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THE WHISTLE

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'Be Data Wise: Delete, Destroy or Archive' is the theme behind Tech's inaugural Data Cleanup. With broad campus participation, OIT hopes to reduce the amount of sensitive information that could be accessed in a security breach.

Institute readies for campus-wide data cleanup

Robert Nesmith
 Communications
 & Marketing

As part of an ongoing process to develop a campus culture that operates with a minimal amount of sensitive information within each unit, the Office of Information Technology (OIT) at the direction of the President's Office formulated a plan.

From Jan. 22 to Feb. 8, faculty and staff will participate in the Institute's inaugural GT Data Cleanup, which serves to identify and then properly dispose of sensitive information.

"The Tech community has made great progress in implementing sound security practices for professionally managed department systems, and this has significantly reduced the risk of a breach, but has not eliminated all risks," said John Mullin, associate vice provost for Information Technology.

"It's time to ensure that all systems are secure and take the next step by identifying workstations and servers that have sensitive and private information, sometimes unbeknownst to the system owner."

With the slogan of "Be Data-Wise: Delete, Destroy or Archive," the cleanup incorporates another aspect into the event: education. "As people are going through and cleaning up their digital and paper files, they need to understand the nature of the data they are working with," Associate Director of Information Security Victoria Anderson said.

According to the data security classification handbook—which will be sent to vice presidents, department directors and available to everyone in a PDF format—electronic information conforms to one of four categories: public

Data continued, page 3

Tech scores among best values nationally

Georgia Tech ranks 12th among best values for public universities, according to Kiplinger's 100 Best Values in Public Colleges.

Tech moved up one spot nationally for in-state students from 13th in 2007 to 12th in 2008. Kiplinger also ranked Georgia Tech (58) among the 100 best values for students paying out-of-state tuition rates.

Selected from a pool of more than 500 public four-year colleges and universities, schools in the Kiplinger 100 were ranked according to academic quality,



cost and financial aid. Schools that made the list keep costs down through creative financing, such as using funding from lottery ticket sales, university-branded apparel and private fundraisers.

The University of North Carolina at Chapel Hill tops the list, with the University of Florida and the University of Virginia taking second and third, respectively.

For more information...

Kiplinger
www.kiplinger.com

Memory-shape polymers hold medical uses

Abby Vogel
 Research News

Tech researchers are developing unique polymers that can have a direct health care application. The polymers, which change shape upon heating, can be used to open blocked arteries, probe neurons in the brain and engineer a tougher spine.

These so-called shape-memory polymers can be temporarily stretched or compressed into forms several times larger or smaller than their final shape. Then heat, light or the local chemical environment triggers a transformation into their permanent shape.

Polymer continued, page 3

Visionary outreach

Professor lets end-user test ongoing research

Robert Nesmith
 Communications
 & Marketing

For Assistant Professor Bruce Walker, sound doesn't just enhance the other senses. Often times, it replaces them.

Research in his Sonification Lab aims to enable users to interact with displays that convey information—traditionally presented visually—in an auditory manner.

"We turn information into sound," Walker said. "It's technology for people who can't look or can't see." Some examples Walker uses include drivers, surgeons in the middle of an operation, soldiers engaged in a confrontation, or the blind and visually impaired. "A lot of what we do is assistive technology."

In keeping with much of his compatriots, research in Walker's lab could easily have Department

Sonification, continued, page 2



Graduate research assistant Jeff Lindsay and Annie Ovasih, a client with the Center for the Visually Impaired in Atlanta, use the Sonification Lab's SWAN: System for Wearable Audio Navigation. Ovasih's using the game controller to orient herself with the sound coming through the headphone.

QUOTE
UNQUOTE

"I do think you can get better at control, but it's not exercising a muscle. I think No. 1 is avoiding distraction. When you walk into a room where there is an opportunity to eat or drink, don't get too distracted to handle that."

—School of Psychology Chair Randall Engle, disputing a researcher's claim that like exercising self-control is like using a muscle, separating self-control from other cognitive abilities. (The Ottawa Citizen)

Sonification, cont'd from page 1

of Defense applications—and for the most part, it does. However, he takes the approach of working primarily with the visually impaired, as they are "the hardest nut to crack," he says.

"Assistive technology is vastly under-funded," Walker said. "I would rather spend my time and efforts addressing the needs of that population first, because I know what we develop will have applicability across all spectrums."

"If we spend our time and efforts developing something for the visually impaired, they'll get to use it directly, from a consumer standpoint," he said. "On the other hand, if we start the development for a military application, the cost of the final product may be too high for general consumers to benefit."

This approach has led to a burgeoning partnership and unique outreach. Since last February, Walker takes 10 to 12 Tech students each month for "brown bag" lunch meetings with clients and staff of the Center for the Visually Impaired on West Peachtree Street in Atlanta. Researchers explore a theme in each event from the standpoint of the visually impaired. "Travel, education, sports ... for example, how would someone play sports? How do the visually impaired get exercise? It's more difficult than you might think."

Walker, who came to Tech after graduating from Rice University in Houston, shares a dual appointment in the College of Computing and the College of Sciences. Due to the nature of his research, the Lab also often dovetails with the GUV Center, the College of Architecture's Center for Assistive Technology and Environmental Access (CATEA) and GTRI, both in collaborative research and applying for grants.

"Both my appointment and research (are) 75 percent psychology, and 25 percent computing," he said. "My goal is to put more humanity in computers, and increase usability and ergonomics. I try to design hardware and software with humans in

mind by conducting psychological studies first and then building the (equipment)." This led to the good relationship with the Center for the Visually Impaired in Atlanta—what he views as representative of the end-user. "I see them as collaborators and active team members."

And working with CVI helped Walker and his team break through a lot of myths. "We learned about what they need and what they don't need," he said. "Through the discussions, we've come up with a whole bunch of research topics that were waiting to be tackled. Discussion is always forming our research."

In November, instead of a usual round table discussion, Walker brought some of the items the Sonification Lab has been working on. "We had a demo day—sort of like a technology petting zoo," he said.

There were seven or eight demonstrations, which included the lab's SWAN: System for Wearable Audio Navigation; a glove which holds a camera for relaying visual information in an audio format; and the Bone Conduction Headset, which transmits sound to a user without covering the ears. Walker said he is shooting for two GT/CVI demo days a year—one in the fall, and one in the spring.

"People who presented were all from Tech," Walker said. "They included research scientists, graduate students conducting research and those working on class projects."

"In doing this, students were able to present their work to and receive feedback from their intended audience. The students grow so much from these brown bags. They've told me 'we thought we knew what we were doing, but these people taught us things we should have known or didn't know. Now we do.'"

CVI Assistive Technology Specialist John Rempel said he appreciates the give-and-take aspect of the brown bags. "We are able to give to feedback on some of the latest and greatest that Georgia Tech is working on," he said. "Clients are coming and going on a regular basis. It's very educational and informative for the clients we work with."

Walker credits his interest in NASA and the space program with starting him down this path. As a young man, he wanted to be an astronaut, so he earned his bachelor's degree in physics. "I realized I was more interested in being Jean-Luc Picard than in how planets rotate," he said. Specifically his interests turned to the fictional crew's interaction with the ship's computers. "As an astronaut, you may not be looking or be able to look at a display. Using sound to communicate information would be beneficial."

In working with blind and visually impaired populations, Walker credits the relationship he had with his grandfather, who lost his sight. "He was amazing," Walker said. "I'd pick him up for lunch, and he'd direct me where to go in the car, even when to turn. He always knew exactly where he was in the city." As a graduate student at Rice in Houston, the Canadian native forged a research relationship with the Texas School for the Blind and Visually Impaired. "I've always had this idea that you need real participants for your work."

In partially fulfilling his goal, Walker worked for NASA during his post-doctoral student days at Rice University—where he received his doctoral degree in psychology with an emphasis on human-computer interaction. Compatriots told him that Tech was looking for a professor to be affiliated both with the College of Computing and the School of Psychology, so he applied.

Walker says that several of his students have now started volunteering at CVI, outside of the brown bag meetings. "The relationship we have is truly remarkable," he said. "The (CVI folks) appreciate these meetings as much as we do. It's quite fulfilling, both in research and philanthropic goodwill." In the future, Walker says he would like to conduct visits to CVI later in the day to be able to meet with the younger, after-school clients.

For more information...

Sonification Lab
<http://sonify.psych.gatech.edu>

Georgia Tech

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Communications & Marketing
Wardlaw Center
177 North Avenue
Atlanta, Georgia 30332-0181

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Educational tour

Last week, a delegation from the offices of U.S. senators Saxby Chambliss and Johnny Isakson, as well as representatives Paul Broun, Nathan Deal, Phil Gingrey, Hank Johnson, John Lewis, David Scott and Lynn Westmoreland, toured Tech along with Emory University and the University of Georgia. Henrik Christensen, director of the Robotics and Intelligent Machine Center, shows Sting Racing's DARPA Urban Challenge entry (above) and the robotics lab (below, left). Electrical and Computer Engineering Professor Joy Lasker displays wireless chips in the Georgia Electronic Design Center (below, right).



Data, cont'd from page 1

use, internal use, sensitive and highly sensitive. Employee logins, Social Security numbers and non-directory student data, for example, would fall under Category III (sensitive), while external credit card numbers are considered Category IV (highly sensitive). This information must either be secured or deleted.

"We must reduce our exposure and risk by deleting the unneeded information, securely archiving information that needs retention or securely storing needed information on protected department/central servers or storage facilities," Mullin said.

Some departments utilize guidelines that demand a paper back-up file. In response, Anderson says, OIT has partnered with the Library's Archives and Records Management Department to store and archive hard-copy files and the Office of Solid Waste Management and Recycling to securely destroy files.

"Employees must understand

there are retention guidelines for this information," Anderson said. "We need to either shred these documents, if outside the prescribed retention guidelines, or people can store it in the Archives and Records Management Department."

Anderson says OIT has secured the use of Cornell University's Spider, an open-source program designed by the university to locate sensitive information. "It will go through every file and e-mail, and will flag sensitive information, such as Social Security, credit card and Georgia Tech ID numbers," she said. "We are trying to get everyone to run this on their systems."

Those who want to utilize the Spider program should contact their building or departmental Information Technology representative. Users are able to review any files prior to deletion.

If sensitive information is on an employee's system as part of his or her position requirement, then they will be on a departmental list approved by a

manager, which would in turn be signed off by the department head. "These computers will be candidates for encryption," Anderson said. "OIT has obtained copies (of PGP encryption) to be issued to people who might retain sensitive information on their computer."

During the final few weeks of 2007, the tools and protocols of data cleanup were tested among some departments.

OIT stressed that data protection does not start or end with this event—due diligence must be practiced every day. As such, Anderson said she plans to make this an annual campaign.

This initiative is sponsored by the Office of the President; OIT; the Office of Solid Waste Management and Recycling; Facilities—Building Services; the Library, Archives & Records Management Program; Internal Auditing; and the Georgia Tech Information Security Center.

For more information...

GT Data Cleanup
www.datacleanup.gatech.edu

Polymer, cont'd from page 1

"My focus has been to optimize these polymers for many different biomedical applications. My lab studies how altering the chemistry and structure of the polymers affects their chemical, biological and mechanical properties," said Ken Gall, a professor in the schools of Mechanical Engineering and Materials Science and Engineering.

The mechanical properties of these polymers make them extremely attractive for many biomedical applications, according to Gall, who described his research in this area during two presentations at the Materials Research Society's fall meeting in November.

Particular attention must be paid to the biofunctionality, biostability and biocompatibility of these materials for implantation in the body, which come into contact with tissue and body fluids.

With funding from the National Institute of Biomedical Imaging and Bioengineering of the National Institutes of Health (NIH), Gall proposed replacing metallic cardiovascular stents with plastic ones because polymers more closely resemble soft biological tissue. Plus, polymers can be designed to gradually dissolve in the body.

"Metal stents are frequently covered in plastic anyway, so we set out to remove the metal, leaving just a polymer sheath,"

explained Gall. "Also, polymers are more flexible and do not stress the artery walls like the metals."

Gall's research group has designed a shape-memory polymer stent that can be compressed and fed through a tiny hole in the body into a blocked artery, just like a conventional stent. Then, the warmth of the body triggers the polymer's expansion into its permanent shape, resulting in natural deployment without auxiliary devices. This work was published in the journal *Biomaterials* in 2007.

For another project, Gall and graduate student David Safranski have been investigating how altering a polymer's chemistry changes its properties,

such as stretchiness. This project was funded by MedShape Solutions, an Atlanta company that Gall co-founded to develop medical devices primarily for use in minimally invasive surgery.

"You can tailor the polymer to moderate its strength, stiffness, stretchiness and expansion rate," noted Gall.

The researchers found that by changing the chemistry of the polymer backbone to include special side groups, they could increase the amount of strain the polymer could withstand before failing without sacrificing stiffness. This discovery enabled the creation of polymers that could stretch farther and also push harder during recovery.

Gall and graduate student Scott Kasprzak are exploring how these polymers might be used as a deployable neuronal probe, with funding from the National Institute of Neurological Disorders and Stroke of the NIH.

"We're looking for smart materials that can be synthesized in the size range of 100 microns—similar to the size of a strand of hair—and then be inserted into brain tissue," explained Gall.

Another project in Gall's laboratory is examining the use of these polymers for the spine. Most spinal surgeries are currently not performed arthroscopically, so Gall sees benefits in using these shape-memory materials to enable minimally invasive spinal surgery.

With funding from the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), Gall and graduate student Kathryn Smith are developing shape-memory polymers for the spine that are tough—meaning they stretch far and support a lot of weight like native spinal disks.



Photograph by Gary Meek

Professor Ken Gall works with a thermo-mechanical test frame, which is designed to measure properties of the polymers under environmental conditions simulating the human body.

For more information...

School of Materials Science and Engineering
www.mse.gatech.edu
George W. Woodruff School of Mechanical Engineering
www.me.gatech.edu

IN BRIEF:**DLPE interim provost named**

Provost and Executive Vice President for Academic Affairs Gary Schuster announced that Nelson Baker will be the interim vice provost for Distance Learning and Professional Education (DLPE).

Baker, as associate professor of Civil and Environmental Engineering, has served as associate vice provost for DLPE since 2004. His research interests include intelligent learning environments for engineering, applications of artificial intelligence and other robotic applications to civil engineering. The appointment was effective Jan. 1. A search is currently under way for a new vice provost.

William Wepfer, the previous DLPE vice provost, was named chair of the Woodruff School of Mechanical Engineering. For more information, visit www.dlpe.gatech.edu.

New chair for undergrad studies

Industrial and Systems Engineering (ISyE) Associate Professor Chen Zhou is the new associate chair for undergraduate studies at the Stewart School of ISyE.

Zhou is the director of Global Education with the Supply Chain & Logistics Institute, director of the Dual MS Degree Program with the National University of Singapore, and director of the Beijing/Singapore Summer Program.

He succeeds ISyE Professor Paul Griffin, who has returned to the faculty full-time after five years as associate chair. For more information, visit www.isye.gatech.edu.

Half-price day

The Ferst Center for the Arts will offer Tech faculty and staff half-price tickets for the season's shows on Jan. 17.

A valid Buzzcard must be shown, and faculty and staff members can purchase up to two tickets per show. Half-price tickets are available to employees for all performances on the day of the show and on Fridays for weekend shows.

The McCoy Tyner Trio with Savion Glover on Feb. 15 and An Evening with Ricky Skaggs and Bruce Hornsby are excluded from the one-day sale. For more information, visit www.ferstcenter.gatech.edu.

LEGO volunteers needed

The State of Georgia FIRST (For Inspiration and Recognition of Science and Technology) LEGO League Challenge, Feb. 9 at the Student Center, seeks volunteers to serve as referees, scorekeepers, food coordinators and assistants.

220 teams with 1,600 students ages 9 to 14 will begin the challenge, with 48 teams expected to advance to this event.

The School of Electrical and Computer Engineering and the Center for Education Integrating Science, Mathematics and Computing (CEISMIC) are co-hosts of the event. For more information, visit www.ece.gatech.edu.

STEP applications available

Applications are available for graduate STEP fellows for the 2008-9 year. The STEP (Georgia Tech Student and Teacher Enhancement Program) initiative aligns advanced graduate and undergraduate students with metro-area high school teams led by teacher-coordinators in an effort to boost leadership skills among Tech students and increase the math and science performance in Atlanta schools. For more information, visit www.cetl.gatech.edu.

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

Arts & Culture

Jan. 19

The Flying Karamazov Brothers return to the Ferst Center for the Arts with "Fourplay," a show filled with music, juggling and jokes, at 8 p.m. Tickets range from \$20 to \$36. For more information, visit www.ferstcenter.gatech.edu.

Jan. 22

Mexico's Tania Pérez-Salas Compañía de Danza comes to the Ferst Center for the Arts for an evening of Mexican contemporary dance, starting at 8 p.m. The dance company is known throughout Mexico and Europe for its visually stunning movement and sensual theatrics. Tickets range from \$25.60 to \$42. For more information, visit www.ferstcenter.gatech.edu.

Feb. 16

Chemical and Biomolecular Engineering Associate Professor Pete Ludovice is the host for "Pocket Protectors and Other Fashion Statements," at 8:30 p.m. at the Relapse Theatre on 14th Street. The event is the third annual stand-up comedy show sponsored by the MIT Alumni Club of Atlanta. For more information, visit www.drpetecomedy.com.

Conferences & Lectures

Jan. 15-16

Princeton University Professor Simon A. Levin presents "Individual Choices, Cooperation and the Global Commons: Mathematical Challenges in Uniting Ecology and Socioeconomics for a Sustainable Environment," from 4:30 to 5:30 p.m. Jan. 15 in room 1116W of Klaus. "Crossing Scales: Evolutionary Approaches to Ecological Interactions" will be from 2 to 3 p.m. Jan. 16 in room 269 of Skiles. For more information, visit www.math.gatech.edu.

Jan. 16

Red Hat Inc. CEO and President Jim Whitehurst will speak as part of Management's IMPACT Speaker Series, which brings successful professionals on campus weekly to speak about business issues at 4:30 p.m. in LeCraw Auditorium. For more information, visit www.mgt.gatech.edu.

Jan. 17

University of Pennsylvania Professor Louis Soslowsky presents "Tendon Healing in a Rotator

Cuff Animal Model," starting at 11 a.m. in room 1128 of the IBB building. For more information, visit www.ibb.gatech.edu.

Milko Matijascic, an economist with Salesian University of São Paulo, Brazil, presents "Brazil in Transition: Political and Institutional Change During Economic Recovery," from 1:30 to 3 p.m., in room 136 of Habersham. For more information, visit www.inta.gatech.edu.

Jan. 22

University of California at Berkeley Professor Seung-Wuk Lee presents "Development of Novel Bone Regenerating Materials through Directed Evolution Processes Using Genetically Engineered Viruses," part of the Materials Council Seminar, at 3 p.m. in room 299 of the Love Building. For more information, visit www.mse.gatech.edu.

Chemistry and Biochemistry research scientist Christine Kranz presents "Introduction to Focused Ion Beam Technology and Its Application," part of Nano@Tech, at noon in rooms 102A and B in the MRC. RSVP to katie.hutchison@mirc.gatech.edu.

Jan. 28

Texas Instruments Fellow Charvaka Duvvury will present "Electrostatic Protection for Semiconductor Electronics," from 2 to 3 p.m., in room 1116E of Klaus. The seminar is part of the Microsystems Packaging Research Center Distinguished Lecture Series. For more information, visit www.ece.gatech.edu.

Faculty/Staff Development

Ongoing

The Office of Organizational Development offers a Web-based tutorial on the basics of using a state purchasing card (p-card). To register, visit www.trainsweb.gatech.edu.

Diversity Programs seeks faculty/staff and student nominations for the 2008 Don Bratcher Human Relations Award, established by the Office of the President to recognize members of the Tech community who exemplify superior human relations work. The deadline for nominees is Jan. 15. Nominations should be sent to Stephanie Ray (sray@gatech.edu). For more information, visit www.diversity.gatech.edu.

Techmasters—Tech's chapter of Toastmasters

International—meets every Thursday at 7:30 a.m. in room 102 of the MRC. For more information, visit www.techmasters.gatech.edu.

Georgia Tech Faculty Women's Club offers scholarships for undergraduate students who are children of faculty members. Scholarship amounts range from \$500 to \$1,500. Applications are due by March 1. For more information, visit www.gtfwc.gatech.edu.

The Office of Organizational Development is offering the Emergency Preparedness Certificate, which consists of several smaller courses, including "Fire Safety," "Facilities Hazard Training," and "Basic First Aid/Adult CPR/AED." For more information on scheduling, visit www.orgdev.gatech.edu.

Jan. 17

The Center for the Enhancement of Teaching and Learning presents "Orientation to Teaching at Georgia Tech," a workshop for temporary and part-time faculty, from 4:30 to 7:30 p.m. in the Wilby Room at the Library and Information Center. For more information, visit www.cetl.gatech.edu.

Jan. 17

The Center for the Enhancement of Teaching and Learning presents "Dealing with Misconduct in the College Classroom," from 11 a.m. to 1 p.m. in the Wilby Room of the Library. For more information, visit www.cetl.gatech.edu.

Jan. 27-28

The Georgia Tech Retreat Exploring Effective Teaching (GTREET) 2008 will start at 3 p.m. at Callaway Gardens. This year's topic, "Perspectives on Learning, Teaching and the Brain," will be presented by Dartmouth College Professor G. Christian Jernstedt. The retreat is primarily for new faculty in their first three years of teaching at the Institute. For more information, visit www.cetl.gatech.edu.

Miscellaneous

Jan. 22

Sam Nunn School of International Affairs and College of Computing Professor Seymour Goodman will sign copies of his book, "Toward a Safer and More Secure Cyberspace," from 5:30 to 6:30 p.m. at the Georgia Tech Bookstore. For more information, visit <http://gatech.bncollege.com>.

C L A S S I F I E D S

AUTOMOBILES

1957 Chevy 210. Great project car: Original 283 V-8 engine with powerpack. Edelbrock intake manifold. Holley 4-barrel carb (needs rebuild). \$12,500. Call Ira at 770-598-2911 or visit www.irabragg.com/57.

2006 Chevy HHR. Silver, ex. condition. \$14,495. Also, 1963 Chevy II. Ex. condition, 30,000 orig. miles, orig. paint. \$4,000. Call Jan at 404-373-7170.

1971 Mercedes 250, 4-dr, cream sedan. Mint cond., orig. papers, AC, 60K in 30 years. \$8,000. E-mail wendy@bme.gatech.edu or call 404-233-0891, 404-680-1344.

1970 Citroen ID19, dk green. 27-yr. owner; ex. cond. w/ new interior. \$8,000. E-mail wendy@bme.gatech.edu or call 404-233-0891, 404-680-1344.

1988 Jeep Grand Wagoneer, white. Great shape, new engine, interior & carpet, AC/CD runs great. \$8,000. E-mail wendy@bme.gatech.edu or call 404-233-0891, 404-680-1344

1994 Mazda MX 6, 5-spd. Good cond. \$2,800. Call 770-899-3632.

REAL ESTATE/ROOMMATES

Roommate needed: 3BR/2BA in Douglasville, near I-20. Master BR with private BA for \$550 (utilities w/cable incl.); \$500 deposit. Access to kitchen, living room, laundry. Deck with pool. Non-smoking and drug-free environment. E-mail s7ward2004@yahoo.com or call 678-446-9546, 404-428-1462.

For rent: 2 furn. BR, 1 BA in shared 4 BR townhome. 1 mile from Emory. Basic cable and wireless Internet included.

\$550 per room/per month plus utilities. E-mail crtriplett@comcast.net or call 404-329-0390.

1-room efficiency basement apt. in Garden Hills. "Kitchen" corner, renovated BR, private entrance, utilities, wireless Internet included. Furnished. No smoking, no pets. \$480/month. Between Lindbergh MARTA station & Peachtree Rd. Call Lillian at 404-266-1963.

1BR penthouse condo in Plaza Midtown. Hardwoods, granite countertops, stainless steel appliances. Pool, club house, fitness room, 24-hour concierge, Publix nearby. MARTA station 1 block away. E-mail millionbac@yahoo.com or call 678-464-5638.

FURNITURE/APPLIANCES

Broyhill solid pine entertain-

ment center, \$150; 1 crib, ex. condition, \$75; 2 POS systems, \$200 each; Mitsubishi 61-in. HDTV, \$700. Pix avail. E-mail cathy.valero@ae.gatech.edu.

Rolltop comp desk (dark oak finish) w/chair, \$550. Rubbermaid comp desk w/ side table, \$65. 48" round table w/ 4 captains chairs and 10" leaf, \$55. Custom maroon & green wool rug w/pad, 10' x 10', \$65. Pix avail. Call 894-4593 or e-mail shead@gatech.edu.

MISCELLANEOUS

Seeking good seats (2 to 4 tickets) for Ricky Skaggs concert March 29. E-mail phil.sparling@gatech.edu.

Moving sale: Westinghouse washer and dryer, \$125 each. Pacemaster Pro Elite treadmill (\$1,750 new) \$800.

Patio plants in nice pots, \$50-75 each (would cost \$150-200 at a nursery). Indoor plants \$15-40. Pics available. Ann Dibble at ann.dibble@dev.gatech.edu, or call 894-4679.

Gwinnett Gladiator tickets. Game-a-month plan. Jan., Feb., March & April. 2 tickets next to each other, Section 309. Great seats, w/ first choice for playoffs. Also coupons for area restaurants. \$45. Call 678-209-7095.

Tiny toy poodle puppies for sale. 1 female and 1 male, both black. AKC-registered with first shots. Call Lisa, 770-898-3483.

Submissions appear in the order in which they are received. E-mail ads to editor@icpa.gatech.edu.