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THE WHISTLE

FACULTY/STAFF NEWSPAPER

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THE GEORGIA INSTITUTE OF TECHNOLOGY

State of the Institute to address 'Innovation in a Changing World'

Michael Hagearty
 Institute Communications
 and Public Affairs

President Wayne Clough will deliver the annual State of the Institute Address to faculty and staff on Oct. 14 at 3 p.m. in room 236 of the Global Learning and Conference Center during the fall combined meeting of the General Faculty Assembly and Academic Senate.

As co-chair of the National Innovation Initiative for the U.S. Council on Competitiveness and chair of the National Academy of Engineering's Engineer of 2020

project, Clough is at the center of the debate on how best to prepare students for the newest challenges they face in the world economy.

"The pace of change is accelerating throughout the world, and technology is becoming ubiquitous," he said. "The world has also become much more competitive as nations such as India and China graduate more engineers than the United States. The only way for the United States to maintain its leadership is through innovation — being first to discover new knowledge, invent new technology and apply it in creative ways to solve problems and offer opportunities."

Students rally to protest budget cuts



photo by Nicole Cappello

Tech undergraduates Lamar Stewart, Tiffany Turner, Leroy Campbell and Student Government Association President Amy Phuong voiced their opposition last Friday to Governor Perdue's proposal to slash \$64 million from the state's budget for higher education. Students representing 17 of the 32 schools in the University System of Georgia rallied at the Capitol to present the Governor's office with 34,948 student signatures protesting the cuts.

Police Department enlists K-9 unit to collar campus crime

Michael Hagearty
 Institute Communications
 and Public Affairs

As hundreds of alumni return to their alma mater for this week's Homecoming events, some of Georgia Tech's newest recruits will be on duty, keeping the peace.

The Georgia Tech Police Department began operating a K-9 unit about a year ago. Officer Erich Frechen initiated the unit at the direction of Chief Teresa Crocker, who learned of his background in training dogs for police departments in Michigan. Together with Officer Paul Honcharik, they handle Tech's two police dogs, Zeus and Tiger.

A patrol dog is trained in a number of disciplines, from explosive detection and tracking to building searches and handler protection. Handlers are

also required to complete a certification course. If you've been to an athletic event at Tech during the past year, chances are the venue was sniffed out beforehand.

Learning to work as a team, however, can take time.

"Everything is built off obedience," Frechen said. "But you also have to be able to trust the dog fully, to listen to what he's trying to tell you."

Frechen pointed out that Zeus and Tiger are the only two full patrol dogs in Fulton County.

Because of their specialized training, he said, a number of police departments have requested their assistance under a mutual aid agreement GTPD has with other agencies.

During a shift, Frechen and Zeus patrol campus non-stop in an effort to maintain a level of visibility that



K-9 continued, page 3

GT SMART and Atlanta police launch hotline to combat high-risk drinking

David Terraso
 Institute Communications
 and Public Affairs

Atlanta residents have a new tool to help combat underage drinking, the GT SMART Tip Hotline. Georgia Tech and the Atlanta Police Department (APD) announced a partnership last week to operate the hotline that allows concerned citizens to anonymously report establishments suspected of serving alcohol to minors and intoxicated persons.

"Underage drinking costs this nation an estimated \$53 billion annually in losses stemming from traffic fatalities, violent crimes and other behaviors that threaten the well-being of our youth and our community," said Atlanta Police Chief Richard Pennington at a press conference announcing the hotline. In Georgia alone, underage drinking costs citizens \$517 million in medical care and loss of work.

The hotline will be monitored by Georgia Tech's GT SMART program, a campus-community coalition dedicated to reducing high-risk drinking. The



photo by Nicole Cappello

GT SMART Director Marsha Brinkley and APD Chief Richard Pennington.

information left by callers will be forwarded to APD's Licenses and Permits Division, which controls alcohol licenses.

Hotline continued, page 3

QUOTE

UNQUOTE

"[In the late 1990s,] it was go, go, go in terms of the economy, and hot, hot, hot in terms of the weather, so it was a double whammy. It's going to be interesting to see when the hot weather and the hot economy begin to return ... I'm cautiously optimistic."

—Michael Chang, a research scientist in the School of Earth and Atmospheric Sciences, on the metro area's meeting of the federal standard for ground-level ozone for the first time.

(Atlanta Journal-Constitution)

"In most of our opinions, [Gov. Sonny Perdue's] budget cuts to the University System of Georgia are causing the reaction by the [Board of Regents] for the increase."

—Amy Phuong, president of the Student Government Association, who was among the college students who met with the governor to protest \$68 million in state cuts for higher education.

(Atlanta Journal-Constitution)

Georgia Tech



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Institute Communications and Public Affairs
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Atlanta, Georgia 30332-0181

Georgia Tech is a unit of the University System of Georgia.

Tech team works to aid the impoverished

With retired shipping containers, new hope for poor villagers

Kimberly Link-Wills
Alumni Association

Global peace containers co-founders Soren Ludwig and Dick Martin work for no pay, but the rewards may be richer than any salary.

Their efforts have led to the opening of a school in Jamaica and the current construction of an orphanage on the island.

The humanitarian business was hatched on the Georgia Tech campus, where Martin taught building construction and industrial design and Ludwig studied electrical engineering.

Ludwig, who graduated in 1998, said in order to keep his sanity he took his roommate's advice.

"He said, 'This professor is really cool. Come on over and help with some of his projects.' I had a lot of classes that were very intense. Special topics courses where you can use a little imagination, let off some steam and teach students how to work with each other and get things done. As a group it was such a beautiful thing to get away from the theory and the books and actually get your hands dirty," Ludwig said.

Martin, who retired in 1999 after 24 years at Tech, preferred not to stand before a class talking. "I wanted to teach through projects, not lectures, to teach sustainability," he said.

In the mid-'90s, an Atlanta businessman approached Martin with the idea of converting railroad cars into shelters for the homeless. The professor and his students launched the project, which caught the attention of CNN.

A West Coast businessman with a dock full of old international shipping containers saw the CNN story and called Martin. "He asked, 'Why couldn't we do it with shipping containers?' It was done in a typically Georgia Tech way, to try to make it work simply. They gave us three containers and said, 'What can you do?'"

"You can't get rid of shipping containers very easily. How do you take waste material and make it useful?" Martin said.

"There were building construction students and industrial design students and this strange electrical engineering student. We made models and laid them out," he said. "We made one serious mistake and that was a cultural bias. We kept thinking of them as mobile homes. Then my wife and I went to South Africa."

Both he and his wife had suffered illnesses and decided to fulfill a dream of retracing the steps of Martin's famous ancestor, the explorer David Livingstone.

While in Africa, Martin met a man



photo by Stanley Leary

Soren Ludwig will make room in the shipping containers for these donated photo sensors, used to automatically turn on street lights at night.

who was building a cooking school out of international shipping containers to help impoverished people get jobs in Cape Town restaurants. He visited a 48-room hotel made out of more than 50 cast-off containers.

"I had a revelation. Their cultural bias was villages and huts, using the containers as modules," Martin said.

Global Peace Containers Inc. was formed upon his return to Atlanta. Then, a Catholic bishop asked for help in the construction of a school in Jamaica. Martin was on site as the school went up — in just one month — at a cost of \$10,000.

The elementary school in Cross Keys, Jamaica, consists of four containers placed corner to corner with a center courtyard. Openings were cut out for windows and doors. About 150 children now attend the school.

"There are people who live so rough down there. They are the poorest of the poor. Getting to go down there and help people is almost like being a revolutionary against poverty," said Ludwig, who travels to Jamaica about every three months.

Global Peace Containers purchases retired international shipping containers, converting them into medical facilities, community centers or emergency housing — whatever the need. An eight-acre orphanage outside of Montego Bay, Jamaica, is being constructed from 44 shipping containers.

Ludwig said the containers, made of steel or aluminum and designed to support extreme loads, are hurricane resistant and watertight and can be set up quickly following disasters. Brick, stone or wood facades can be added, and the structures are easily expandable simply by adding more containers.

While Global Peace Containers is concentrating on Jamaica, there are other groups that provide refugee and disaster housing built from shipping containers in places such as Afghanistan and Iraq.

"We have a lot of plans that we

send out to schools in India and Africa," Ludwig said. "We have people call up from around the world all the time. We have a sister company called Project Happy Child that sends scholastic exams, homework programs and course programs to schools all over the world.

"People are so hungry for education in Jamaica. The families are so proud of their children when they get into school. The saddest thing is their families can't even afford the pencils and paper to go to school."

After the orphanage is completed, Ludwig hopes to build a 100-acre village entirely out of shipping containers. He said that villagers could support themselves through the manufacture and sale of arts and crafts and a sustainable farm.

"Georgia Tech lighted the way in my life. I'm trying to bring the electricity of education to light the world," Ludwig said. "When you put a roof over people's heads or provide a place for them to meet, that starts the ball rolling."

Martin said Global Peace Containers needs the help of smart businesspeople with big hearts. "I'm an old industrial designer. It's got to be a business. You have to make it profitable," Martin said.

He said the island of Jamaica could receive a huge economic boost if containers, many of which are simply dumped there, could be prefabricated on the island and shipped around the world to house orphans in Mexico, educate children in Africa and give medical aide to refugees in Afghanistan.

"There's absolutely no limit."

For more information...

Global Peace Containers
www.gbs-gpc.com

Building Construction Program
www.coa.gatech.edu/bc

This year, open enrollment moves on-line

Paperless changes to benefits plans

Michael Hagearty
Institute Communications
and Public Affairs

For the first time, most changes to a Georgia Tech employee's benefits package can be made without filling out paperwork or standing in line.

This summer, the Office of Human Resources and OIT's Enterprise Information Systems launched Employee Self-Service, a Web-based application that allows employees to view and update their own HR information.

TechWorks is the Web gateway to Employee Self-Service. After a spring pilot project, OHR and OIT rolled out Employee Self-Service via TechWorks to more than 13,000 faculty and staff

members, including student employees.

Open enrollment will be held from Oct. 12 - Nov. 12 for health insurance, short/long-term disability insurance, life insurance, supplemental insurance, dental plans and flexible spending accounts.

In order to make changes, employees will need to log on to TechWorks with account and password information. Confirmation statements will be e-mailed to employees after changes have been made.

For more information...

Office of Human Resources

www.ohr.gatech.edu

TechWorks

techworks.gatech.edu

K-9, cont'd from page 1

interrupts criminal activity. The primary role of the K-9 unit is crime suppression, and the principal benefit its presence on campus has is deterrence.

"If you look at the crimes being committed," he said, "most are crimes of opportunity and most are by people not associated with Georgia Tech." Police dogs, he noted, add a psychological component to criminal behavior that can have a profound effect.

The proof is in the numbers, which indicate Tech's overall crime statistics are down over the previous year. Criminals are getting the message, Frechen said, that Georgia Tech is no longer an easy mark.

"We're pushing them out," he said.



K-9 Officer Paul Honcharik demonstrates Tiger's ability to detect explosives.

Photo by Nicole Cappello

Hotline, cont'd from page 1

"Alcohol sales to underage or intoxicated persons are a lucrative business and a serious problem in Atlanta, but residents often feel afraid to report businesses they suspect of conducting these sales because of potential reprisals," said Marsha Brinkley, project director of GT SMART. "Calling 911 is still the best way to report any crime, but the hotline is a good alternative for residents who wish to report their concerns without having their identity revealed."

Establishing the tipline is just the latest in a series of partnerships GT SMART has formed with the city of Atlanta this year to reduce high-risk drinking. In May, the organization and Atlanta City Councilmember H. Lamar Willis announced a free online training program for managers and servers of alcohol in Atlanta to help them reduce underage drinking and sales to intoxicated patrons. More than 182 alcohol servers and sellers have completed the Responsible Alcohol Sales and Server (RASS) training program, and another 154 are currently enrolled.

The first of its kind in Georgia, training is available online at any time to alcohol-licensed businesses in the city of Atlanta. Tech hopes to widen the program to businesses in DeKalb, Fulton and Cobb counties later this fall.

"The safety of our students and our communities is our primary concern," said Brinkley. "The training program helps establishments develop service policies and teach their staff how to handle situations in which minors or intoxicated patrons are trying to buy alcohol, while the hotline provides citizens with a way to report those businesses that continue to flout the law."

Brinkley also believes that stopping the use of fake I.D.s is essential to reducing underage drinking.

The hotline and training program are funded by grants from the Children and Youth Coordinating Council.

"Our goal is to reduce and some day eliminate the chances of another tragedy through increased awareness, community participation and stricter enforcement of the laws," said Pennington. "The GT SMART Tip Hotline is a valuable tool for the Atlanta Police Department, Georgia Tech and the people of Atlanta as we answer the call to partner for a better quality of life for us all."

For more information...

GT SMART Tip Hotline

404-894-6232

RASS Training

www.gtsmart.gatech.edu

IN BRIEF:

Chameau honored by Society of Women Engineers

On Oct. 15, Provost Jean-Lou Chameau will receive the 2004 Distinguished Rodney D. Chipp Memorial Award from the Society of Women Engineers (SWE) during the organization's National Conference Achievement Awards Banquet in Milwaukee.

The Chipp Award recognizes Chameau for his "exemplary commitment and sustained leadership in the recruitment, retention and advancement of women engineering students and faculty."

"Dr. Chameau's commitment to promote and advance women in engineering is commendable," SWE President Vi Brown said. "Through his dedication and unwavering support, he has made a significant difference for women engineers and women educators at Georgia Tech."

During his 13-year tenure at Tech, Chameau has made a significant impact in advancing the progress of women engineers through increasing the hiring and the promotion of women engineering faculty members and the enrollment of women engineering students; sponsoring and leading development programs for women engineering faculty; and creating and sustaining an environment that supports women engineers' full participation and career success.

Chameau received his secondary education and undergraduate degrees in France, and received M.S. and Ph.D. degrees in civil engineering from Stanford University.

CATEA launches Spanish-language Web site

The Southeast Disability and Business Technical Assistance Center (DBTAC) — a project of Georgia Tech's Center for Assistive Technology and Environmental Access (CATEA) — has announced the launch of its new Spanish-language Web site.

The goal of the site is to reach the growing number of Hispanic businesses plus the Spanish-speaking community at large with information about the Americans with Disabilities Act (ADA).

The site responds to the needs of a segment of the population that has grown to become the largest ethnic minority in the country, with more than 35 million people.

"Reaching the Spanish-speaking community is an important priority for the Southeast DBTAC," Project Director Shelley Kaplan said. "Users visiting our new Web site will find information about the ADA and the rights of individuals with disabilities."

CATEA is a research unit of the College of Architecture. For more information, visit www.sedbtac.org/espanol.

FASET cabinet recruitment

The FASET Cabinet is a 12-member undergraduate board of campus leaders who are charged with the programming and operation of the FASET Orientation program for new students and parents. The board serves a one-year term, from November through October. FASET is currently accepting applications and recommendations for these positions. No prior FASET experience is required.

Those who know a student who is an excellent campus leader are being asked to refer them to www.faset.gatech.edu for more information about this role, or e-mail FASET Director Amy Stalzer at amy.stalzer@vpss.gatech.edu.

C A M P U S E V E N T S

Arts & Culture

Oct. 17

The Ferst Center for the Arts welcomes the dance company Pilobolus for a 5 p.m. performance. For tickets, visit www.ferstcenter.org.

Oct. 21

The School of Literature, Communication and Culture hosts the third annual Bourne Poetry Reading, hosted by Thomas Lux and featuring Mary Karr, Kurtis Lamkin and Gerald Stern, at 7 p.m. in the LeCraw Auditorium. No tickets are required. For more information, visit www.iac.gatech.edu/poetry.html.

Brown Bags/Conferences/Lectures

Oct. 14

The GVI Center's Brown Bag Lecture Series welcomes Mark Abel, director of Solutions Architecture and Innovation in Intel's Desktop Platforms Group, on "Toward the Digital Home," at noon in TSRB 132. For more information, e-mail richard.catrambone@psych.gatech.edu.

Oct. 15

A Cognitive Science Colloquium featuring Vanderbilt University Professor Rogers Hall on "Studies of Disrupting Representational Infrastructure: Toward a Theory of Distributing Cognition," will be at 2 p.m. in the MaRC Auditorium. For more information, visit www.cc.gatech.edu/cogsci.

Oct. 20

The College of Management's IMPACT Speaker Series welcomes Kathleen Kurre, president and founder of Fusion Advisors, at 4:30 p.m. in the LeCraw Auditorium.

Faculty/Staff Development

Oct. 15

The Office of Organizational Development hosts a brown bag on "SkillPort eLearning Demo." This demo will show more about a learning resource that is available free to Georgia Tech faculty, staff and students, at 11:30 a.m. in room 203, Savant Building. For more information, visit www.trainsweb.gatech.edu/mastcal.asp.

Oct. 19

The College of Management hosts the second annual Springboard Growth Capital Workshop for Women. For more information, visit www.mgt.gatech.edu.

Oct. 21

The Office of Sponsored Programs offers a brown bag workshop on "New Budget Template," at the Research Administration Building. To reserve a seat, call 894-6944.

Miscellaneous

Oct. 14

The fall meeting of the General Faculty and General Faculty Assembly combined with meeting of the Academic Senate, at 3 p.m. in room 236,

Global Learning and Conference Center. For more information, visit www.facultysenate.gatech.edu.

Oct. 20

The Annual Benefits Fair will be held from 10 a.m. - 2 p.m. in the Student Center Ballroom. Representatives from the health insurance carriers, tax deferred annuity companies, AFLAC, MetLife, Teachers Retirement System, optional retirement plan, short/long-term disability insurance plan, the Credit Union and CompBenefits will be present, as well as staff members from the Office of Human Resources. While supplies last, Student Health Services will provide flu shots at cost.

Oct. 25

An open enrollment information session will be held at the GTRI Cobb County facility, 11 a.m. - 1 p.m. in Building One, Conference Room 104.

Oct. 21

The Office of Sponsored Programs welcomes representatives from the American Heart Association who will present information on preparing a winning application for a grant or fellowship. E-mail nadia.zitman@osp.gatech.edu or call 894-6944 to attend.

Oct. 29-30

The 8th annual Women's Leadership Conference will be in the Georgia Tech Student Center. Visit or call the Student Center Box Office at 894-9600 to register. For more information, visit www.womenscenter.gatech.edu/wlc.

C L A S S I F I E D S

APPLIANCES

Kenmore washer and dryer. Two years old, very good condition. Will deliver. \$350 for both. Call 678-458-4339 or e-mail steve.swan@gtri.gatech.edu.

Whirlpool stove. White w/gray burners, 4 years old, \$200. E-mail vivian.johnson@me.gatech.edu or call 894-2110.

2 Frigidaire appliances for sale: electric stove with oven, \$200; refrigerator with freezer, \$100; or \$250 for both. Good condition. Call 770-337-7337.

AUTOMOBILES

1982 Volkswagen Rabbit convertible. New top, battery, alternator and windshield. Excellent condition, 100K miles. A true classic and a fun little car. All records, \$1,500. E-mail dhoff86@att.net.

1991 Mitsubishi Eclipse. 2-door, 5-speed, new clutch, new tires, power windows, cruise, good condition. \$2,000. Call Johnny, 404-688-2123.

1995 Nissan Maxima GLE. White, black leather interior, 110k miles, Bose speakers, wood trim interior, sunroof, airbags, security system. Excellent maintenance history. \$5,500. E-mail lee@cc.gatech.edu.

1997 Honda Accord EX. Automatic, 4-cyl. V-TEC, 4-door, champagne, alloy wheels, 6-disc CD changer. Excellent condition, dealer maintenance, one owner. 107K miles, \$7,000. E-mail boaz.chiu@gtri.gatech.edu.

1998 Saturn SL2. Manual, a/c, 113K miles, new tires, good condition, \$3,100. E-mail tanner@eas.gatech.edu or call 678-494-9369.

1999 Mitsubishi Galant. Silver, V6, good condition. \$7,800. E-mail rita@cc.gatech.edu.

FURNITURE

Sofa/loveseat recliners, \$500; white oak washed tall armoire, \$475. All like new. Contact for pictures. E-mail kathy.cheek@ece.gatech.edu or call 770-975-3794.

Black metal full-size futon frame with mattress, \$100. Call Deborah, 404-627-8773.

Excellent office desk and credenza set in natural oak veneer, \$600; bookshelf and bookcase in simulated oak finish, \$50 each. E-mail mperdue@eas.gatech.edu or call 404-846-8878.

Oval, wooden dining room table with leaf section and 4 chairs, \$65. Ceiling fan, \$20. Will send digital photos. E-mail david.carico@dev.gatech.edu.

Solid wood computer armoire. Built-in CD shelves, 1 file drawer and 2 smaller drawers. Bi-fold doors. Purchased for \$999, sell for \$350. To see pictures, call 894-6832 or e-mail mwilson57@bellsouth.net.

Queen futon. Beechwood frame and great futon mattress with light brown cover and cushion. In great condition. \$200 OBO. E-mail britta.kallin@modlangs.gatech.edu or call 404-681-4219.

King size oak bedroom set; mattress/box springs, armoire, night stand, dresser w/mirror; \$450. Ready for quick sell. Call Harper, 404-243-0879.

Natuzzi leather sofa, rose color, hardly used. Also, a glass coffee table. Look great together. Call 404-355-3888 evenings.

REAL ESTATE/ROOMMATES

2BR/2BA house in East Atlanta. Huge rooms, high ceilings, 4 fireplaces, hardwood floors, front porch and rear patio. Complete renovation: new kitchen, roof, HVAC, plumbing, exterior paint. \$239,900. Call 404-964-3964.

1BR/1BA condo for rent. Skyline views, across street from the Fox Theatre. Concierge and secured assigned parking space. Available Oct. 1, deposit and references required. Call Joel, 404-229-1804.

Reduced 3BR/2BA home in Lithia Springs. 25 minutes to Tech. Motivated seller. 2-car garage, full basement, private back yard and screened porch. Pictures available, MLS #957175. \$219,000. Call Glenda, 404-843-2500.

1BR carriage house apt. available October 15. Three miles from campus in beautiful neighborhood. Rent: \$550 per month, one-year lease preferred. E-mail william.long@inta.gatech.edu.

2BR/2.5BA Roswell townhome, GA-400 at Holcomb Bridge. Just renovated, new carpet, paint, flooring, dishwasher, flat-top oven. 2-car carport. \$105,000. Contact Michael Gilbert, 894-5982.

2BR/2.5BA townhouse in Peachtree Corners, 3 miles outside I-285. New roof, new front walkway, newer deck, wooded community, W/D, fireplace, many updates. \$95,500. Contact Sheila at 770-453-9388 or e-mail sjbosch@yahoo.com.

2BR/2.5 BA townhouse available for lease/purchase in Smyrna. Large sun room and finished basement. Fireplace, a/c, dishwasher, patio and back yard. \$1,000/month. Call 404-273-2061.

SPORTS/FITNESS/RECREATION

Ladies golf clubs: 1-3-5 woods and 3-PW irons, brand new Winn grips. Choice of three bags. \$120. Call 894-4706 or e-mail john.dorsey@ece.gatech.edu.

MISCELLANEOUS

White vinyl post and rail fencing. Tri-rail, 4.5 feet high once installed. 104 linear feet. Near perfect condition, \$200. E-mail drew.mobley@gtrc.gatech.edu or call 385-0449.

Blue and tiger striped pit bull puppies, \$250. 12 weeks, wormed, shots current. Call Mike at 404-784-5707.

Five-carat diamond bracelet, yellow gold, appraised for \$4,800, selling \$2,000. Raised cluster diamond ring, 1.5-carat, yellow gold, size 6, worn twice, \$200. Call 894-0886.

Almost new SuperYard XT weatherproof play area for small children or puppies, \$60 OBO. E-mail harbertj@bellsouth.net or call Ann at 404-219-1115.

5-piece drumset, black, great starter set, needs new snare drum head. Asking \$200 OBO. E-mail Daniel at dhoff86@att.net.

Due to the volume of submissions, it may take several weeks for ads to appear in print.