be back on the rise, our strongest numbers were in 1998 and 1999," said McDonald. She noted, however, that along with successful marketing strategies, the academic status of Greek women helps to attract new recruits. "We have the numbers to show that Greek life can actually promote scholarship. It helps to dispel the conception that going Greek will hurt your academic life," she said.

"The fact that nearly all of the sororities not only met, but exceeded their quotas, speaks well," said Freels. "We want to take as many of the rushees as possible, and we make every effort to find them a home."

Website

from page 7

oper for ICPA, feels that being in compliance with ADA standards will greatly also assist non-disabled users in viewing all aspects of the site.

"A side benefit is that it also makes it easier for users who are accessing the site through their Palm or cell phone," said Smith in the ICPA news release.

"And because the new browsers are becoming more compliant in the way they read web pages, following the standards will ensure that the pages work properly with all new browsers and operating systems."

According to Harty, the new site will always be a work-in-progress. Harty anticipates that it will take a few months to work out most of the

kinks that will come up with the redesign of a website. "It's the biggest change in the Tech web presence since its inception on campus," said Harty.

"Bear with us as we get through these first few weeks and by all means provide us with constructive feedback. We hope that these changes

ultimately help Georgia Tech continue to attract the best and brightest to our actual and virtual campus."

And many feel that the newly developed site will help Tech to do just that. In fact, Smith said that in some cases the webpage of a college can greatly affect the way in

which that college is viewed by prospective students.

"Research has shown that students judge colleges on the look and feel of their websites," said Smith. "If a website is really lousy, students tend to rate that school lower."

"In the past, users often had to know exactly where to go on the site to find the information they needed!"

John Taylor
ICPA Manager

CS

from page 1

between academic support services and academics," said Ramona Meraz, the FE Academic Support Coordinator.

"We're helping [the CoC] work out any kinks they might have [in setting up the program]. We're helping to guide them through the system."

FE already provides 45 tutors scattered throughout nine different dorms for Chemistry, Calculus, and Physics courses, but, for a variety of reasons, none were available for Computer Science classes until now.

The new CoC plan, yet to be implemented, will be somewhat smaller in scale, at least initially. It would place one tutor on West campus in the Freeman-Montag study area and another on East campus in

the Brittain Rec, every Tuesday, Wednesday, and Thursday night from 8 p.m. until midnight. These two locations were chosen because every student has access to them. The tutors would bring laptop computers to work on enabling them to help students with their assignments at the sessions.

Biggers said the tutors might be hired from current TAs, but not necessarily. She did not know when the tutors would be in place.

"We want to get [the tutoring program] up and running this term, and then evaluate the student response at the end of the term," said Biggers.

"Students here [at Tech] aren't afraid of hard work," said Meraz. "This program will show them that their hard work has some assistance backing it up."

OPINIONS

Technique • Friday, August 30, 2002

OUR VIEWS Consensus Opinion UHR meeting changes

The Undergraduate House of Representatives finalized plans this week to vote on financial bills using a slate system and to center meetings around discussions of topics about which the undergraduate student body is concerned. The slating of financial bills will be based heavily on the Joint Finance Committee's recommendation about the bill.

The JFC is composed of both undergraduates and graduates and gives a recommendation to the legislative bodies on whether or not to pass bills. The new policy of slating puts the JFC, a body which is appointed, not elected, in a position of great power as their approval will be used to slate the bills. Many of the responsibilities that SGA representatives have under the Constitution relates to the disbursement of money. This policy moves the representatives away from this duty and makes them less accountable for their votes on individual bills.

Additionally, it may be inappropriate for nonelected officials to have such power over the workings of the House. SGA elections are held every Spring so that the student body can have some say over the process of how Student Activity Fees are spent. This new process may reduce the value of the elections if students feel that their elected officials have less power over the legislative process.

Even if all of these obstacles are overcome, the current policy sets the monetary limits for inclusion in the slate much too high. \$2000 is a significant portion of student activity fees. Any group requesting such a large sum of money should be required to justify their costs not only before the JFC but also before the UHR. This system of individually considering each bill will help the student body to evaluate whether their funds are being spent wisely or not.

The other portion of the UHR's plan, to hold issue-based meetings, is questionable in many ways. What issues will be discussed? How will they be determined? What action will UHR take on these issues? What will be the tangible product from this change? The main concern that arises from this new system is what sort of results can be expected from these conversations. Constituents must be able to see some benefits from the new system for these changes to be successful. The new system is highly confusing, and without more information, it will be difficult for students to communicate to their representatives their opinions on both the issues covered and the new format of the meetings.

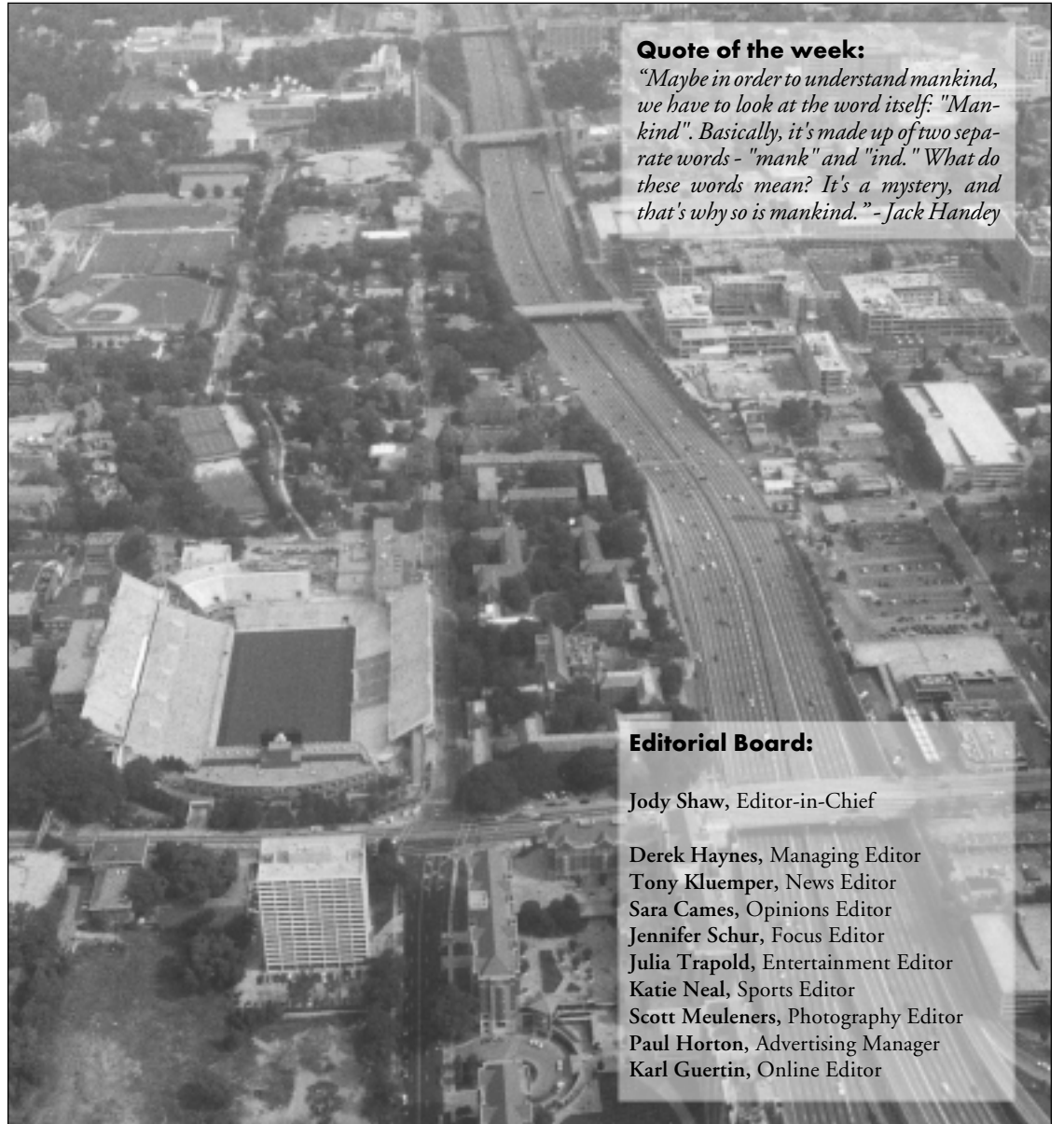
CoC and Housing tutoring

The move to place tutors for the introductory Computer Science courses in the freshman dorms is a truly monumental step in the right direction. This policy will allow more students to get help on their own time table while also improving the ability of the College of Computing to teach Tech students the essentials of computing.

The tutors selected would ideally be Teaching Assistants for the course already, but as this will probably be impossible given the demands that are already placed on their time, the tutors should be as qualified as possible. These tutors should be trained to give consistent information so that all students will have equal opportunity to excel.

This policy will help Tech with more than the grades in its Computer Science courses; hopefully, the effort that Tech is putting into improving undergraduate education through initiatives like this one will show up in significantly better retention rates.

Consensus editorials reflect the majority opinion of the Editorial Board of the Technique, but not necessarily the opinions of individual editors.



Quote of the week:

"Maybe in order to understand mankind, we have to look at the word itself: 'Mankind'. Basically, it's made up of two separate words - 'mank' and 'ind.' What do these words mean? It's a mystery, and that's why so is mankind." - Jack Handey

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ROBERT HILL

Tennis Center policy harmful to students

I have a problem with the Tennis Center policy of holding the student IDs while using the courts. Currently, at the entrance to the Center a student has to leave his or her ID on a table with the attendant before gaining access to the courts.

Almost every time I have been to play over the last few weeks, either on my way in or out, the desk was unattended, and the student IDs were laying in plain view. My concern is that anyone can just walk in and steal the IDs. This would result in a personal expense (cost to replace it), a potential loss of funds (I have a lot of money on the ID), and a security risk since the ID acts also

as a key to get into secure buildings/research centers and parking.

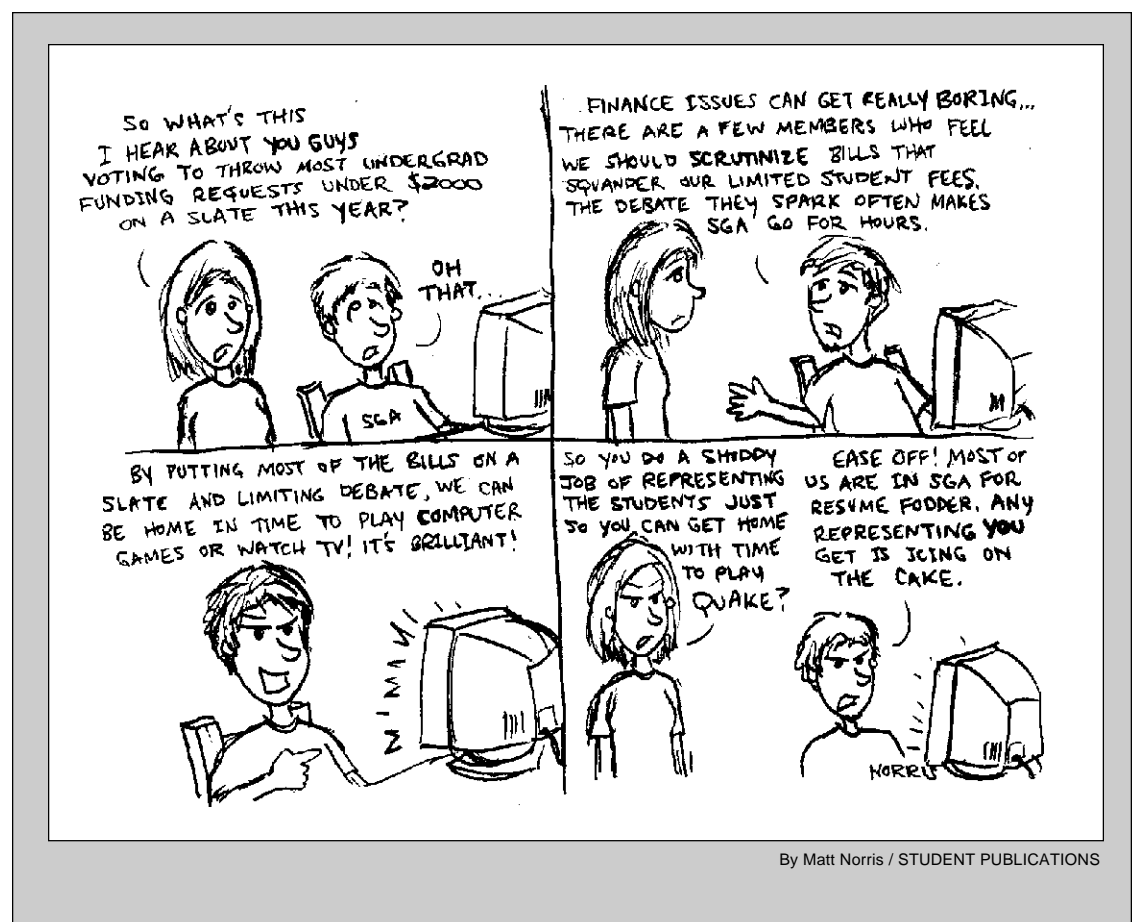
When I spoke with a member of the tennis center staff, I was told that the policy was established because students pass the ID through the fence and non-Tech people get in. When I asked why not compare the picture with the person, I was told that many times it's hard to tell. What's the role of a picture ID if it can not be used as identification?

As I continued to complain, I was told that if I don't like the policy, I should go play at the courts on Peter's parking deck; why are those available to non-Tech people?

While I understand why the center's staff implemented this policy, I still think that the risks and potential losses outweigh the benefits of this policy. Since the booth was unattended so many times, non-Tech people can still just walk in, while Tech Students can have their IDs stolen.

The Tennis Center could fix this problem in many ways: have the booth attended continuously, or ask for the student ID and another picture ID (at least one of the pictures should match the person!).

Tudor Palaghita
gte084x@mail.gatech.edu



By Matt Norris / STUDENT PUBLICATIONS

Ethics education essential to becoming a leader

This past year Georgia Tech featured a definite increase in the attention given to ethics. From the College of Computing cheating scandal to the falsification of information in our coaching staff's résumés, Georgia Tech's ethics have come before the world and have been found lacking. We must explore new and innovative ways to fix these problems and to help everyone at Tech become honorable.



"What better way to mature the values of ethics and integrity than through the challenge that Tech academics represent."

Sara Cames
Opinions Editor

It's not just Georgia Tech, however. Ethical issues have touched many different areas of our culture recently. Enron and WorldCom have presented to the world the negative effects that shady business practices can have on vast numbers of people and indeed, on our entire economy. We also have become increasingly aware of the ethics of our leaders, leading to a national debate on whether or not candidates' personal lives should be involved in elections.

All of these happenings have sparked ideas about how to educate people about ethics and how to then convince them to use this education to act ethically. This concept of how to get people to "do the right thing" is as old as human society itself, although our conception of ethics has changed drastically. What we here at Georgia Tech must ask ourselves is how effective our education is in teaching students here about the value of ethics and integrity.

Many people claim that attempting to educate people about values is impossible, especially when trying to educate those in college. These people argue that values are already developed by the time one reaches college age and that significant change is incredibly difficult. Any develop-

mental theory, however, posits that although basic values may already be set, the maturation of values will almost certainly occur during college. What better way to mature these values than through the challenge that Tech academics represent. To help us successfully navigate these challenges, Tech must provide us with the resources and support to make the right decisions. College is supposed to teach us about how to be effective people; one factor of this is being able to make ethical decisions in real-world situations where the right answer is not always obvious.

Tech currently does a fair job of introducing its students to what comprises ethical behavior. Students are first introduced to what is expected of them at college at FASET. This year Tech did an especially good job of integrating these concepts into many different presentations. The FASET leaders were trained on ethics, the SGA welcome often included a mention of the importance of integrity and, of course, the Honor Code presented to incoming students a very concrete way in which Tech expected ethical behavior from them. It is essential that freshmen be educated on what Tech expects of them from multiple points of contact; this way,

the idea that ethics is important is made obvious to freshmen.

Beyond this official introduction, Tech students encounter ethical decisions in the classroom every day. We are all forced to decide our own personal stance on all the academic decisions we are faced with here. From copying someone else's paper to witnessing cheating and not reporting it, ethical decisions have become an essential part of our education. Most majors now have a class on ethics as one of their requirements, although Tech could make many improvements on their course offerings in this area. Additionally, Tech is now offering an academic integrity seminar for those who are found responsible for cheating. This activity, placed as it is in a classroom setting, allows ethics education to be integrated into the academic environment, a property that will be essential if teaching integrity is to be successful.

One additional way that Tech could drastically improve in this area is to encourage more professors to be involved in actively discussing issues of integrity with their classes. Professors must show students that they are willing to help them be ethical. This can be done by professors being available and making sure that their students have the resources

they need to learn the material. No one can doubt the benefit of hard work in learning material; however, there are many things that professors can do to make a more ethical environment a reality, including communicating what is expected in the classroom, providing examples of the testing mechanisms that will be used, and frequently revising the evaluating materials.

Tech also provides students with the opportunity to be ethical with the coop program, undergraduate resources, and internship opportunities. It is real life experiences like that allow us to put our ethics into practice.

Finally, Tech is also trying to expand the role that ethics plays in our lives outside of the classroom. One of the best ways to develop one's ethical sense is to serve on one of the many hearing panels that Tech has. The development gained in these is unparalleled in other student organizations. Basic involvement in other activities at Tech also fosters the values of honesty and integrity, especially as Tech continues to expand its use of the Leadership Initiative, one of the tenants of which is ethics.

While many may argue that attempting to teach ethics is a fool's errand, I think it is Georgia Tech's responsibility to be on the cutting edge of this area as we are in so many others. The use of technology especially requires a strong and developed sense of integrity and fairness. The skills we will learn here should be continuously augmented by knowledge of the power that our education gives us and the ability to use it to help others in an honorable manner.

TECHNIQUE

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Established in 1911

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Princeton Review confused about Tech's nature

So six years ago, the city of Atlanta decided to build several acres worth of brick buildings, spending millions of dollars in taxpayer money. Unbeknownst to most Atlantans (and even most Tech students), though, was the fact that the city was ACTUALLY building dungeons. Indeed, rows upon rows upon even more rows of dark, dreary, dismal dungeons. And now they're all commonly known as your dorm rooms!

This is all according to the Princeton Review, that adored team that cooks up hundreds of ways to "help" students decide where to go to college by making them "pay" (money's no object for the gains of an education, right?) for "books" and other such accoutrements vital to learning which college has the most students nostalgic for Reagan (for the freshman engineering majors: don't worry, you weren't alive then, you aren't expected to know him; but Tech was number 18 in this category), a statistic without which I know I wouldn't have felt right making my college decision.

By the way, I sought the advice of the Princeton Review's "counselor-o-matic" which is supposed to match you to your reach school, your perfect fit, and your fall back school. My perfect match? The University of Georgia. Enough said about the validity of the research and college-knowledge skills of this rinky-dink site.

Almost in support of our number one ranking in the "Don't inhale" category, I received an email



"We've got the second least happy students with the most to do in the ninth ugliest place to do it."

Jennifer Schur
Focus Editor

with a link to this all-telling and sordid guide no less than 5 times. You might be wondering, what does "Don't inhale" mean? My initial take on it was that we have so many potheads roaming Ferst Drive and Cherry Street, hot-boxing Stingers left, right and center, and piping (oh, bad pun) green plant aromas through the air ducts of the super-cool newly-redone library that you shouldn't inhale if you want to remain straight-headed.

Alas, the true explanation of our ranking is much more mundane. We are the tops of the non-partiers, head of the boring, president of the party poopers. What about those LAN parties my friend was telling me about? Don't tell me the Princeton Review is hating on a different kind of fun.

After all, Tech is ranked number nine for "Students from different backgrounds interact." We're an accepting campus and can appreciate people with all sorts of majors (I know plenty of INTA majors who are friends with CS majors); even more impressive, I know plenty of guys who know more than five girls! This online fad is nothing new.

Instead, quite frequently most of campus is flooded with the same email about the same airline deal or the same mall sale or the same magazine poll in which to vote. For example, I felt my own brush with celebrity when I caved in to an email telling me to go to Time Magazine's site. Last year, I was one of the many Tech students who helped vote George P. Burdell into the spotlight as Time's Person of the Year for a couple of days in their online poll.

Maybe it's instances like these, then, that earn Tech the number 18 ranking in "Students who never stop studying." Tech breeds an internet and constant email checking addiction and dependency that is shrouded from the world with the excuse that all of our students are studying intently on their computers, which happen to be tucked away in the corners of their respective dungeons.

Perhaps we seek solace in the far away lands the internet constructs in order to escape our "tiny and unsightly campus" (we're number nine in rankings for this accolade). Or perhaps it is because the "professors suck all life from materials"

(Tech's a whopping 4th for this doozy). In any case, I'd say that the Princeton Review's discouraging rankings of Georgia Tech are probably why Greek recruitment was down this year.

Anyway, at least we can rest easy knowing that if we ever finished studying there'd be a great wealth of activity for us to explore. The Institute is ninth in the ambiguous "More to do on campus" class.

I recently conducted a survey, in which I rigorously adhered to the same high scientific standards the Princeton Review used. After asking the five people I live with (plus my roommate's fish) what they felt this classification means, I've concluded that it means there's more to do on our campus than at most colleges.

Maybe the Review board needs a refresher in irony—we've got the second least happy students with the most to do in the ninth ugliest place to do it.

After this critical analysis of the "well-respected" Princeton Review's latest marks gathered from students around the country, it seems clear that what Tech students should really be ranked first in is complaining about their own school.

I say we join together and show these "Princeton" people how great our campus is! Let's rebel against our self-created stereotype! If you're with me, toss that frown aside and leave your keyboard! Let's go do something wild and crazy...but we might have to contact UGA friends for some ideas first.

Alumnus reminisces about Tech of old, offers advice to freshmen

I cannot believe that it is almost September again. I know that due to the semester conversion, most of you do not remember starting Fall in the middle of September. Bear with me while I remember the good old days while I pathetically try to recapture my youth.

Back in '92 Smith Hall was just a little bit different than it is today. To begin with, the rooms were baby blue painted cinder block with a concrete floor. The furniture was not the nice wooden lofts of today. They were metal bunk beds.

There were times as I lay in bed that I thought about how many people had gone through what I was going through in that very room. The dorm was built sometime in the 1930's, some 60 years ago (well 60 years ago in '92).

Funny how the 1990s and the 1930s could not be any more different, but the students who inhabited the dorm then worried about the same things that I was worrying

about. Will I fail Calculus I? I miss home. I think I made a mistake; I don't really want to be an engineer.

Back in 1992 Smith was across the street from Techwood, which was both a dorm and a crack neighborhood. It was not uncommon to find used crack pipes outside the dorm and to hear gunshots at night.

But of course you wouldn't know anything about that now that they have torn down the dorm and the neighborhood. Junior's used to be across the street from Smith Hall? They had lovely pancakes on Saturday mornings...

The computers back in 1992 were just a bit slower than today. I remember when the guy across the hall got a 486dx25. My God it was the fastest desktop I had ever seen.

One day I was in the Rich building with a computer geek friend and she told me that there was this thing called "email" and the "internet." My friends and family could not believe that I could send an

email to anyone in the world. I knew that the Internet was here to stay when one day not to many years ago I heard my mother talking about sending emails and chatting in chat rooms. Isn't it funny how things go from cutting edge technology to everyday use by your mother?

We used to surf the web using Mosaic. This was a long time before IE and Netscape. Then there was writing the emails in VI. That damn "Esc : wq" to end your message. I thought I had died and gone to heaven when someone showed me a nice editor called Pico. Amazing.

Everyone in the administration used to love to talk about "Green Spaces" on campus and how we needed more of them. Where the fountain and concrete amphitheater are outside the Student Center, there used to be a very large grassed hill. It was perfect for lying around in the sun getting some sleep or a tan.

But hey, they gave you nice, cold

concrete seats around a fountain with a huge, ribbed shaft. Nice. What exactly is their definition of "green space?"

Then there were the endless hours playing Netrek in the French building. For those of you who are not familiar with the game Netrek, I urge you to ask your older siblings about the game, or do a search, download the COW, and have fun.

If you ever look up stats and all time records, look up I Eat Torps!. That would be me! Too bad that it has been proven that your GPA is inversely proportional to the number of Netrek hours played. But I sure had fun!

I say all this to remind you that all glory is fleeting. One day you will look back and realize that it has been ten years since you left home for Atlanta and Georgia Tech. Enjoy your time and learn what you can. Trust me, you will eventually finish and get your diploma. It may take a while but you will finish.

There will be classes that you have to take that have nothing to do with your major. These can be a real pain in the butt.

However, you never know when you will actually need to use that stuff down the road. As a Civil Engineer I just knew that I would never need any information from that damn EE class on circuits.

Well, I just got finished looking over a set of electrical drawings for a new well I am working on and I must say that the drawings looked like a bunch of Hieroglyphics. So take every class seriously because you never know when something is going to come back and bite you in the hindquarters!

By they way, I have never ever used Calculus for anything! You can take that to the bank! Enjoy your time at Tech!

Mike Talley
CE 1998
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Buzz Around the Campus



Question of the week

“What would you improve or change about parking?”

Feature and Photos by
Christopher Gooley



Caroline Burnet
ARCH Senior

“Have a better way of determining who gets permits...”



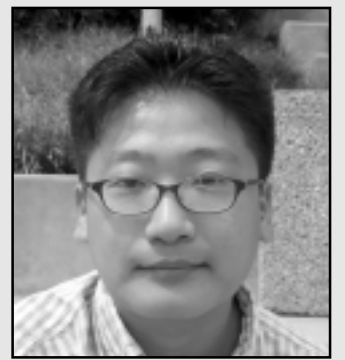
Caroline Seabrook
PSYC Sophomore

“They could give me a spot!”



Daniel Arnett
ME Senior

“They should assist us rather than just making money off us.”



H. Joon Jang
ISYE Grad

“I don't see a problem.”



Jinwoo Kang
ECE Grad

“More parking lots!”



Kah-Mun Low
ECE Grad

“Make it cheaper!”



Lauren Piper
STaC Junior

“It's not right that the parking people work on commission.”



Meg Monaco
CE Sophomore

“Why can't they make the buses run on time?”

IAC facts out of date

The *Technique* did its usual fine job with the first issue of the year. However, one correction needs to be made in your “Freshman Survival Guide.”

In your article on how frequently Tech students change majors, the *Technique* reported that “only 61 percent of the students originally admitted into the Ivan Allen College actually graduated from IAC,” and that “liberal arts and social science majors tend to switch away from those programs more frequently, most often into management.”

These statistics are misleading because they used the 1993-5 freshman cohorts. In those years, Ivan Allen College included the School of Management.

When IAC divided and Management became the Dupree College in 1998, many IAC students left IAC and moved to Dupree but only because they already were management majors. A more valid comparison might use the 1996-1999 period, when 334 students moved into IAC from other GT colleges and 150 moved out (not counting those who were originally IAC/Management).

Incidentally, the primary sources of internal GT transfers into IAC majors have been Computing and Biology, followed by ME, CMPE, IE, and UEC.

Richard Barke
Associate Dean, Ivan Allen College
richard.barke@iac.gatech.edu

Responsible college drinking starts while still at home

By Jessica Velez
Daily Texan

(U-WIRE) University of Texas at Austin—Recently, the American Medical Association asked The Princeton Review to eliminate their “Party Schools” list from the Best College series. Not only did this list provide an easy reference for worried parents (now why did Johnny choose that school?), but it also showed prospective students at which universities one could find both an education and a social life.

But this sort of view is not one that educators joyfully endorse. They want to present parents with the image of a pristine center of education where their child will diligently study for hours and make straight A’s with little effort thanks to the academic atmosphere.

A wake-up call is in order. To believe a student will go to a university and not attend at least one party with alcohol is naïve. Colleges have earned their alcoholic reputations, but college life is not a 24-hour binge party unless the student makes it so. Responsible drinking can be part of an academically rewarding college career.

Parents need to wake up and take responsibility for their child’s potential actions. If the student was raised in a home where alcohol was treated as some sort of repulsive disease rather than the staple of human society it is, the child will have an immature view of world in which alcohol use is a reality. A student who is raised in a house where alcohol is a dirty word is far more likely

to indulge him or herself than a student who was raised in an alcohol-tolerant environment.

The ability to drink responsibly is not something that magically materializes on one’s 21st birthday; it is something that must be learned and acquired. But to think that parents will take a more tolerant view towards drinking, especially with the incessant drunken-driving murders that occur, is also naïve. Because of social taboos, alcohol has

“The ability to drink responsibly is not something that magically materializes on one’s 21st birthday.”

become what parents fear most: a lethal agent.

The United States is renowned world-wide as a stodgy country when it comes to drinking—many other countries have younger legal drinking ages, some of which are younger than a child’s driving age. This gives a child the opportunity to learn his or her alcoholic limit and thus become a responsible drinker before potentially becoming a hazard on the road. But because the United States treats underage drinking as the Forbidden Fruit, it has become a social taboo, practically a brag-

ging right: “I got totally wasted at last night’s party.”

For many who have been refused the seeming privilege of drinking previously, their first time drinking heavily can be a terrible, even scary experience, complete with bingeing and eventually passing out. The risk is far greater for these types of people than for a person who has been taught from an early age to respect the potential effects of heavy drinking, and even come to realize their drinking limit.

First-time drinkers can make it a nightly habit, having suddenly discovered the hazy joy of being drunk. Some can even become addicted to this sensation, and this is far more fatal to one’s academic life than an occasional drink. For those who have imbibed before, alcohol has lost much of its mystery, making it an almost common-place experience. The more one has experienced hangovers, the less eager one is to do so again.

A responsible drinker is taught to respect alcohol for the lethal agent it could become, not fear it or see it as some sort of far-away privilege that only others are able to enjoy. Both of the latter views only serve to make alcohol more enticing overall, a strange yet popular—and therefore good—product.

Even worse is when the parent tells the student they shouldn’t drink at all. To tell a child not to do or say something only fills the child with a sudden insatiable urge to do or say just what they were told not to. This reverse psychology does not disappear with age—perhaps the ability to resist becomes stronger,

but it is a well-known fact that peer pressure is the most powerful force on Earth, up to and including natural disasters. Therefore, a parent should simply know that words alone will not suffice. Teaching by example is the way to go.

This is not to say that all college students who were raised in an alcohol-free environment become incessant drinkers when they hit college. Some of them develop an aversion to drinking in general, and some

“Because the United States treats underage drinking as the Forbidden Fruit, it has become a social taboo.”

are mature enough to handle the entire situation without previous experience.

Parents cannot assume their child has this level of maturity; it is far better for the student’s safety for parents to assume the opposite, and raise them to accept and respect alcohol for what it is, what it could become, and what it can be. Lack of alcohol during childhood does not provide protection against future alcohol abuse. It is only through knowledge and wisdom that college students will learn to act responsibly with alcohol.

FOCUS

Technique • Friday, August 30, 2002

Yellow Jackets Rock

These Tech students break the mold, use their right brains and create rock music between classes. **Page 21**

A Swimming Success

Read about the swimming achievements Shilo Ayalon, an international student from Israel, as he splashes his way to victory. **Page 32**



Energy woes worry Tech's utilities group

Tech authorities call on students to conserve their energy consumption as prices skyrocket during peak use hours. Tech's goal is to increase the school's already-high efficiency and ward off possible future energy crises.

By Narendbra Seshadri
Contributing Writer

Recently, there has been a greater amount of attention focused on saving energy on campus because of the energy crisis in California and other parts of the United States. This reinforcement by the Department of Housing is primarily to ensure that such a crisis doesn't occur on our campus. Several different slogans are favorites of Housing, such as "when not in use save the juice" and "conserve the energy."

Sameer Savant from the Utilities and Energy group of the Department of Facilities points out that, "Georgia Tech is not facing an energy crisis." But in order to prevent such a crisis, the Department is sending emails to both students and faculty to save energy—part of Tech's "energy conservation program."

Energy should be especially conserved during the late afternoons, when the price of electricity is highest.

Sophomore Narasimha Bayanna said, "Turning off the lights and whatever electric utilities [one has],

especially the computers, would help." Bayanna states that a wise idea in dorms would be to "turn off the lights in the lounges when they're empty," and perhaps "keep only one light on in the hallway at night."

"An extreme measure would be to ration electricity!" concludes Bayanna.

The Department of Operations and Maintenance, a branch of Facilities, notes that, "our objective is to produce and distribute utilities in the most reliable and efficient method possible. Currently, Georgia Tech has a relatively high level of reliability and efficiency, compared to most campuses and cities of similar size."

However, due to recent technological research and published studies, there has been a mounting issue on efficiency. In order to operate at a high level of efficiency and reduce waste, each of the citizens in the community of Georgia Tech needs to make a contribution.

This contribution begins with an awareness of the concept of sus-

See *Energy*, page 17



Photos By Scott Meuleners, Illustration By Ian Clark / STUDENT PUBLICATIONS

Copiers, air conditioners and computers are some of the largest energy consumers on Tech's campus. In recent weeks, students, faculty and staff have been struggling with the issue of conservation as prices rise.

Profile of Ramiro Rivera-Rivera

FACES at Georgia Tech

By Kimberly Rieck
Senior Staff Writer

Not many people find their ideal career when they're children. However, Ramiro Rivera-Rivera is an exception. "Ever since I was a little kid I knew I wanted to be an engineer. I didn't know what kind of engineer but I wanted to be one," said Rivera-Rivera. Rivera-Rivera attributes his dream to his grandfather. "He was a handyman, he was always working with different kinds of machines, gadgets and other stuff," said Rivera-Rivera.

After high school, Rivera-Rivera entered the University of Turaba, SOE in his native Puerto Rico. He earned a B.S. in Mechanical Engineering from the university. His GPA of 3.85 was the third highest GPA in the school of engineering. During his undergraduate years, he was active in numerous student professional organizations, including serving a term as president of his school's chapter of the American Society of Mechanical Engineers.

During college, Rivera-Rivera realized that he wanted to work with testing rocket engines. "It all started when I was in my senior year of finishing college. I got a fellowship from NASA and the society of Hispanic Professional Engineers. Due to that fellowship, we got to go to a NASA center and I got a call from Stennis Space Center asking me if I wanted a summer job," said Rivera-Rivera.

The fellowship was the NASA/SHPE H.O.N.O.R.E.S. Scholarship



Photo courtesy National Aeronautic and Space Administration

Space Shuttle Main Engine testing, similar to the work Ramiro Rivera-Rivera is involved in, is an integral part of what NASA does.

and his summer job consisted of computer modeling of liquid oxygen pipes of E-1 Test Facility at the NASA's Stennis Space Center in Mississippi. The project, once it's completed, is projected to save NASA an average of \$1,000,000 a month.

Rivera-Rivera impressed his advisor and the advisor invited him to apply for a NASA fellowship. Rivera-Rivera began his participation in the NASA Graduate Student Researcher's Program last August and also received a Georgia Tech Presidential Fellowship.

Rivera-Rivera decided to pursue

his masters and Ph.D at Georgia Tech for two reasons. "First of all, it's the number four graduate school in Mechanical Engineering in the nation. The second reason is the weather. It's in the south so it's not that cold. Growing up in the Caribbean, I'm not that fond of the snow," said Rivera-Rivera. He has adjusted to the cultural differences in the mainland compared to his hometown. He said the main difference between Puerto Rico and the Georgia is that Spanish is the preferred lan-

See *Faces*, page 16

McEver-funded LCC class explores engineering

By Jennifer Lee
Contributing Writer

A new class is taking shape this semester as part the McEver Program in Engineering and Liberal Arts, an initiative formally launched this past February with a generous endowment from Tech alumni Bruce McEver.

This class is the product of several months of ideas and planning, and is called "Situating Science: Exploring Creativity and Innovation in Sites of Science." Listed under both HTS 4877 and LCC 4200, it can count as either social science or humanities credit for the students who are taking it. However, one of the goals of the class, and an ultimate goal of the McEver Program as well, is to support the building of relationships between students in engineering and students in the humanities and social sciences.

The class's instructors are Ken Knoespel, a History, Technology and Society professor, and Wendy Newstetter, of the Biomedical Engineering department.

The class size is small—currently, the class is composed of approximately ten biomedical engineering students, and then eight students from various branches of the Ivan Allen College, such as Society, Tech-

nology and Culture, International Affairs and Public Policy.

"Situating Science" is a three-hour course that meets once a week, which means that so far, the eighteen students have only met once. Jeremy Farris, one of the students, said, "If you asked any one of [the students in the class] what was going on, we probably couldn't tell you."

The course description reads: "This seminar explores the ways that creativity and innovation drive the

"This class could really take on any form...it is sort of an anthropology of science: the science of studying science"

Jeremy Farris
3rd year INTA major

work in research laboratories at Georgia Tech. Three broad questions will mark our point of departure: 1) What takes place in a research laboratory cognitively and socially that fosters or retards innovation? 2) How is learning accomplished within labs as science is made? 3) In what ways does the practice of science differ from engineering?"

Newstetter explains that parts of the class will be similar to the problem-based learning classes that biomedical engineering students have to take, where small groups of students tackle a real-world problem, spending about three to four weeks gathering information, resources and knowledge to solve it. In the "Situating Science" class, she says, "We're

See *LCC*, page 19



By Scott Meuleners / STUDENT PUBLICATIONS

Ramiro Rivera-Rivera is currently conducting his research from the Love Building, where he analyzes data from rocket tests that NASA performs on engines designed for future space flights.

Faces

from page 15

guage back home, instead of English.

During his first year at Tech, Rivera-Rivera has excelled academically. His current GPA is a 3.83, and he specializes in heat transfer and thermodynamics. This summer NASA selected Rivera-Rivera and Brandy Rogers, a Ph.D student in biomedical engineering, to receive awards from the NASA/Harriet G. Jenkins Predoctoral Fellowship Program (JFPF). JFPF aims to increase the number of women, minorities and people with disabilities in the math, science, engineering and technology fields. Only up to 20 fellows are selected each year. The award is for three years with a stipend of \$16,000 per year and \$8,500 in tuition. JFPF Fellows also receive mentoring and participate in hands-on research experiences at NASA centers.

The fellowship is in honor of Dr. Harriet G. Jenkins, a retired employee of NASA who is known for her contributions to promoting the

growth of minorities and women in the engineering, math, and science disciplines.

In addition, the honorees have an opportunity to complete research closely related to ones at their institutions. If the fellows' research proposals are accepted, they receive additional stipends of \$6,000 and \$1,400 for lodging and traveling expenses.

Besides the opportunity to conduct research for NASA and their institutions, they can participate in a Graduate Student Technical Exchange Symposium at rotating NASA Centers and Jet Propulsion Laboratories. The symposiums give the students a chance to present their research projects before scientists, engineers and faculty advisors.

Rivera-Rivera was surprised to receive the award. He had hoped to receive it because of his previous fellowship experience but was apprehensive because of the gifted and talented pool of applicants. "It is an honor to receive and bring to Georgia Tech a fellowship that carries the name of such an extraordinary

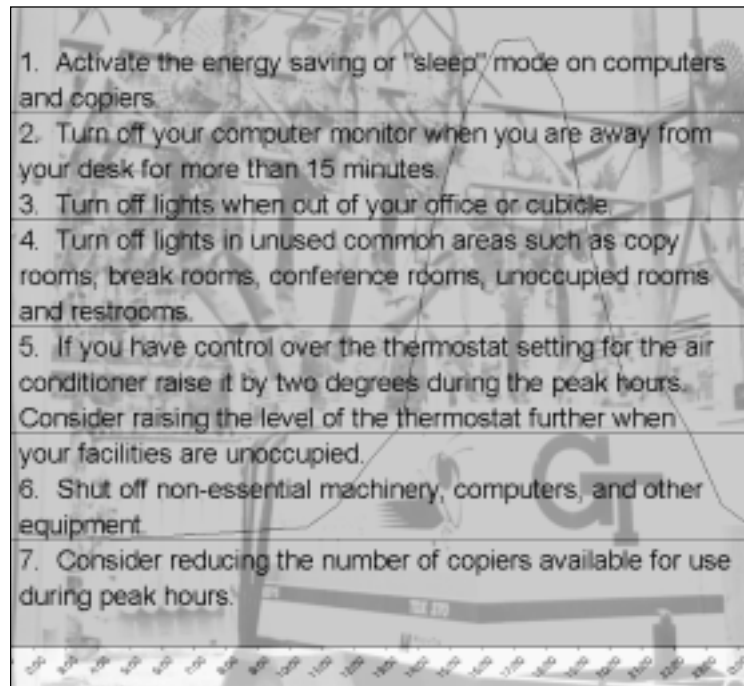
woman. Dr. Jenkins, for whom the award honors, is truly a role model that we should all try to emulate," said Rivera-Rivera. Rivera-Rivera also had the honor of meeting Jenkins. "She was like, 'Well I'm really glad that you guys got this fellowship and it's up to you to carry on the name of Harriet Jenkins and what I've done,'" said Rivera-Rivera.

From the Love Manufacturing Building, Rivera-Rivera works on remote projects for NASA on his computer. He analyzes data from rocket tests that NASA performs on engines designed for future space flights. He had to learn Fortran in order to complete his analyses. Once he analyzes the data from the practices on the engine's rocket propulsions, he does computer modeling and sends it back to NASA.

In his spare time, Rivera-Rivera enjoys going to Tech football games. After he receives his doctorate degree, Rivera-Rivera plans to go to work for a government agency or private industry for a couple of years or go directly to his teaching career.

Energy

from page 15



By Shelley Hoyal / STUDENT PUBLICATIONS

The Utilities and Energy group of the Department of Facilities sent an email to students outlining ways to easily reduce everyday energy consumption, especially during the late afternoon high prices.

tainability, the potential for savings and the benefits to be had for all of us and for future generations if we can conserve the resources we have now. After all, physical resources, including utilities, are limited commodities.

While there is not an actual crisis at present, the Facilities wants to make it clear to the community that it's best to "use the [resources] wisely and efficiently, and help to conserve and reuse them. Our campus is growing every year, and the consumption of all utilities is growing

with that expansion. It is paramount that each member of the Tech community contribute responsibly to the ongoing effort to make our campus a sustainable enterprise.""

Computer Engineering major Neera Bhat points out that, "Although here at Tech we have free availability of all these energy sources, we should not abuse them."

More information regarding the energy conservation program can be found at <http://www.facilities.gatech.edu/energycons.htm>.

Tech helps with heart research

By Kimberly Rieck
Senior Staff Writer

While most babies have a normal heart with two ventricles, the lower chambers of the heart used for pumping blood through the body, some babies have a rare congenital heart defect where they are born with just one ventricle.

Each year in the United States, two out of every 1,000 babies are born with single-ventricle defects. Single-ventricle leads to congestive heart failure, and if not, then the pulmonary and systemic systems are not corrected through operations called "Fontan repairs." For several years, Fontan surgeries have been used as an option for treating the defect.

The Fontan procedure consists of an anatomical reconfiguration. The blood flow is diverted to the right side of the heart directly to the lungs, which leads to the heart no longer pumping blood to the lungs. During the operation, the heart is separated into two circulations and oxygen-poor blood goes to the lungs while oxygen-rich blood flows to the body. The body gains a normal oxygen level because of the reduction of the mixing of oxygen-rich and oxygen-poor blood.

Doctors have to create a wall in the right atrium to prevent deoxygenated blood from returning to the heart. The doctors then attach the right atrium to the pulmonary artery which results in all of the returning deoxygenated blood flowing straight to the lungs. That part of the procedure causes an increase

in pressure in systemic veins returning blue blood from the body, so doctors create a small hole in the wall to act as a pressure relief valve.

Infants are under general anesthesia and special monitoring IVs during the procedure. Doctors connect the patients to a heart/lung bypass machine during the surgery so once the heart is stopped and emptied, the flow from the inferior vena cava goes toward the pulmonary artery.

Due to the general anesthesia and machinery used in surgery, it takes infants several days to recover from the surgery. The infants often need support from IV machines and a temporary pacemaker. The short term and long term outcomes of the surgery range from excellent health to severe limitations and many hospitalizations.

Georgia Tech has formed a partnership with pediatric cardiologists and surgeons to develop new surgical techniques and improve planning to correct one of the most complex heart defects in infants. The team has received a \$5.1 million award from the National Heart, Lung and Blood Institute (NHLBI), a division of the National Institute of Health.

The team consists of Ajit Yoganathan, Regents Professor in the Wallace H. Coulter Department of Biomedical Engineering; Shiva Sharma, a pediatric cardiologist at Sibley Heart Center at Children's Healthcare of Atlanta; Carol Lucas, a professor of biomedical engineering at the University of North Carolina at Chapel Hill (UNC);

and Mark Fogel, a pediatric cardiologist at the Children's Hospital of Philadelphia.

The aspects of the research will be split up among the four institutions. The engineering and computational studies will be conducted at Georgia Tech, and patient recruitment and MRI studies will be done at Children's Healthcare of Atlanta, Children's Hospital of Philadelphia and UNC. The engineering tools include computational fluid dynamic studies and the development of glass models of the heart with different Fontan surgery connections conducted at Georgia Tech and UNC.

The researchers at the Children's Healthcare of Atlanta, UNC and Children's Hospital of Philadelphia will perform studies on recruitment, care and study of Fontan patients using non-invasive, 3-D MRI anatomic and flow studies.

Generally, surgical operation procedures differ for single ventricle patients. The factors considered before surgery are: age, symptom status and condition of the lung blood vessels. The research team will focus on a procedure called total cavopulmonary connection (TCPC), the most popular procedure to date.

"The ultimate goal of our research is to improve this long-term functional outcome of all our patients. This prospective, multi-institutional study will need to be done and we propose to show the surgical optimization done under with this technology translates into improved functional outcome," said Sharma.

LCC

from page 15

Drive Atlanta examines the need for speed

By Joshua Cuneo
Contributing Writer

not necessarily going to give them a problem to solve, but we'll give them a laboratory where they will spend time observing the things that go on, interviewing the people that work there, and understand how exactly science is being made in that setting."

Farris said, "The class could really take on any form, but what I think it will end up being—once you realize that science is a social institution—is sort of an anthropology of science: the science of studying science."

He added that, despite his initial uncertainty about the direction the class will take, "I'm excited about working with Newstetter and Knoespel. With Knoespel, you never really know. He's a pretty open-minded guy."

When asked about the class last spring, Associate Dean of the Ivan Allen College Dr. Richard Barke replied, "The way we organize curricula and technology suggests that there is a huge chasm between engineering and the liberal arts. Tech students pick up on cues from administration and faculty; they see the cues and think it means something. We're asking whether that gap actually exists."

"People think of the liberal arts as involving interpretation, beauty, aesthetics, human expression, whereas engineering is practical, design focused, quantitative. But there's a lot in engineering that relates to human expression, and there is a great deal of what goes on in the liberal arts that is practical and design-focused."

Professor Jennifer Ogle of the School of Civil and Environmental Engineering has initiated a recent study to analyze—and eventually improve—the traffic patterns of Atlanta commuters.

Her aptly-labeled "Drive Atlanta" program will install MACBOXes—event data collection units—in 1,100 randomly selected vehicles. These units will monitor and record data regarding the driver's length, duration, route choice and second-by-second speed and acceleration for each car trip as well as vehicle information at the moment of a collision.

Professor Ogle designed the program to increase road safety and aid the endeavors of SMARTRAQ (Strategies for Metropolitan Atlanta's Regional Transportation and Air Quality), a Georgia Tech-based program aimed at solving Atlanta's transportation and air quality issues. The program will also examine other driving variables, such as seat belt use, time spent on the road and time spent on highways versus local roads.

"We hope to learn about all three pieces of the system [the driver, the vehicle and the road]," said Professor Ogle. "In particular, we are interested in travel routes, driver-vehicle interactions and exposure to crash risk. The sheer size of the data set allows for nearly limitless analysis possibilities."

Collisions will be an especially important focus of the program.



Photo courtesy of Institute for Communication and Public Affairs

Associate Professor Kim Dixon, who is part of Drive Atlanta's research team, has a MACBOX data recorder system in her vehicle. She works alongside Professor Jennifer Ogle investigating Atlanta's traffic flows. Dixon and Ogle have high hopes of being able to improve these traffic flows once their research is completed.

Upon a collision, the MACBOX will record and transmit information regarding velocity and deceleration immediately before the crash and the severity of the accident. "We know very little about pre-crash speeds," Professor Ogle said. "Our equipment will actually measure and record speed for us."

In addition, the MACBOX will also signal the Fulton County 911 Center—the central emergency agency for all 1,100 vehicles involved

in the program—with a GPS location for quick response, and it will notify a Georgia Tech quick response team, who will arrive at the crash and attempt to reconstruct the event in coordination with the police.

"Crash reconstruction is essentially more an art than a science," said Ricardo Martinez of the Atlanta-based Safety Intelligence Systems, Inc.

"We look at the archaeology of the crash, witness reports and ex-

pert opinion to decide the 'facts.' We can actually measure what happens in a crash."

Professor Ogle is highly confident in the success of her program. "There is a lack of comprehensive information on crashes," she said. "With ABS brakes, skid marks are not as detectable, but crash analysis is changing. The more information we have, the better off we are."

Tech Up Close

email: focus@technique.gatech.edu

Winner of the Tech Up Close contest receives a *Technique* T-shirt and a coupon for free Papa John's pizza.

Last week's Tech Up Close:
Satellite dish located on the roof of
the EE building (Van Leer)

Last week's winner:
Brian Cruse



By Scott Meuleners / STUDENT PUBLICATIONS

Music in Atlanta

Check out our weekly listing of concerts around the city, both in small venues and large arenas. Page 25

Senior swimmer ranks

Shilo Ayalon, ranked in the world's top 25 swimmers, takes Tech sports international. Page 32

Tech students express their creative sides through music

Students take a break from the technical topics of the school day by performing music with local bands at night

By Bryan Basamanowicz
Senior Staff Writer

Given the immense amount of academic demands that the students of Georgia Tech shoulder on a daily basis, it is not surprising that the serious creative endeavors of Tech students often go un nourished.

Furthermore, being a technical school, the environment is often oriented towards the left side of the brain. But the dream is never dead, because even within the confines of the White and Gold Asylum for Nerds, there are still motivated students who are making their mark in performance music.

Campus rooted acts such as the Banyan Trio, Tilden's Faith, Ludowici and twelvedollarpen prove that the rigors of being a Tech student can't always restrain rampant creativity.

If you have never seen a bulletin or flyer around campus promoting an upcoming performance by Tilden's Faith, then you haven't been looking very hard.

Through the tireless efforts of their publicity administration and the magnetism of the band, Tilden's Faith packs a calendar full of show dates all over the Southeast. Tilden's Faith is a "distinctly rock" band offering a collection of rock from the sixties to the nineties and a series of original songs as well.

Tilden's released their first album, *Stayed*, in March 1999 featuring two tracks, *Someday* and *Scarecrow*, each of which would quickly become favorites among local fans and Atlanta radio stations.

Former *Technique* Managing Editor Kim Wilson wrote an article that praised the talent displayed by Tilden's Faith on *Stayed*. The article, published in May 1999, esteemed

the band's members to be a "real waste if just engineers."

Three years after the release of *Stayed*, Tilden's Faith reasserted their creed as they recorded their second EP, *Change*. *Change* was immediately hailed by Creative Loafing as being "unusually cohesive" and, more elegantly put, "bad-ass."

Recently graduated Tech students Will Lewis and Dave Curylo make up the bass and lead guitar sections of the band, respectively. Tilden's Faith is arguably the most successful musical act to emerge from Tech campus.

Campus rooted acts such as Tilden's Faith [and] Ludowici...prove that the rigors of being a Tech student can't always restrain rampant creativity.

Another notable Tech performance worth keeping an ear out for is the "instrumental funky fusion" operation known as Ludowici. Current Tech undergrads, Management major Phil Davis (bassist) and Industrial Engineering major John Michael Doyle (drummer), have been collaborating together since their late high school days in Dunwoody, Georgia. In addition to keeping up with the band and school, both Doyle and Davis are active members of Delta Tau Delta fraternity.

Doyle and Davis teamed up with Daniel and Lou Groover, also from Atlanta, to form Ludowici over three

years ago. Ludowici entertains a progressive jam band style of music making. The songs are often over ten minutes long, and the sound is unplanned but always coherent.

The lead guitar in Ludowici is manned by the talent of Daniel Groover, a recent graduate of the Atlanta Institute of Music. Groover's talent on lead is striking. Being an instrumental band, Ludowici's lead guitar often assumes melodic leadership, and Groover, after finding his zone, never seems to look back. Groover's older brother, Lou, rounds up the band on percussion.

Taking influence from acts such as Herbie Hancock and the Mahavishnu Orchestra, Davis's bass playing maintains the rhythmic control over Ludowici's music while drummer Doyle leads and responds very well to the often hectic and energetic pace established in Ludowici's set.

Ludowici has enjoyed a solid mainstay on the local Atlanta music scene. Among other venues, Ludowici has performed at the Georgia Theater in Athens and Smith's Olde Bar in Atlanta. They also have dates in other areas of the Southeast outside of Georgia.

Recently they have played shows in Auburn, Tampa and Winterhaven, Florida. This month they will perform several shows throughout Atlanta and Georgia. The band recently completed a full-length CD, which they will sell at shows, and they plan on expanding their tour base further. Kevin Caran is a post doctorate fellow in Georgia Tech's chemistry department. He is also one of the four singer/songwriters who collaborated to form the band twelvedollarpen.

The band twelvedollarpen is particularly unique in that all of its



By Julia Trapold / STUDENT PUBLICATIONS

Phil Davis plays the bass at a concert last year at the Brandyhouse. He performs in the band Ludowici, with fellow student John Michael Doyle.

members bring to the table their own collection of original songs. The other members offer musical supplementation to their collaborates in exchange for the reciprocal. The result is a rich variety of sounds

and themes.

Most all members of twelvedollarpen have performed individually as well as with the band in a wide

See *Bands*, page 22

Beck performs an unlikely acoustic concert at the Ferst



By Robert Hill / STUDENT PUBLICATIONS

Students and visitors file into the Robert Ferst Center for the Arts to catch Beck in concert. He performed an entirely acoustic and solo show, straying away from his well known synthesizer and DJ-influenced sound.

By Jon Kaye
Staff writer

Artist: Beck
Genre: Acoustic
Venue: Ferst Center for the Arts
When: August 20, 8:00p.m.
Rating: ★★ ★ 1/2 out of five

Were we at Eddie's Attic on Tuesday night or at the Robert Ferst Center For the Arts? It was hard to tell as a full house of Beck fans intently watched the superstar take the stage alone, holding only his acoustic guitar.

After a half-hour delay, Beck took to the stage with confidence and passionately wailed his acoustic guitar. While the average Beck fan probably thinks of Beck with a full band including disc jockeys, he told the audience that he had gotten his musical start just as he played at the Ferst Center, casual and acoustic.

While this style of music was definitely not what the average listener would expect, given the immense popularity of songs like "Loser" and "Where it's At," the acoustic Beck was a refreshing change from the DJ-influenced sounds a

mainstream listener might expect.

This concert proved Beck's versatility as a performer, as he experimented with instruments ranging from piano to toy guitar. Most of the songs he performed focused on his bold style of acoustic guitar, yet he also played piano and synthesizer with the same skill as his guitar.

While most know him for the mixed sounds heard on the radio, Beck's performance allowed fans at Tech to experience his music in a more intimate setting.

While most of the songs of the evening were unplugged in nature, Beck did give a nod to some of his more energetic material in a solo on a toy guitar.

The guitar had a collection of sampled sounds, and he cobbled them together in an aggressive tune, reminiscent of his well known work. Though completely out of place in this concert, it was one of the most intriguing pieces of the evening.

Drawing from his more mainstream work, Beck began to play "Where it's At," but after he played a few bars on the synthesizer, he

See *Beck*, page 22

Beck

from page 21

noted that it wasn't really a song that could be played well solo. Though it was somewhat of a teaser, it showed that Beck knew what made him famous.

While first and foremost a solo concert, Beck did introduce guitarist Smokey Hormel to join him in the latter half of the evening. Hormel's bluesy electric guitar and unconventional bowing of the electric bass added to the evening's musical experience.

All in all, Beck's performance at

the Ferst Center once again proved him a confident and adroit musician.

Though not what one would expect from Beck, it was definitely a great performance. The audience's reaction spoke highly of his talent; after three encores, they were still hungry for more.

For more information about upcoming shows at the Robert Ferst Center for the Arts, visit the website at www.ferstcenter.org.

Bands

from page 21

variety of venues in and around the Atlanta area. The band released their debut CD in June 2002. The band is currently working on their first feature length cd entitled *The Greenwood Sessions*. Many local acts, Tech rooted or otherwise, can be found playing anywhere from Under the Couch, Tech's student run performance venue, to venues in Florida or Alabama. We're still looking for that first breakthrough band to catch national attention, who will name Georgia Tech as their starting place.

Upcoming Shows of Tech Bands

Check out some bands formed by Tech students in the local area:

Tilden's Faith		
www.tildensfaith.com		
9/7	CJ's Landing	Atlanta, Georgia
10/2	Brandyhouse	Atlanta, Georgia

Ludowici		
www.ludowicimusic.com		
9/6	Amici	Milledgeville, Georgia
9/7	Jake's Roadhouse	Decatur, Georgia
9/13	Bourbon Street Bar	Auburn, Alabama

twelvedollarpen		
www.twelvedollarpen.com		
No upcoming shows		

nique.net/sliver

The true voice of TECH

Jennifer Daniels brings new life to folk-rock music on second album



By Robert Hill / STUDENT PUBLICATIONS

Jennifer Daniels, a native of Tennessee, creates pleasing folk-rock on her second album. She will be performing at Eddie's Attic on September 6.

By Robert Hill
Staff writer

Album: *Dive & Fly*
Label: TNtrees
Rating: ★★★★★ out of 5

What would you get if you took an accomplished singer with Celtic roots, mixed in a songwriter as sensitive to the word as any American poet, and gave them the creative freedom of an independent label? If you were lucky, you might come up with an artist like Jennifer Daniels.

With her critically acclaimed sophomore CD release, *Dive & Fly*, Jennifer offers up all the best that American folk-rock has to offer. Basking in the light of numerous awards, including Album of the Year 2001 from the Chattanooga Music Awards, she is an artist truly coming into her own.

As one fellow artist remarked, her music is one that is "darkly romantic, hot and humid, haunted

and gothic." The depths and emotive offerings of this accomplished artist offer a fitting denouement to the typical summer concert scene of bubble gum pop.

Expertly accompanied by her husband Jeff Neal, whose ministrations on guitar and mandolin nicely complement her own acoustic guitar and powerful vocal range, they harmonize without ever competing or falling out of synch. The subtle chemistry of the wedded pair make them a joy to see live.

Jennifer Daniel's rich, complex voice can alternate between a plaintive whisper, infinitely soft yet somehow always audible, to a flat out decibel riot without ever giving a hint of faltering or overextension. Such masterful control of her vocal range mixed in with a disarming Tennessee accent, makes hers a voice not soon to be forgotten. But if it is the technical proficiency of her voice that turns your head, it is her lyrics and the level of intimacy that makes

you remember her long after the CD stops spinning.

There is a level of immediate presence to her songs, and the stories she tells through them are deeply personal. Her passionate lyricism is often punctuated by humorous twists, such as in the song *Ohio* where she sings, "Do you dance so fast they can never get their fingers around/you said, 'The darkest day that Denver ever had was still brighter than the brightest in Ohio.'"

Many of her other songs, such as *Try To Find Me*, are striking for their raw honesty such as in the line, "Why still so threatened here in the company of two when one is your daughter and the other one is you?" Her lyrics carry the weight of lived experience, and their heartfelt delivery speak of an intimacy both refreshing and darkly romantic.

All this aside, the CD experience pales in comparison to seeing

See *Daniels*, page 25

Technique Crossword: Smooth and Sweet

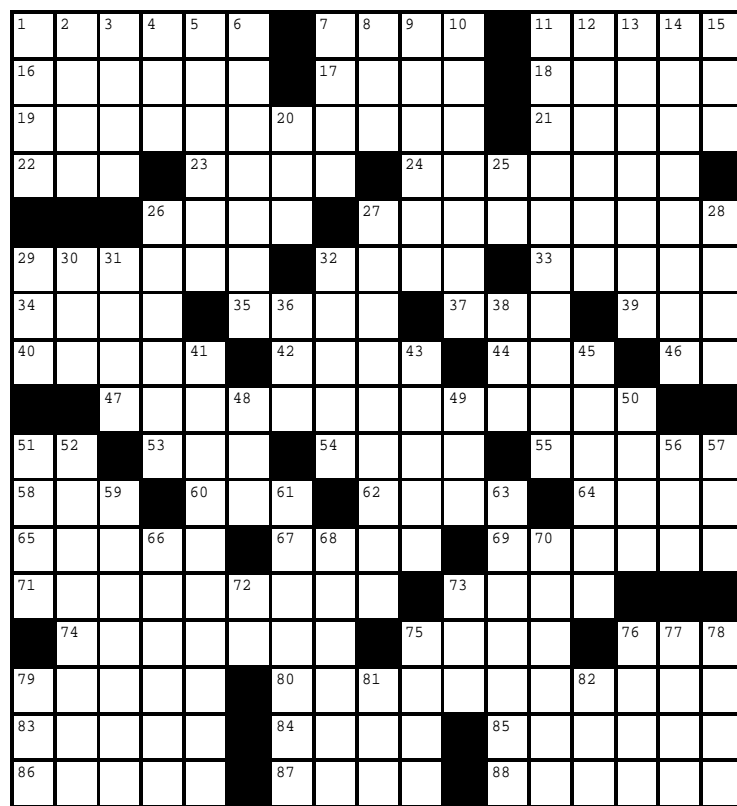
By Joey Katzen
Staff writer

Across

- 1. Toto hit
- 7. Diamond corner
- 11. Like a small, aquatic organism
- 16. Ethiopia neighbor (variant)
- 17. Norway saint
- 18. Guillotine alternative
- 19. It's available hot or not
- 21. Physician's aide
- 22. Ms. Clinton, for short
- 23. Sasha the Duck's theme instrument
- 24. Pull from the jamb
- 26. Quit it!
- 27. Greeks, to Aeneas
- 29. Solved a jigsaw puzzle
- 32. rm, from FTP
- 33. Heartbreakers head
- 34. Taupe
- 35. Not my
- 37. Extinct US bill
- 39. Cain, to Adam
- 40. Strange
- 42. Tortoise-hare match
- 44. And others
- 46. Sun god
- 47. Green liqueur
- 51. 'Quantum Leap' hologram
- 53. Whom Uncle Sam wants
- 54. Blow alternative
- 55. Mental reservation

- 58. Actor Beatty
 - 60. Banned insecticide
 - 62. Hide-and-go-_____
 - 64. Vignette
 - 65. Drench
 - 67. Fencing sword
 - 69. Most frequent
 - 71. Entombs
 - 73. Azure or cobalt
 - 74. City of the rising Phoenix
 - 75. Government emblem, often circular
 - 76. Time zone zero
 - 79. Work measurement, in terms of heat
 - 80. Massachusetts pie, of fame
 - 83. Elicited remark
 - 84. New York canal
 - 85. Astronomy muse
 - 86. With "out", falls asleep suddenly
 - 87. Scissorhands Johnny
 - 88. Sunburn alternative, to the Little Caesar's man
- Down**
- 1. Inquires
 - 2. Golf warning
 - 3. Destroy
 - 4. Superego alternatives
 - 5. "In Cold Blood" penner
 - 6. More than someone
 - 7. Be dull
 - 8. Beer option
 - 9. First or second book option

- 10. {2, 12, 40, 8}, for instance
- 11. "Ghostbusters" actress
- 12. Halo or Crescent Room
- 13. Throat armor
- 14. Bold expessor
- 15. ___ Harvey Oswald
- 20. Hill
- 25. Hello response
- 26. Scamper
- 27. Lullabies in 6/8 time
- 28. Auld Lang _____
- 29. Congregation row
- 30. Vapor before sublimation
- 31. SGA exec Clopper
- 32. Pairs
- 36. Mine output
- 38. Cyst
- 41. Speed Stick and Secret
- 43. Master of ceremonies
- 45. Sexless
- 48. My name is _____
- 49. To get the last drop from, with "out"
- 50. Wild swan
- 51. Computer character set
- 52. DaVinci or DiCaprio
- 56. Vis-à-_____
- 57. Excessive (slang acr.)
- 59. Compressed air canister?
- 61. Canopied sleeping quarters
- 63. Caffeinated seed used in soft drinks
- 66. Crap merchandise
- 68. Iron oxide unit



- 70. Lever pivot points
- 72. Out opposite
- 73. Epic ___ wulf
- 75. Stair riser
- 76. Lady escort, for short
- 77. Pleiades goddess
- 78. Secret Service agent, for instance
- 79. EU forerunner

Solutions on page 35

Daniels from page 24

her live. Only then can you see her accomplish the seemingly impossible. She tops her vocal delivery of her brilliant title track *Dive and Fly* by having her voice dive and fly with total abandon.

In a musical landscape where to be labeled an "woman folk singer" is not extremely descriptive, Daniels leads a revitalization of the genre in which a cherubim voice and ability to play an acoustic guitar no longer makes the cut.

Daniels says it best in an interview with Womanrock.com where she says, "I am proud of what women have achieved in music, but I hope that the time is coming when it is less important for people to note that we are women, and more important to see that we craft beautiful music." Here's hoping.



The Live List

Echo Lounge (551 Flat Shoals Rd.)
(404) 681-3600
www.echostatic.com/echolounge
8/30 Kelly Hogan/Pardner/Gravy Boat
8/31 Myssouri/Shamgod/Rosa Believe
9/1 The Changelings/Butcher/Envie
9/5 PoPad/Adamsday
9/6 Mira/The Close

Cotton Club (152 Luckie St.)
(404) 688-1193
www.atlantaconcerts.com/cottonclub.asp
9/1 Money Mark

Smith's Olde Bar (1580 Piedmont Ave.)
(404) 875-1522
www.smithsoldebar.com
8/30 Dash Rip Rock/Bobby Bare Jr.
8/31 The Goodies/Scrappy Hamilton
9/1 Gran Torino/Dexter's Lab

9/2 Yates Dew/The Jeff Weaver Band
9/3 David Ryan Harris
9/4 Jacob Fred Jazz Odyssey
9/5 Garrison Field/Dyllan Young
9/6 Trancesarc

Masquerade (695 North Ave.)
(404) 577-2007
www.masq.com
9/6 The Cruxshadows/Myssouri

The Earl (488 Flat Shoals Ave.)
(404) 522-3950
www.badearl.com
8/30 Delphine/Faith Kleppinger
8/31 The Hiss/The Agenda
9/3 Jason Loewenstein
9/5 ReModel/Bottle Rocket/Enos
9/6 Moreland Audio/Rizzudo
9/7 The Subsonics/The Hots

10 High (816 North Highland Ave.)
(404) 873-3607
www.darkhorseatlanta.com
8/30 Over October/13 Stories
8/31 Five Eight/RS3/Motorway

Variety Playhouse (1099 Euclid Ave.)
(404) 521-1786
www.variety-playhouse.com
8/30 Flatlanders
9/5 Victor Wooten Band

Star Bar (437 Moreland Ave.)
(404) 681-9018
www.starbar.net
8/30 Subsonics/Possibilities
8/31 Atomsplit & friends
9/4 The Creeps
9/5 The X-Rays
9/6 The Young Antiques/Kaizer Soze

Fox Theatre (660 Peachtree St.)
(404) 881-2100
www.foxtheatre.org
9/7 Wayne Brady

Hi-Fi Buys Amphitheatre (2002 Lakewood)
(404) 443-5090
www.hob.com/venues/concerts/hifibuys
8/31 Sprite Liquid Mix Tour
9/1 Goo Goo Dolls/Third Eye Blind
9/4 Anger Management Tour

CJ's Landing (Buckhead Ave.)
(404) 237-7657
www.cjlanding.com
8/30 Wes Yoakam
8/31 Anitra Holley
9/6 Scott Munns
9/7 Scott Munns

Green Day's *Shenanigans* does not meet expectations

While the album has some gems and interesting covers, it does not match the quality of previous endeavors



By Marina Chavez / WARNER BROS. RECORDS INC.

Mike, Billie Joe, and Tre of Green Day recently released their eighth album, which includes new songs as well as covers and B side tracks.

By Kimberly Rieck
Senior Staff writer

Artist: Green Day
Album: *Shenanigans*
Label: Reprise Records
Rating: ★★ ★ out of five
Length: 33:17

When Green Day released *Dookie* in 1994, they became the best producer of three cord radio hits. With singles like "Time of Your Life" and "Longview," they proved they could produce energetic songs with meaningful lyrics.

Since 1994, the band has released numerous albums, the last one being *International Superhits* in 2001.

After spending the summer touring with Blink-182 on the Pop Disaster tour, Green Day has released another collection of catchy three-cord radio hits. However, the only problem with *Shenanigans* is that there are not enough of them.

In the past, Green Day's albums have been brilliant compilations that did not have many weak moments to them. Their new album has a few quality songs that match the caliber of previous albums, but unfortunately the album has been degraded by a series of misguided tracks.

The album reaches its pinnacle with the first four songs. "Suffocate" is a classic Green Day song. It has all of the edginess and energy of other hits such as "Warnings" and "Longview."

Plus, with lyrics like "My head is

standing underneath my puke/So make it stop/I'm getting off/Make it stop I'm getting off," its obvious the band hasn't lost its preference for singing about drunken debaucheries and chaos.

Originally the band had only included the track "Desensitized" on the Japanese release of *Nimrod*, but it appears on their new album. Although the first 20 seconds is nothing but random noise, Green Day manages to produce a thought-provoking commentary on the desen-

[Green Day's] new album has a few quality songs...but unfortunately...has been degraded by a series of misguided tracks.

sitization of Americans in the twenty-first century.

In the first verse, Billie Joe sings, "My head is like a sponge/Give it to me free/I wanna get ripped off/And drown in the airwaves." He feels American audiences have adjusted to the violent nature of society and succumbed to toiling away at the Internet and watching television for hours on end.

The band experiments with a

cover of the Ramones with the track "Outsider."

However, while the band executes the song well, the track lacks the passion and nature of the original tune. Green Day has more success with the cover of the Kink's "Tired of Waiting for You."

Perhaps the most disappointing part of the album is the B side tracks the band included in it. Although the songs are mildly enjoyable, it feels like they are filler compared to the strong beginning tracks.

"Sick of Me" and "Ha Ha You're Dead" are weak imitations of the typical Green Day loser anthems. It seems strange that the band would add filler on an album that is only 31 minutes in length.

The main problem with *Shenanigans* is the inconsistency of the music. Not only does the band combine amazing punk songs with pointless filler, it also has the surf instrumental "Espionage." "Espionage" is a big departure from the rest of the album.

The track was produced for the *Austin Powers: The Spy Who Shagged Me* soundtrack. It fits well on the soundtrack, but it does not mesh well on this album or on any individual Green Day album. The track is out of place with pop punk songs such as "Suffocate."

While Green Day may have slightly missed the target on their latest album, longtime fans will still enjoy the album because of the few gems.