

# The WHISTLE

The Georgia Institute of Technology

Faculty/Staff Newspaper Volume 23, No. 39

November 1, 1999

## TEAM Buzz lends helping hand to Atlanta and beyond

*Melissa Matassa  
 Faculty/Staff Involvement Chair, TEAM Buzz*

Georgia Tech students, faculty, staff and alumni cleared their calendars on Oct. 23 for the annual Institutewide effort to lend a helping hand to community organizations and agencies throughout Atlanta. The third annual TEAM (Tech Enhancing Atlanta Metropolitan) Buzz Community Service Day is an opportu-



Down to earth: Students participating in TEAM Buzz spread mulch at Piedmont Park as volunteers for Piedmont Park Conservancy.

nity for Tech students, faculty, staff and alumni to work side by side in a range of social service projects. More than 1,800 volunteers took part in this year's TEAM Buzz—a big increase over last year's 1,400 volunteers.

Trey Childress, TEAM Buzz chair and Tech student, said "Through TEAM Buzz, we hope to excite and encourage year-round service to others while creating a greater sense of community at Georgia Tech."

The event's kick-off rally brought participants together for breakfast and a reminder of the purpose behind TEAM Buzz. President Wayne Clough spoke about the importance of community service, especially for Tech students. "I think this is a really exciting concept for Georgia Tech. This is an institution devoted to sustainable technology, and the focus of TEAM Buzz is caring for and sustaining the community. TEAM Buzz is important because Tech students are all so intelligent and talented; they need to show that they are human, too," he said.

The kick-off rally concluded with volunteers dispersing throughout the Atlanta community and beyond. In an extension of the community service ethic of TEAM Buzz, clothes, food and personal care items were collected for displaced students, faculty and staff at East Carolina University, where recent flooding due to Hurricane Floyd damaged or destroyed their accommodations and personal possessions. The project was led by Karen Boyd, senior associate dean of Students, who formerly worked at ECU and knew many of the people who were hardest hit by the hurricane.

TEAM Buzz volunteers sorted and loaded the supplies onto a truck donated by U-Haul, then Boyd and several other volunteers took to the road to deliver the supplies to the ECU relief fund distribution site in Greenville, N.C. When asked why she went to such lengths, Boyd said that the project was simply "about students, faculty and staff helping other students, faculty and staff."

The 60 local social service projects ranged from home repairs and planting trees to preparing meals, activities that benefited the elderly, children, the homeless and many others in Atlanta. Volunteers cleaned up local parks, rebuilt parts of Reynoldstown, sorted clothing, played with children and distributed food.

Student June Cai has coordinated projects for two years in a row. "TEAM Buzz makes it easy for anyone to get involved," she said, "especially for people who may not have the opportunity to do so otherwise. It brings together people who want to participate and benefit our community."

Organizations and agencies that participated in TEAM Buzz Community Service Day include: Atlanta Community Food Bank, Dunwoody Nature Center, Goodwill Industries, Piedmont Park Conservancy, Reynoldstown Revitalization, St. Vincent De Paul Society, Trees Atlanta, Center for the Visually Impaired and Salvation Army's William Booth Towers.

This year the spirit behind TEAM Buzz spread beyond Georgia Tech's campus. Alumni clubs in California, Texas and South Carolina coordinated "satellite" TEAM Buzz events on the same day as Atlanta's event to serve their own communities and show that Tech's spirit of giving extends beyond campus boundaries.

**"Through TEAM Buzz, we hope to excite and encourage year-round service to others while creating a greater sense of community at Georgia Tech."**

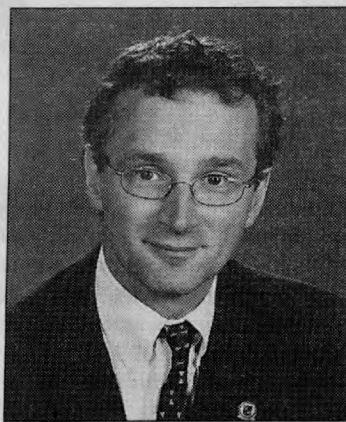
*Trey Childress,  
 Chair, TEAM Buzz*

# Tech names first winners of \$100,000 Coulter Award

Victor Rogers  
Institute Communications and Public Affairs

Wallace H. Coulter is not a household name, but his contributions to medicine are recognized every day in hospitals and each week on television dramas such as *E.R.* and *Chicago Hope*. His Coulter Counter is used to perform medicine's most requested and informative diagnostic test—the complete blood count, or “CBC.”

Coulter, who died in 1998, sought no public acclaim. Instead, the Georgia Tech alumnus derived satisfaction from the knowledge that his work had improved the quality of life



Mauro Ferrari

for millions of people. His legacy is the Wallace H. Coulter Trust, which last year created the Wallace H. Coulter Award for Innovation and Entrepreneurship at Georgia Tech. The award provides \$100,000 to an individual with the potential to achieve the highest level of engineering innovation, resulting in technological advances with health care applications.

This is the first year of the Coulter Award. The selection committee received several outstanding applicants and chose two winners to receive \$100,000 each: Mauro Ferrari, a professor of biomedical engineering at The Ohio State University, and Michael Wach, president of Visionex Inc. in Atlanta.

The selection committee also chose four semifinalists, each receiving \$10,000: Robert E. Apfel, Ph.D., professor at Yale University; Janet Hampikian, Ph.D., associate professor at Georgia Tech, and Neal A. Scott, M.D., Ph.D., professor at Emory University School of Medicine (joint proposal); Sundaresan Jayaraman, Ph.D., professor at Georgia Tech; and Dorothea Zucker-Franklin, M.D., professor at New York University Medical Center. The awards were presented Oct. 22 at the College of Engineering Alumni Awards Induction Ceremony.

“The Coulter Award recipient must be a visionary with the commitment and passion to take an invention from conception to practical application for the benefit of humankind, even despite enormous odds,” said Jean-Lou Chameau, dean of the College of Engineering. “We believe we have selected two winners who will open new frontiers through technology that will profoundly affect the quality of life for many, much as Wallace Coulter did with his inventions.”

Ferrari devised a method for implanting tiny silicon capsules—about the size of a pinhead—beneath a patient's skin. Such capsules would carry healthy transplant cells that would take the place of the patient's malfunctioning cells by producing needed chemicals for the body. For example, capsules in diabetics could allow patients to produce insulin again.

Today, doctors suppress patients' immune systems with drugs to keep antibodies from destroying transplanted tissue, leaving patients open to infections. Ferrari's technique eliminates the need for immunosuppression and the need for transplanting an entire organ.

Michael Wach received the Coulter Award for his technical and business achievements related to integrated optics. Wach's fiber optic instruments function like a “biochemical laboratory on the tip of a needle.” They offer a real-time window into subtle interactions between drugs, tissue and disease. For example, discovering the effect of new drugs promises to provide new treatments for cardiovascular disease, the nation's leading killer.

Wach's approach to controlling fiber optic light parallels today's “integrated circuit” chips that control electrons and are the backbone of the electronics and computer industry.

The “optical chip” technology pioneered by his team at Visionex Inc. provides low-cost, microscopic means to implement sophisticated optics. This technology is the platform for highly miniaturized instruments that are inserted into the human body for biochemical analysis.

Candidates for the Coulter Award must have individual ownership of, or contractual commercialization rights to, their research/innovation but are not required to possess a university degree or a prior relationship with Georgia Tech.

For more information on Mauro Ferrari's research, see [www.acs.ohio-state.edu/units/research/archive/capsule.htm](http://www.acs.ohio-state.edu/units/research/archive/capsule.htm). For more information on Michael Wach's research, see [www.visionex-inc.com](http://www.visionex-inc.com).

For application information, see the Coulter Award web page at [www.coulter.gatech.edu](http://www.coulter.gatech.edu) or contact Molly Croft at 385-0128 or [molly.croft@bme.gatech.edu](mailto:molly.croft@bme.gatech.edu).



Michael Wach



## The Whistle

Editor-in-Chief: Denise Noble  
Published by Institute Communications and Public Affairs.

Publication is weekly throughout the academic year and biweekly throughout the summer.

The Whistle can be accessed electronically through the Georgia Tech Web page, or directly at [www.whistle.gatech.edu](http://www.whistle.gatech.edu).

E-mail Whistle submissions to [denise.noble@icpa.gatech.edu](mailto:denise.noble@icpa.gatech.edu), or fax to Denise at 894-7214, at least 10 days prior to desired publication date. For more information, call 894-8324.

All phone numbers listed in The Whistle are in the 404 area code unless otherwise indicated.

Cost/\$450      Copies/4,800

Institute Communications and Public Affairs  
Wardlaw Center  
177 North Avenue  
Atlanta, Georgia 30332-0181

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

## The Campaign for Georgia Tech hosts faculty/staff Roll Out

Roll Outs for The Campaign for Georgia Tech continue to be held across the country to celebrate the Campaign's progress and strengthen ties with Tech supporters. A special Roll Out, however, will be held for Georgia Tech supporters who contribute daily—members of the faculty and staff.

The (GT)<sup>2</sup> Club, the Faculty/Staff Club and the Faculty/Staff Fund invite all faculty and staff to join President Wayne Clough in a reception celebrating The Campaign for Georgia Tech's commitment to those who contribute to Tech each day. Attendees will find out about the different ways the Campaign will enhance the Georgia Tech environment.

“There are so many ways that the Campaign will benefit those of us who work for Georgia Tech every day,” said Rich Combes, chair of the Faculty/Staff Fund.

The reception will be held Nov. 11 in the President's Suite in the Student Success Center. Festivities begin at 3:30 p.m., with the program starting at 4 p.m. For more information, contact Whitney Wilhelm at 894-0782.

### Correction

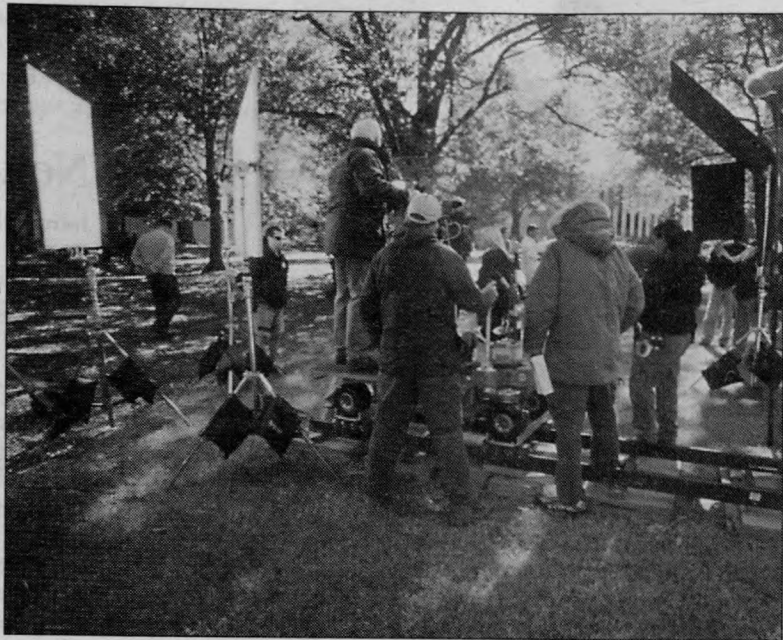
The caption accompanying the photo of the dedication of the Bioengineering and Bioscience Building in the Oct. 18 issue contained an error. Pictured on the far right is Dr. Peter Katona, president, Biomedical Engineering, Whitaker Foundation.

### Town meeting on semester conversion

A town meeting will be held on Nov. 2 to discuss “Will This Semester Ever End?!” All are welcome to express concerns and share solutions. The event, sponsored by the Center for the Enhancement of Teaching and Learning, will be held from 11 a.m. - noon at the Campanile (rain location, Hightower auditorium). For more information, call 894-8898.

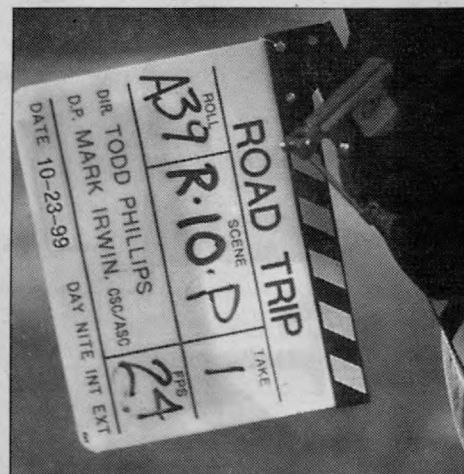
GEORGIA TECH LIBRARY

## Lights, camera, Tech



Photos by Stanley Leary, Institute Communications and Public Affairs

Film producers and crews set up shop on campus Oct. 23 and 24 to shoot scenes for *Road Trip*, a comedy about a college freshman on a cross-country trek to visit his long-time girlfriend at another college. Nearly 200 Tech students were cast as extras. Filming sites



included the Administration Building (interior and exterior), Cherry Street outside the Swann Building, classrooms in the D.M. Smith Building and Professor Gus Giebelhaus' office, also in the D.M. Smith Building.

## Did you know

### Benefits Fair

The Georgia Tech Benefits Fair will be held on Nov. 17 from 10 a.m. - 3 p.m. in the Student Center Ballroom. An open session also will be held at the Cobb County facility on Nov. 15 from 11 a.m. - 1 p.m. in the Building One Auditorium.

Representatives from health insurance carriers, tax deferred annuity companies, Teachers Retirement System, Optional Retirement Plan, U.S. Savings Bonds Plan, Credit Union and Oral Health Services will be present, as well as Human Resources staff members. Kaiser will provide free cholesterol, blood pressure and body fat testing. United Healthcare will sponsor free vision screenings conducted by Ciba Vision.

During open enrollment, Nov. 1-30, additions or changes may be made to the following benefit plans: health insurance, life insurance, long-term disability insurance, 125 Pre-Tax, 129 Dependent Care Spending and Oral Health Services. For more information, contact the Benefits Office at 894-8374, -3925, -8627, -3958, -8374, -3299 or -1417.

### Georgia Tech Faculty Women's Club

Formed in 1921, the Georgia Tech Faculty Women's Club is open to the wives of the Georgia Tech general faculty and women members of the faculty. When the club began, its

monthly meetings were held in the homes of members. Now meetings are held in various locations throughout the city in order to incorporate tours, talks, meals or other activities.

In addition to the club's monthly meetings, special interest groups have formed to meet membership needs, including: Book Discussion, Book Review, French Conversation, Dirt Daubers (gardening), Ferst Friends, Investment Club, Lunch Bunch, Needlework, Meditation and Relaxation, Social Bridge, Free-Spirited Sojourners, Spanish Conversation and Tech Mom and Little Jackets. These groups typically meet once a month as well. For the past eight years, the club has also offered scholarships for children of Tech employees and has helped in Atlanta's annual Festival of Trees.

The club meets next on Nov. 17 at 11 a.m. for a tour of the Michael C. Carlos Museum at Emory University. The club will also meet Nov. 30 for "Women's Club Night" at Alexander Memorial Coliseum to support the Lady Jackets who will take on N.C. State. The event includes a pre-game reception, locker room tour and free admission to the game. For more information, contact Pat Webb at 770-487-5410.

### (GT)<sup>2</sup> Club announces 2000 scholarship

The (GT)<sup>2</sup> Club announces its fourth annual scholarship competition. The program, which is funded by donations from past and present Tech employees through the Faculty-Staff Fund and supplemented by the Georgia Tech Alumni Association, will award two \$3,000, one-year scholarships to sons or daughters of current Georgia Tech employees who will enroll as freshmen next fall semester.

To qualify for the competition, students must be the son or daughter of a current permanent employee of Georgia Tech and have been accepted for admission to the 2000 freshman class of Georgia Tech.

Selection will be based on demonstrated leadership, activity involvement and academic performance as determined through the application and a personal interview. Financial

need will be considered only if required to distinguish among top finalists with similar qualifications.

To apply for the scholarship, candidates must:

✓ Submit the Georgia Tech application for admission by Jan. 15, 2000. The admission application may be completed and submitted on the web at [www.enrollment.gatech.edu/admissions/](http://www.enrollment.gatech.edu/admissions/) or a hard copy may be submitted to the Office of Undergraduate Admission.

✓ Complete the (GT)<sup>2</sup> Club Scholarship application, also by Jan. 15, 2000, and submit it to the Office of Special Programs, Georgia Tech, Atlanta, GA 30332-0288. The scholarship application may be downloaded from the (GT)<sup>2</sup> Club web page at [www.enrollment.gatech.edu/gt2/](http://www.enrollment.gatech.edu/gt2/).

# Campus EVENTS

## Arts/Culture

Nov. 12 - 13, 17 - 20

DramaTech presents **Geography of a Horse Dreamer**. Sam Shepard's play depicting a man with a gift for picking winning horses in his dreams. 8 p.m., James E. Dull Theater. For reservations, call 894-2745.

## Brown Bags/Lectures

Nov. 4

John P. Imlay Jr. Dean's Lecture "**Computing Beyond Your Dreams—Opportunities and Challenges for Cyberenvironments**," by Gregory Abowd, assistant professor, College of Computing. 4:30 p.m., GCATT Auditorium. Reception at 4 p.m. Contact: Nancy Pinion, 894-9930.

Nov. 5

Cognitive Science Colloquium Series. "**Supporting Investigation and Argumentation in Science Classrooms**," by Brian Reiser, Northwestern University. Noon - 1:30 p.m., Student Center Theater. Contact: susanj@cc.gatech.edu

"**New Perspectives on Marine Stratiform Clouds**," by Dr. Don Lenchow, NCAR. 3 - 4 p.m., Student Success Center, Clary Theater. Contact: Susan Ryan, 894-3893.

Nov. 5 - 6

The Atlanta Christian Apologetics Project presents "**By Chance or Design? Critiquing Contemporary Evolutionary Theories and Presenting Evidence for Intelligent Design**." Registration begins at 5:30 p.m., program starts at 6:45 p.m., Student Center Ballroom. Pre-registration: \$30 non student; \$20 student w/ ID. At the door: \$40 non-student; \$30 student w/ ID. Contact: 770-482-2227.

Nov. 8

**Phillips Petroleum/C. J. "Pete" Silas Symposium on Ethics and Leadership**, sponsored by the School of Chemical Engineering. Speaker: Raymond V. Gilmartin, CEO of Merck. 4 p.m., IBB, Rm. 1128. Reception to follow. Contact: Timothy Wick, 894-8795.

Nov. 12

The DuPree College of Management's iXL Center for Electronic Commerce presents "**Electronic Commerce: Visions and Reality**," by Stuart I. Feldman, director, IBM Institute for Advanced Commerce, and director, Networked Computing Software Research at IBM T. J. Watson Research Center. 10:30 a.m., GCATT auditorium. Contact: 385-0138 or michelle.graham@mgt.gatech.edu.

## Courses/Workshops

Nov. 8

**Intermediate Word 97**. 8:30 a.m. - 5 p.m., Savant Building, Rm. 203, \$50. To register, see the web at [www.training.gatech.edu](http://www.training.gatech.edu). Contact: Wansley Dennis, 894-2249 or [wansley.dennis@success.gatech.edu](mailto:wansley.dennis@success.gatech.edu).

Nov. 9

**Introduction to Excel 97**. 8:30 a.m. - 5 p.m., Savant Building, Rm. 203, \$50. To register, see the web at [www.training.gatech.edu](http://www.training.gatech.edu). Contact: Wansley Dennis, 894-2249 or [wansley.dennis@success.gatech.edu](mailto:wansley.dennis@success.gatech.edu).

Nov. 10

**Brown Bag on Microsoft Office 2000**. 11:30 a.m. - 1 p.m., Savant Building, Rm. 308. No charge. Limited to 20 participants. To register, contact Wansley Dennis, 894-2499 or [wansley.dennis@success.gatech.edu](mailto:wansley.dennis@success.gatech.edu).

**Intro to SciVis Lab**. Introduction to facilities and resources of the Scientific Visualization Lab ([www.scivis.gatech.edu/](http://www.scivis.gatech.edu/)). Resources include visualization software and video editing equipment. 4 - 6 p.m., College of Computing, Rm. 259 (GVU Center). Register with [markus.deshon@oit.gatech.edu](mailto:markus.deshon@oit.gatech.edu).

## Miscellaneous

Nov. 9 - 11

**Blood drive**, sponsored by FIJI, the MOVE Office and the American Red Cross. 10 a.m. - 4 p.m., Student Center Ballroom. Contact 894-2002.

Nov. 12

**Tech Pet Fest**, sponsored by the Tech Bookstore and The Pet Files. Learn more about alternative health care, nutrition, clubs, dog training and pet products. Event also features ongoing agility, frisbee and flyball exhibitions, wildlife information, and products and services including the Pet Directory, Three Dog Bakery, Cat's Request, Critter Chatter Magazine, Critter Magazine, Barking Hound Village and the Next Best Thing Pet Sitting. 10 a.m. - 2 p.m., CyberCafe deck. Faculty and staff are invited to bring their pets. Contact: Gigi Weinrich, 894-1642 or Rhonda Weisberg, 294-8563.

*Editor's Note: Calendar items should be e-mailed to [denise.noble@icpa.gatech.edu](mailto:denise.noble@icpa.gatech.edu) or faxed to The Whistle at 894-7214 at least 10 days prior to desired publication. For more information, contact 894-8324.*

## Classifieds

### AUTOMOBILES

1985 Toyota Camry, 4-dr sedan, 88,300 miles, white, auto, a/c, am/fm, cruise, new tires, slight dent on rear. \$3,000, negotiable. Contact 872-9428 or [gt7621b@prism.gatech.edu](mailto:gt7621b@prism.gatech.edu).

1987 Olds Cutlass Ciera Brougham, silver, 4 dr, auto, loaded, low miles, asking \$2,500. Call 894-3635 (day) or 770-418-9025 (eve).

1990 Honda Civic, 5-spd, low mileage, exceptionally clean, well maintained, \$3,700 OBO. Call John, 770-222-9598.

1995 Dodge Intrepid ES. Metallic gray, am/fm/cass, a/c, ps, pb, pw, pdl, auto tilt, auto seat, dual air bags, 111K miles, \$6,000. Contact Marie 894-0870, 770-987-2247 (eve) or [marie.mcvay@icpa.gatech.edu](mailto:marie.mcvay@icpa.gatech.edu).

1996 Toyota Camry, 4-cyl. w/ OD, auto, copper/beige, 4-dr., pw,pdl, leather, alloy wheels, new water pump, timing belt, 47K miles, \$13,500. Contact joanie.turner@arch.gatech.edu.

1996 Saab 900 SE, 3 dr, red with black interior, less than 36K miles. Turbo, sun roof, heated seats, alarm system, fold down rear seat, many other extras. \$20,500. Contact Al Moloff, 892-3099 ext. 270 or 255-4608.

1998 Honda Accord LX, one owner, all records. White, standard features, w/ CD changer, window tint. 31K miles. \$14,800 (below Bluebook). Call 894-5677 (w) or 881-1040 (h).

### FURNITURE

Antique, Victorian-style sofa (\$375) and wing-back chair (\$175). Both need re-covering, photos available. Contact [ec3@prism.gatech.edu](mailto:ec3@prism.gatech.edu) or 894-4233.

Cherry wall unit for computer, \$300; light oak corner TV stand, \$300; brass/glass etagere, \$50. Call 770-760-7748.

Cargo loft bunk bed set. Includes ladder, 2 mattresses, 2 bedspreads. \$450. Contact 770-528-7758 or [mark.richards@etri.gatech.edu](mailto:mark.richards@etri.gatech.edu).

### REAL ESTATE

Academic couple (Tech professor/grad student) seek 1- or 2-BR apt. in Atlanta, 12/15/99 - 5/31/00. Furnished apts. preferred. Contact [thomas.zeller@hts.gatech.edu](mailto:thomas.zeller@hts.gatech.edu) or 873-2419.

Male or female to share 3 BR home, Fairburn, Ga. Near MARTA. \$375/mo. incl. utilities. Robert Sullivan, 800-759-8888, pin#1236193.

Townhome, Smyrna. 1st floor: great room/dining space, fireplace, study, 1/2 bath, master. 2 BR, 1 BA upstairs. 2 large rooms on finished lower level. \$234,900. Betty Noble, 847-7031 or [bill.borland@etri.gatech.edu](mailto:bill.borland@etri.gatech.edu).

1930 Decatur bungalow, totally updated since 1997: new HVAC, roof, kitchen, deck, 2 BA, fireplaces, hardwoods. Walk to MARTA, schools, square. \$279,900. Betty Noble, 847-7031 or [bill.borland@etri.gatech.edu](mailto:bill.borland@etri.gatech.edu).

Large home in Midtown has 2 areas for rent: 1) Furnished BR, BA, kit., private balcony, \$650/mo. (6 mo. rate) or \$600/mo. (12 mo. rate), avail. Jan. 2000; 2) furnished 3rd flr/attic, cable, kit, BA, sleeping loft w/ futon or queen-size hide-a-bed, \$700/mo. (6 mo. rate) or \$650/mo. (12 mo. rate), avail. now. Contact 894-0205 or [howard.deutsch@chemistry.gatech.edu](mailto:howard.deutsch@chemistry.gatech.edu).

For sale: Condo in historic 1920s brick building, 2 miles from Tech. Completely renovated, 2BR/1BA, hardwood floors, high ceilings. Contact [camille.chapman@intprog.gatech.edu](mailto:camille.chapman@intprog.gatech.edu).

For sale: Int'l timeshare, \$2,500. Homebase Freeport, Bahamas. Call 305-8460.

### SPORTS/FITNESS/RECREATION

Dunlop 12-club golf set, with leather golf bag. \$125. Contact 770-535-5843 (w), 770-535-7345 (h) or [greg.holland@edi.gatech.edu](mailto:greg.holland@edi.gatech.edu).

### MISCELLANEOUS

JVC speakers (13" x 47"), black \$100/pair. Call 385-1155 or 770-577-6267.

Craftsman cart for riding lawn mower/garden tractor, \$100; chain link dog run, 24' long x 6' wide, \$100. Contact Judy, 894-9054 or [judy.whitfield@business.gatech.edu](mailto:judy.whitfield@business.gatech.edu).

Large outside rabbit hutch, 25" d x 65" w x 40" h standing on 35" h legs [75" h total]. \$50. Call 523-8067.

Bellsouth NOKIA cell phone (Model 5120). Will give away phone (\$200 value) if you transfer contract in your name; 16 months left on contract. Instruction book, charger included. E-mail [mb223@prism.gatech.edu](mailto:mb223@prism.gatech.edu).

Free to good home: 2 dachshunds, one male (5 yrs), one female (3 yrs), both "fixed." Contact 770-842-2399 or [chris.lindesy@conted.gatech.edu](mailto:chris.lindesy@conted.gatech.edu).

*Editor's note: Faculty and staff may submit classified ads via e-mail to [whistle.ads@icpa.gatech.edu](mailto:whistle.ads@icpa.gatech.edu) or fax to 894-7214. The deadline for submissions is 10 days prior to issue date. Ads run for a maximum of three weeks in the order in which they are received. For more information, call 894-8324.*