



\$9.5 million HRB renovation completed

By Vijai Narayanan
News Editor

Following a year-long renovation process, the Hinman Research Building (HRB) reopened its doors for the first time this semester to faculty and students. Designed originally in 1939 by P.M. Hefferman, the architect and future director of the School of Architecture (1956-1978), the building served as the first freestanding research facility on campus. Located near the library, the facility will house over 200 faculty and graduate students engaged in a multitude of research activities.

As a result of the project, the College of Architecture (CoA) added a total of 14,500 sq. ft. of studio and instructional space, and over 6000 sq. ft. of research space. The renovation was prompted by the expansion of enrollment and research activity within the CoA over the past decade. The overall cost of the project was approximately \$9.5 million, with the majority of the funds provided by the state.

The main hall of the building was recreated with the goal of making the space more flexible, where groups can engage in a variety of projects of different sizes and scales.

Among the new features of the building is a 3000 square foot mezzanine, suspended by a crane used historically to lift large structures into the research facility.

In addition to the mezzanine, a spiral staircase enclosed in a cable mesh connects the floor to offices on the sides of the hall. Other features of the building now include a 40-foot guillotine door which, when

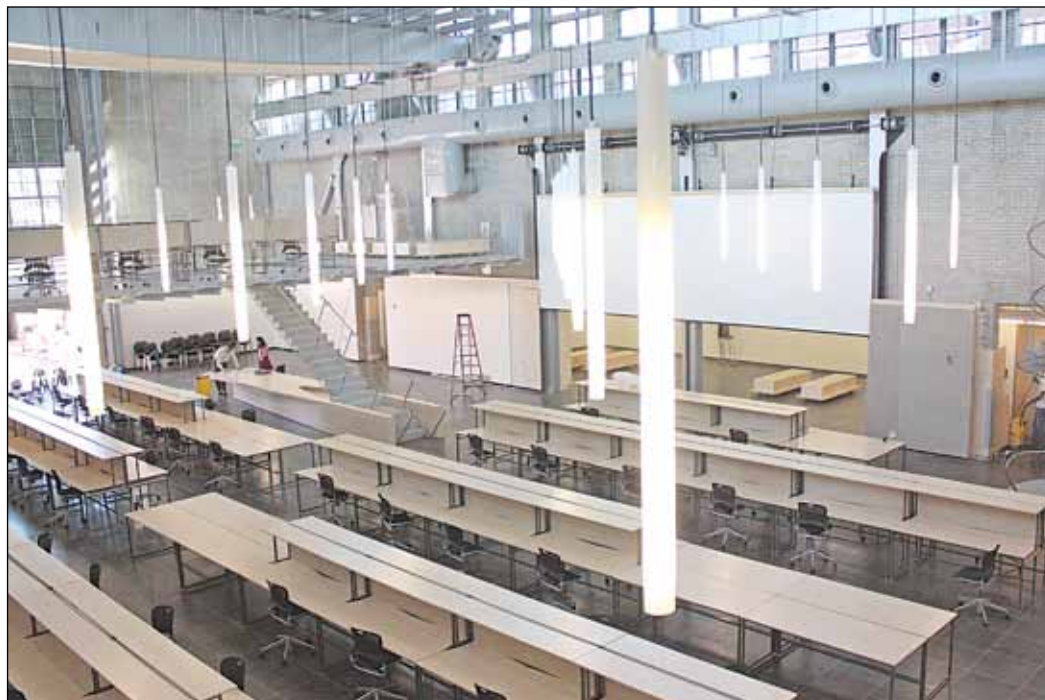


Photo by Virginia Lin / Student Publications

The newly renovated Hinman Research Building features, among other things, a large mezzanine held up by an old crane and a spiral staircase covered with a steel cable mesh.

opened, reveals a large gallery where students can showcase and critique each others' work. The hall also contains pendant lights which can be retracted to allow large film screenings and other activities.

"I see this building as a theater not only for the imagination of the School or the College, but I like to think of it as a theater of the imagination of the Institute... I would like to see us having joint projects in here with engineers, architects and industrial designers creating together projects that we can all share," said Dr. Alan Balfour, the Dean of the CoA.

The building will serve as a research facility within the CoA, advancing technology for the design and construction of buildings. In pursuit of this



Photo courtesy of College of Architecture

Prior to the renovation the space was used by GTRI and other campus departments as space for many research projects.

goal, the new Digital Building Laboratory (DBL) will also be located within the building. Comprised of students, faculty

and corporations, the DBL will be dedicated to moving for-

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Construction progresses without delay

By Vijai Narayanan
News Editor

Following a period of inclement winter weather last week, crews resumed work on a number of projects designed to transform the center of campus by the end of the year. In addition to ongoing construction on the Clough Undergraduate Learning Commons (CULC), several projects were initiated over winter break, such as the construction of a Stinger turnaround behind the Student Center, and work on the Campanile fountain to connect it to an underground cistern. Despite the setback, work will be completed on all of the projects without delay.

"Last week's winter storm caused the construction site to close for several days. The effects of the weather continue to impact the landscape work since the construction site is muddy. However, the team will work extended hours to make up time in an effort to maintain the schedule," said John Duconge, Georgia Tech Facilities Senior Project Manager.

As a result of these projects, traffic has been rerouted through the area, causing inconvenience for some. For example, due to the closure of Skiles Walkway, a detour has been constructed behind the Skiles building known as Skiles Allee. Also, the construction zone for the CULC building has been expanded to

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C2IU drives educational technologies

By Emily Cardin
Assistant News Editor

On Dec. 17, 2010, the Institute announced the creation of the Center for 21st Century Universities, a new initiative that will be the testing ground for revolutionary educational ideas and concepts.

The Center for 21st Century Universities, or "C2IU," will be directed by the former Dean of the College of Computing, Richard DeMillo. He believes that Tech is the best location for an institution such as the center.

"The response has been tremendous. Georgia Tech professors are ready for this," DeMillo said. "We recognize that to remain a top technological university in the 21st century we might have to reimagine what it means to be a university. It's the kind of out-of-the-box thinking that got Georgia Tech to this point as a top research university. Imagine what will be possible if even a fraction of that research talent is devoted to higher education itself."

The center will emphasize the role of disruptive technologies, or innovations

See **C2IU**, page 4

snow bound



* Students enjoyed three free days when a snow storm hit Atlanta late Sunday, January 9. Classes were cancelled Monday through Wednesday due to the inclement weather and poor driving conditions.



Photos by John Nakano / Student Publication

TECHNIQUE

The South's Liveliest College Newspaper

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OFFICE:

353 Ferst Dr., Room 137
Atlanta, GA 30332-0290
Telephone: (404) 894-2830
Fax: (404) 894-1650

EDITOR-IN-CHIEF:

Hahnming Lee
editor@nique.net
Telephone: (404) 894-2831

NEWS EDITOR: Vijai Narayanan / news@nique.net

OPINIONS EDITOR: Matt Hoffman / opinions@nique.net

FOCUS EDITOR: Kamna Bohra / focus@nique.net

ENTERTAINMENT EDITOR: Patricia Uceda / entertainment@nique.net

SPORTS EDITOR: Alex Mitchell / sports@nique.net

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From the files of the GTPD... Campus Crime

By Emily Cardin
Assistant News Editor

Cellular sex offender

A GTPD officer was dispatched after receiving notification of a suspicious person near the Molecular Science Building. The victim reported that the individual was acting strangely and threw his cell phone away before exiting the building. The subject was identified and spoke with GTPD. The subject had another cell phone in his possession. It was concluded that this cell phone belonged to a female Tech graduate who had met with the subject earlier in the day. She reported that the subject had stolen her cell phone and refused to return it

until she performed sexual favors upon him. She stated that the suspect was bipolar and was probably not taking his medication. The female victim's cell phone was returned to her possession, and the subject was warned to stay away from campus.

Library libations

A female student reported indecent exposure at the Library to GTPD. The female victim reported that while at the Library, a man had exposed himself to her. The victim reported that she had seen the man at the library on several occasions since then and had

taken a picture of him with her cell phone.

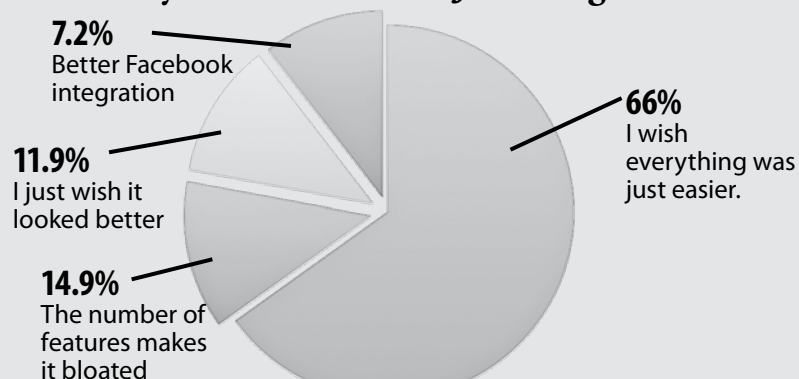
She showed the picture to security personnel at the library, who identified the man as a former employee of the library who visited frequently. The victim also emailed the picture to GTPD.

Suspicious G.I.

A GTPD officer responded to a suspicious person call from the Student Success Center. The suspect said that he was seeking enrollment into Tech and had spoken previously with administration personnel. After a discussion with the subject, it was determined that the subject had been in the military and was seeking information on using his G.I. Bill to attend Tech. After witnessing the suspect contact personnel and exit the building, the officer determined that the suspect had a legitimate reason to be on campus.

POLL OF THE WEEK

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Council Clippings

This week in Student Government

By Mike Donohue, SGA Editor

Each week, this section includes coverage of different aspects of Student Government, including the Undergraduate House of Representatives, Graduate Student Senate and the Executive Branch of both governments.

Class presidents

The Undergraduate House of Representatives amended its by-laws with a vote of 44-2-2 during its Tuesday meeting to give more responsibilities to the four class presidents, who are the following members: Jacob Tzegaegbe (Senior Rep.), Alex Walker (Junior Rep.), Hunter Hammond (Sophomore Rep.) and McKenzie Delaney (Freshman Rep.). The class presidents are those who received the most electoral votes in the last election.

Currently, the presidents' only responsibility beyond those of a normal representative are to attend SGA advisory meetings each week when they talk with other campus leaders about pressing issues. The new responsibilities would require them to deliver a monthly report to the House, describing the efforts the president and the other representatives of their respective classes have taken to contact constituents.

Hammond supported the bill. "I am very excited about this resolution," Hammond said.

Not all representatives felt that this amendment was a positive step.

"You can't regulate yourself out of inherent issues," said MGT Representative Mathias Rost.

Internal Development Chair and Junior Representative Mike

Mosgrove authored the bill and felt that it would help.

"I consider [this] a productive step to increased communication with constituents. The bill is meant to begin streamlining communications in an organized manner," Mosgrove said.

JacketPages revision

A revision of JacketPages over the winter break has caused discontent among Undergraduate Representatives and Graduate Senators. Along with user interface and social changes, the new version changed several aspects of the bill submission system.

"The JacketPages change on the finance side caught us all by surprise," said Anthony Baldrige, Graduate Student Body President. "With the new system, it is difficult to use JacketPages in the capacity that we are accustomed such as searching bills by stages and searching bills at all for that matter."

Undergraduate Executive Vice President Brenda Morales asked for patience from organizations.

"We ask for everybody's patience as we continue to familiarize ourselves with the limitations and opportunities presented by the new system, attempt to resolve any issues that arise and make adjustments to better serve student organizations," Morales said.

Ervin shares plans for diversity

By Mike Donohue
SGA Editor

On Saturday, Jan. 1, Dr. Archie Ervin began his tenure as Tech's first Vice President of Institute Diversity. A member of Institute President G. P. "Bud" Peterson's cabinet, Ervin will take the lead in coordinating the diversity initiatives across campus.

Ervin was selected during a nationwide search that included several rounds.

"We wanted to make sure that we had strong leadership in diversity and that diverse perspectives were represented at every level," Peterson said.

Ervin's most recent role, as Associate Provost and Chief Diversity Officer of the University of North Carolina at Chapel Hill, had him leading efforts to develop search strategies for faculty, working on management strategies to increase the accessibility of UNC to under-represented minorities, and managing diversity programs across UNC's 13 schools. He served in that post for five years, starting in 2005.

"[Diversity is] the opportunity to promote a broader view of academic excellence in the academy," Ervin said when asked of his view on diversity.

At Tech he wants to expand the role of women at the Institute and increase access to Tech for lower income populations.

"I have already discovered that there is a wealth of opportunity here. I think we can better position the university if we can find ways to make and develop some

benefits from the synergy of people, at least operating from a high level vision from what we're trying to do," Ervin said.

Several campus leaders expressed support for Ervin's new job, but each expressed a slightly different hope for what they would like for him to accomplish at Tech.

"I do hope that Ervin's efforts are focused not only on attaining certain benchmarks in the STEM areas, but also in developing a diversity of thought throughout our campus," said Corey Boone, Undergraduate Student Body President.

"I hope he concentrates on retention and the strengthening of programs and organizations that already exist on campus," said Anthony Baldrige, Graduate Student Body President.

When asked about what he hopes to do first, Ervin said he planned to take these first few weeks to get a sense of the Institute's culture. Once acclimated, he plans on beginning work on a diversity inventory.

"I come from world where data drives decision making. And rather than go on what one's intuition is and what people tell me, I do think there is a need for us to be able to determine and discover what kinds of things are here in terms of the way people establish the Tech campus," he said.

Using an Aerospace Engineering program audited by NASA as an example, Ervin said he could use already existing resources to evaluate the state of diversity at Tech.

Ervin also plans on interacting with students as he carries out his initiatives. He has already met with many of the deans and cultural groups. Ervin expressed particular interest in working with the Greek community.

"I see a lot of leadership potential in that community at Tech," Ervin said.

He has already begun by creating a student advisory board. Both Student Body Presidents have shown enthusiasm for the idea and will be providing representatives.

"Dr. Ervin's plans to establish an advisory board is key to ensuring that the students are active participants in building a more inclusive community, and I believe that the students appointed to the board will do a fine job," Boone said.

"The establishment of an advisory board will do great things to generate ideas of how to tackle diversity on campus and Grad SGA will be happy to send representatives...." Baldrige said.

Ervin noted that the establishment of a Vice President for Institute Diversity is an indication that diversity is a large part of Peterson's agenda.

"[Peterson is committed to proving support to this initiative] to actually try to make Georgia Tech more nationally visible," Ervin said, "and [to make Tech] more prominent in terms of the intellectual capabilities that are brought to bear in the faculty, in the students who are brought here, and the staff who support their obligation to the university."



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that improve a product or service in ways that the market does not expect, and the educational opportunities for students.

Based out of the College of Computing, the center represents a diverse coalition of faculty members, including those from the colleges of Public Policy, Interactive Computing, Industrial and Systems Engineering and Management.

The center's first plan is to develop a seed grant program that will identify and provide grants and funds for promising early proposals.

Some sample projects the center will be pursuing include social networks for expanding the reach and effectiveness of student-faculty interactions, open blogging platforms for facilitating student interactions, and artificial intelligence for augmenting human advising.

DeMillo emphasizes the active role that students will play in determining and participating in the future of this initiative.

"I expect that students will have an involvement from day one," said DeMillo. "The only way to conduct experiments with concepts like [redesigning courses and curriculum] is to actually create learning communities and environments. That means students will be involved. We will invent ways to answer [the students'] question. In the process, some Tech students will get to 'live in the future' because they will be part of the research teams."



Photo by Sho Kitamura / Student Publications

In addition to construction at the campanile, the CULC construction zone was expanded to accomodate a new cistern.

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accommodate the installation of a cistern under Tech Green.

"They really did a great job on the area behind Skiles so that it's nice and wide and much more pleasant than it used to be. I think it'll get a lot better when they get done with the Campanile and that whole space is opened up," said Dr. Catherine Murray-Rust, the Dean of Libraries.

The library will take over management of the CULC after its opening, working to integrate services and programming throughout the two buildings. Two floors of the CULC will be connected to the library, allowing students to move freely between the two structures. The library will be responsible for providing security services and the management of

common spaces in the library.

In addition to managing the physical building space, the library will continue to work with partners like OIT, Success Programs and other stakeholders to provide shared services. Originally, the Provost's Office was slated to manage the CULC, but the decision was made last fall following some discussion to turn over that responsibility to the library.

"It makes sense to take these people who know what they're doing in all of those areas, give them more responsibility, hire more junior people and have more people generally concerned about how to run that building well," Murray-Rust said.

The construction of the CULC will be completed in June 2011, when it will be turned over to Facilities for furnishing.

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ward modeling and visualization technology in the field of construction.

"Working with drawings produced by drafting software is really an obsolete notion in almost all other industries, and the idea of the DBL is to take advantage of the current conditions in the construction industry, which is finally undergoing the revolution of modeling," said Chuck Eastman, Director of the DBL.

The HRB was the first major setting for publicly funded research in the South. The building served initially as a research facility of the Georgia Engineering Experiments Station, which was renamed the Georgia Tech Research Institute (GTRI) in 1948.

The research conducted at that

time was instrumental to the advancement of helicopter and microwave technology. In fact, the crane used to suspend the mezzanine in the building today was used to lift helicopter systems in and out of the building.

Following its original construction in 1939, the building has undergone a series of additions over the years.

The project was a result of collaboration between many different entities, including architectural firm Lord, Aeck & Sargent, Office dA, the Beck Group and Nader Tehrani, a professor in the CoA.

The building was treated as a historical preservation project and had to meet additional guidelines in order for changes to be approved. The renovated building is LEED Gold certifiable.



Photo by Virginia Lin / Student Publications

A 40-foot guillotine door opens to reveal a hidden gallery that students can use to showcase their work to various audiences.

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Robert McGrath named GTRI director

By Maddie Cook
Staff Writer

Dr. Robert McGrath will begin his position as Vice President and Director of Georgia Tech Research Institute (GTRI) on Feb. 1. Most recently, McGrath served as a consultant on National Laboratory/University Partnerships, STEM Education and Race to the Top initiatives for Battelle Memorial Institute in Columbus, Ohio.

"Tech and GTRI both enjoy tremendously strong national and international reputations. When I was contacted about the opportunity at GTRI, I was immediately very enthusiastic," McGrath said.

McGrath's past work experience includes philanthropic work at the Battelle Memorial Institute, positions at Pennsylvania State University and Ohio State University, work within the Department of Energy and extensive research on magnetism. McGrath has a wide range of experience through his interdisciplinary research and work in many different fields.

"As a younger faculty member and scientist, I enjoyed many productive years of research working on magnetic fusion energy and microelectronics manufacturing," McGrath said. "I've migrated to supporting the much broader research agendas of major universities and national laboratories, and have found great satisfaction in helping to provide the unique laboratories, equipment and in-



Photo courtesy of Communications & Marketing

McGrath was named the director of GTRI last month. He was recently involved in philanthropy at Battelle Memorial Institute.

frastructure that enable the success of hundreds and hundreds of researchers in a variety of disciplines."

Kirk Englehardt, director of GTRI Communications, believes that McGrath's personal passions align with those of GTRI.

"McGrath has a positive commitment to forming strong bonds," Englehardt said.

Since May 1, 2010, interim director Tom McDermott has filled the position that McGrath is now beginning. Stephen Cross, who was promoted to Executive Vice

President of Research, held this position prior to McDermott's interim period. During the past nine months, McDermott has worked and developed new projects such as the new lab that focuses on cyber-security started in Oct., a joint project with the College of Computing. Another project GTRI has begun to work with is its participation with the FutureMedia Fest, which Tech hosted this past Oct.. GTRI has been growing steadily as it has hired about 300 people over the last three years.

As McDermott makes his transition back to his original job as Deputy Director of GTRI, he believes that a steady, rather than rapid, growth in GTRI would be beneficial. Similarly, McDermott agrees that GTRI should strengthen faculty bonds.

"We should increase and improve relationships with the academic faculty. We pursue joint research and should continue to do so," McDermott said. "GTRI definitely aims to build stronger relationships among Tech's academic faculty and students."

Currently, 325 Tech students are on GTRI payroll, while other Tech academic faculties are looking to participate in joint research projects with GTRI. Students in majors ranging from ME to PUBP have had the opportunity to work with GTRI in computer programming, mechanical design and policy analysis.

NEWS BRIEFS

Susan Herbst named UConn president

Following a six-month search, The University of Connecticut Board of Trustees voted to appoint Susan Herbst as The University of Connecticut's 15th president.

There were more than 100 applications for the position. Herbst was one of three finalists considered by the 40-member search committee and the Board of Trustees. Herbst is currently the Executive Vice Chancellor and Chief Academic Officer for the University System of Georgia (USG), overseeing all academic programs for the state's 35 public colleges and universities.

Provost announces committee for X-College initiative

Earlier this month, Provost Rafael L. Bras announced the creation of a committee that will review options and formulate strategies for the creation of an X-College.

X-College is considering whether to allow students — with strong faculty guidance — to compose programs of study that focus on particular "grand challenges" facing society, using knowledge from a wide range of relevant fields and emphasizing interdisciplinary learning while maintaining the academic rigor expected at Tech.

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OUR VIEWS CONSENSUS OPINION

HOPE not hopeless

Scholarship program needs massive overhaul to last

The HOPE Scholarship program faces what seem to be insurmountable problems in its immediate future. A victim of the poor economy, the rising cost of education and a rapidly growing state, the scholarship program that many Tech students have come to know will most likely become a shell of its former self. Massive cuts are needed to sustain the program in any meaningful way. Aid for students attending private or for-profit colleges should be cut immediately. HOPE needs to be clearly focused on accomplishing its most fundamental goal of aiding in-state students to attend in-state schools.

Increasing the requirements to initially obtain the scholarship also needs to be considered. Grade inflation has been rampant in secondary education, resulting in more students who qualify. Often times this increase is a result of the GPA requirements for HOPE. Incorporating a national standard such as the SAT or the

ACT into a formula to determine HOPE eligibility could help ensure that people who receive it will be more likely to fulfill the requirements to keep the scholarship in their higher education. Still, the standard to keep HOPE once it has been obtained should not be raised. This would unfairly target students who attend universities with more rigorous grading standards and push students from those schools more than it already may do.

Considering the important role HOPE plays in the State of Georgia, no options should be taken off the table. Alternative sources of tax revenue should be considered, including lifting restrictions on some commodities so that a large tax pool can be developed for the program. HOPE has also been one of the few checks on the rising cost of higher education in Georgia. If HOPE is lost and the state does have to try balance the scholarship budget against tuition, there could be even more drastic increases for students.

The Consensus Opinion reflects the majority opinion of the Editorial Board of the Technique, but not necessarily the opinions of individual editors.

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EDITORIAL CARTOON BY VIVIAN FAN



Science should rule in medicine decisions

By Yaroslav Mikhaylov
Massachusetts Daily Collegian

Amherst, Mass.—When Al Gore dubbed his climate change documentary *An Inconvenient Truth*, he perfectly captured how science is viewed by those who would build popularity or a fortune through the use of public ignorance.

This past month, science and medicine have colluded to inconvenience the “Playboy” model-turned-parenting expert Jenny McCarthy and Andrew Wakefield—formerly a doctor. Wakefield became famous in 1998 for publishing a study linking the mumps, measles and rubella vaccination, commonly known as MMR, with instances of autism in children.

The study received much media attention, despite a heavy opposition to its methodology or the conclusiveness of its findings from the British medical community. As a result, vaccination rates across Britain and the United States significantly decreased.

However, over the next couple of years allegations of data manipulation and conflicts of interest arose surrounding the study’s findings, and these discoveries eventually prompted several of the study’s co-authors to distance themselves from their findings or even speak out against the study.

In 2010, the General Medical Council tribunal found Wakefield guilty of manipulating data and acting against the best interests of his patients, stripping him of the right to practice medicine in Great Britain indefinitely. Finally, on Jan. 11, 2011, the *British Medical Journal* published a series of articles exposing the 1998 study as a fraudulent operation designed to win massive settlements from vaccine manufacturers and the British government.

According to the *BMJ* articles, Wakefield was working with a law firm in order to manufacture evidence that vaccines were harmful and secure a settlement which would include sizeable attorneys’ fees for the firm, part of which would then go to Wakefield.

Also, Richard Barr—the attorney in charge of preparing the case—searched for autistic children that fulfilled Wakefield’s requirements and were likely persuaded into joining the study through promise of seeing the settlement money involved. Because Wakefield had access to patients pre-selected to suit his conclusion, his “study” could do nothing but support the case that Barr was building. The revelation that the research was financially motivated eventually led to the *BMJ*’s exposé that put the final nail in the coffin of the 1998 study.

Jenny McCarthy, a former “Playboy” model, became one of Wakefield’s strongest supporters in the U.S. after her son was diagnosed with autism in 2005. Through several books and an appearance on the *Oprah Winfrey Show*, she became the American

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spokesperson for Wakefield’s fraudulent theory. After he was banned from practicing medicine in Britain, Wakefield moved to the U.S. and continued to advise McCarthy, who continued to defend his theories.

Immediately following the *British Medical Journal* report, McCarthy wrote a *Huffington Post* editorial denouncing the article and attacking the investigative reporter who uncovered the story, Brian Deer. In it, she defends Wakefield because he “listened to parents and reported what they said.”

McCarthy goes on to decry the opposition of the medical community to Wakefield’s fraudulent and self-serving “research” as a “media circus.” Her rebuttal featured no discussion of the science involved except an out-of-context snippet from the 1998 paper and quotations from two of the parents involved in the study—both clients of the law firm that was paying Wakefield a retainer of £150 per hour and helped him defraud a government fund set up to defray the legal costs of low-income Britons to the tune of £50,000 or more.

Wakefield is indirectly responsible for killing at least two children—the first fatalities from measles in the U.K. since 1992—through his campaign against vaccines. It is unknown how many more suffered from inadequate vaccination due to his personal get-rich-quick scheme.

McCarthy, however, isn’t even trading children’s lives for money. She has built her own celebrity around her crusade against vaccines, and to back down and concede defeat now would be to sink back into the obscurity of a former adult star.

The responsibility of the news media is to provide accurate information to the public. Why do they then give such a high profile to a proponent of a fringe belief that preys on fears of parents in order to promote her own fame?

It is nothing short of a failure of the media that it allows such “medicine by public opinion” to take place. Scientists have boring papers and figures. McCarthy has the testimonies of concerned parents and pictures of sad children. As mentioned above, she has no

Ethanol adoption riddled with caveats

Billions of dollars disappeared in the dark expanse of BP's recent oil spill; gas prices continue to fluctuate due to political unrest in the Middle East; environmentalists continue to point to the emissions from gasoline use as the cause of the global warming phenomenon. As hundreds of issues have come to light in the past decade, both citizens and policymakers have begun to re-evaluate the extent of our dependence on petroleum and other fossil fuels.

Proposed solutions have mostly focused on alternative energy sources, such as solar energy, hydroelectric power and, perhaps most well-known to the common man, ethanol. Created from corn, wheat and grains and already implemented in many gas stations across the U.S., ethanol looks to be a promising solution to our financial, political and environmental stresses. While I agree that ethanol is one of many possible fixes to the energy problem, it is important to recognize that ethanol alone can exacerbate some of the issues caused by petroleum use.

One major problem in the production of ethanol is the dichotomy of the needs and resources in both developed and developing countries. Developed countries have a high need for alternative energy resources because they generally have large industrial sectors, but these same countries do not necessarily have large ag-



"Global industries should be careful in the production, implementation and consumption of ethanol."

Kamna Bohra
Focus Editor

ricultural economies. On the flip side, developing countries depend on their agricultural sectors for their livelihoods, but these countries do not have a large need for energy.

To produce ethanol on a large scale, these countries would have to collaborate heavily with one another. While global cooperation is important in today's economy, energy availability is far too crucial to a developed country's daily processes and will be of chief importance in the case of an international political conflict. On the same note, the amount of money a developing country could receive in exchange for its agricultural products is similarly imperative to the country's mere survival. Even in using fossil fuels, citizens of the U.S. presently face somewhat unpredictable hikes in gas prices due to unrest in the Middle East, the countries of which account for a large portion of OPEC.

Additionally, harkening back to the years past of Europe's imperialism in Africa for its rare resources, private companies' entering small,

developing countries and exploiting and depleting their resources is a very real possibility. In future years moving forward with ethanol as a major energy source, countries that are either major consumers or producers should develop international laws to control the exchange of ethanol.

As of now, U.S. gas stations that choose to use biofuels sell fuel that is 10 percent ethanol. This means that for the same volume of gas, there must be production of both gasoline and ethanol, which becomes very expensive very quickly. The key financial aspect here is that in the case of an expanded ethanol industry, the agricultural sector would become tied up in both food and fuel production. With an increased demand for products that were previously household-only, such as corn and wheat, the prices of food would increase very quickly, driving up household expenses for products as simple as bread.

On another financial note, implementation of ethanol as an energy source equal to fossil fuels would require the

retrofitting of technologies in industries that consume large amounts of energy. The cost of this retrofitting and establishing gas stations that sell pure ethanol is too high for any company to want to invest in these economic times.

While it is true that ethanol production requires fossil fuels, the amount of fossil fuels that go into this process has been cut in half as research progresses. Still, the fact remains that biofuel production uses some amount of fossil fuels, indicating that ethanol might not be as self-sustaining as a long-term resource. Additionally, the production and use of ethanol depends heavily on the climate and environment, neither of which has been particularly predictable in recent years. For example, if a geographical location that is a major ethanol producer faces drought, flooding or any other climate-oriented issue, it would no longer be able to provide ethanol, and industries would have to move quickly to garner other energy sources, causing anything from an economic hiccup to a financial crisis.

Global industries should be careful in the production, implementation and consumption of ethanol. Much like with fossil fuels, ethanol alone creates a problem by "putting all our eggs in one basket," and creating multiple venues for a crash in the availability of reliable energy.

College football has off-season work

With the college football season now complete, the countdown to Labor Day begins. Still, there are several challenges the conferences need to address before the kick-off so that they can lay the ground work for more success in future seasons.

With a lockout by the NFL owners looming and the possible shortening or cancellation of the 2011 season, the conferences need to begin to develop a strategy to fill the void that will be left for football on Sunday. The networks are going to need something to help keep the advertising coffers full during this potential lockout, and all the major networks that carry NFL games all have contracts with major college football conferences. CBS, for example, has a very lucrative contract with the SEC to carry the conference's premier weekly matchups. By giving the conferences modest, one-year increases in TV dollars, it can be a win-win situation.

Besides the money aspects, the conferences will have a chance to expand their national reputations with some fans that might not traditionally be die-hard college football fans. NFL loyalists are going to want to watch football on Sundays. For many of them, going to the bar or a friend's house to watch football on Sundays is a weekly tradition. While they might not be able to watch their favorite profes-



"In a revamped BCS system another bowl would need to be added in order to keep the same number...of bids."

Matt Hoffman
Opinions Editor

sional teams, offering them an alternative might further endear college football in the hearts of some who are going through NFL withdrawals. And considering many conferences will be rolling out new members next season, an extra Sunday timeslot would help to further the branding of the recently realigned conferences.

Another potential change that needs to be contemplated is the post-season system currently in place. While the current contract is not set to expire for another three seasons, it is well known that few things take longer to change than the college-football postseason system. Many of the top brass in the college football world agree that a playoff is unlikely in the near future, since college presidents are reluctant to change a system and a sport that generates so much money.

A plausible alternative is the so called "plus-one" option, whereby a last set of polls is released after the bowls and one more game is played between the No. 1 and No. 2. This

would give teams vying for a national title another chance at playing a strong out-of-conference opponent and further strengthen their resumes to be a national title contender before the final game.

In a revamped BCS system, another bowl would need to be added in order to keep the same number of automatic and at-large bids. Presumably the best and most logical option would be the Cotton Bowl, since it has a long and distinguished history. With the BCS National Championship game already being a week or more after New Year's, the logistical issues of scheduling another game have already been conquered and arguments that the expansion would interfere with academics is a meaningless point.

Instead of sticking solely with conference ties with the bowl games, however, a slight tweak should be made so that undefeated teams would face each other in the BCS Bowl games. If there are more than two undefeated teams, the

higher ranked team should 'host' another undefeated in their traditional bowl game. For example, this year, since there were three undefeated teams, Oregon would have hosted TCU in the Rose Bowl with the winner to likely play in the National Championship game. Auburn would have faced Stanford in the Sugar Bowl since Auburn should play a quality opponent to even the playing field.

Granted this system breaks down in the unusual circumstance that there are more than four undefeated teams, but this could be a possible compromise between the current system and a playoff. In years where there are less than two undefeated teams, the standard bowl ties would be honored.

The last and by far the stupidest error that needs to be corrected during the off-season is the names of the Big Ten divisions. The only thing 'Legendary' about the Big Ten this bowl season was its perfectly imperfect record for New Year's Day bowls, which proved how they are not 'Leaders' of anything either. I am a big fan of the 'Rust' and 'Dust' divisions myself but would be open to any other ideas.

With some work this off season, college football could broaden the appeal of the sport and increase the revenue stream to secure its status for years to come.

BUZZ Around Campus

What did you do during the snow days?



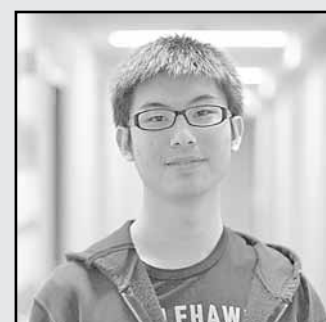
Calvin Govela
Third-year ChBE

"Sleep, sleep and more sleep. I slept a lot."



Simon Turgeon
Third-year ID

"I hung out with friends and played Minecraft."



Tim Lin
First-year MSE

"I hung out with my roommates and other people from the dorm."



Sean Lee
First-year ME

"I read some books."

OUR VIEWS HOT OR NOT

HOT^{or}-NOT**Ballin' B-ball**

The women's basketball team racked up its 13th consecutive victory, a streak which includes kicking off the ACC schedule with four wins. The men's basketball team also had two commanding victories over UNC and Wake Forest. With this sort of success, maybe a few more fans will go and see their Jackets play and root on the team through the ACC schedule.

**Snow much**

While a snow day is nice every once in awhile, three and a half days worth is just inconvenient. Mother nature: please lay off the snow and ice for the rest of the semester. Considering all the emails that Tech spams to students, it does seem slightly odd for the Institute to not send out an email notifying students that classes were cancelled the next day. Maybe next time.

**Newly staffed**

The Institute welcomed its new Vice President for Institute Diversity, Archie Ervin. With his leadership and knowledge, Tech can craft an institute-wide diversity program to help unify all the different current efforts. Robert McGrath will also be joining the Tech as the new Director of GTRI in the coming weeks. He should be a valuable asset to the Institute.

**T-screwed**

T-square has been about as reliable as the Falcons' secondary. If you did not see the game last Saturday night, this is not a compliment. With a whole college dedicated to computing, hopefully we can find a way to make this vital part of campus more reliable for the rest of the semester. Professors are already bad enough about uploading content; they don't need another excuse.

Campus construction for long-term benefit of community

As we return from break this semester refreshed and ready for the new challenges and opportunities ahead of us in 2011, there is one challenge I know all of us would prefer to do without.

No doubt all of you have seen the dramatic increase in construction within the center of the campus. Most of you will, if you haven't already, experience the inconvenience of navigating around safety gates and fencing, and taking alternate routes as you traverse through the heart of campus. While I know that detours are inconvenient for all of us, we are asking for your patience as we push Tech into its next phase of renewal and renovation.

Historically, Tech, like any other world-class research institution, has had to endure the pains of construction during growth. Whether it has been construction before the 1996 Olympics or the creation of Tech Square, Tech has endured the sometimes-painful challenges of construction in order to reap the rewards of new facilities and venues for the campus community's long-term benefit.

Although students, faculty and staff will be the beneficiaries of the current construction, we will all have to be a little more patient the next few months as we make sacrifices that others have made before.

Several projects that are part of our sustainable design initiative, as well as the completion of the Clough Commons, will alter



"Our Facilities office understands the challenges that accompany this type of construction and is working diligently."

G.P. "Bud" Peterson
Institute President

routes through the center of campus.

Tech Green will still be closed along with projects to renovate the Campanile, redesign Skiles Walkway and create a new Transit Hub. Most of these projects are targeted for completion by the fall.

Due to some events beyond our control, the timing of these construction efforts happened simultaneously. We made the decision to continue with each project as planned to minimize the duration of the total construction and its impact on the campus.

In the meantime, it will be necessary to give yourself a little extra time as you make your way across campus. As a result of the extensive construction, pedestrian pathways are reconfigured to allow sufficient detours through the center of campus. As construction progresses through its various phases, there will from time to time be a need to move the construction safety fences, and that too will result in modifications to these alternative pathways. So the route you take today may not be the route you take in the weeks to

come.

One of the main arteries through campus, of course, is Skiles Walkway, the corridor that provides the most direct access between the Library and the Student Center. Because of this, crews have created an alternate path on the opposite side of the Skiles Building, which will tie in with existing sidewalks to provide pedestrian access across campus.

Our Facilities office understands the challenges that accompany this type of construction and is working diligently to make sure that routes are properly lighted and made as user-friendly as possible.

Val and I frequently walk the campus, and we understand the frustrations caused by so much construction in the center of our campus. However, we also know overcoming these challenges for the next few months brings the promise of a better campus for all of us to enjoy. Our patience will pay off.

Thank you all for your understanding and cooperation, and welcome back!

MMR from page 6

intention of debating science or medicine with her opponents. She is merely looking to secure better

publicity than the people who can actually call her out on her self-serving quest.

It is the role of the media and the role of the American people to

recognize that and take steps to make sure that we hear from the real experts, not the people who find experts' opinions inconvenient to their own celebrity.

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M&W, 4:30-6:00 pm

Women's Chorus (all-female)
CRN 29297
T&Th, 6:00-7:30 pm

*registration not required- just show up next week

For more information, contact:
Courtney Brown at cbrown35@gatech.edu

sliver

www.nique.net

shields shields shields shields
clarinet, you're worthless
big boy weights
kevon loves catfood
flockavelli
wakka flocka
i want to practice the right hand rule on you while watching Star Wars
mrow?
front back side to side.
no matter where i sit in howey L1, my seat is wobbly.
true life: my calc teacher is secretly Spiderman
If you don't put this in... stuff will start to go missing in the technique office.
Girls singing Cee Lo Green during the fire drill: you made a very miserable day into a very excellent one.
To guy that hit that other guy in crosswalk with a dodge: ceramic brakes or pay attention
Seriously... Russia and Qatar...can we secede from FIFA yet?
go in loco for them lokos
I can speak enough spanish to drive the ambulance!
brown hall voyeurs: hope you enjoyed the show
Those icecicles have been known to kill people.
Saying I'm better than you at Guitar Hero doesn't make me like you. Expert is easy.
Anybody for a GT minecraft server? I've got one on an EC2 server -[JVC]
oregon has a good football team, auburn has a good cam newton
Supply Chain Engineering? We already have one Imaginary Engineering program. We do not need another.
Linds - I'mma get get get you drunk get you drunk on my lady junk!
Leggings aren't pants, but tights certainly ARE NOT pants
to the guy who works behind the circulation desk: I like you, and I think you like me too, so ask me out...but wait until after finals ;)

Students examine many major choices

Tech students evaluate career paths, skills, interests

By Divya Varahabhatla
Contributing Writer

One of the major decisions a student goes through in their college degree is deciding what to study. From the time of applications to actual attendance at a college or university, students are pressed to figure out what they want to do for the rest of their lives. Students consider several factors before picking a major. Some students choose a field for the opportunities they hope to have while others choose it based on their interests.

For James Rives, a second-year BCHM major, it was research opportunities that had him switching from a chemistry major to a biochemistry major.

"[I] felt the change would give me a stronger knowledge in that field of research," Rives said.

"[Switching from chemistry to biochemistry] wasn't all that major, but I felt I needed to tweak my area of focus to something that was my true interest," Rives said.

When students first arrive at Tech during their respective summer FASET orientations, they are grouped by their majors and immediately meet with their advisors.

Many freshmen enroll in a class based on their major called GT1000 which offers information about majors and opportunities in study abroad and research.

Picking the right major means a lot of different things: accessibility to a good career, happiness and

optimizing skills.

Aly Sheppard, a second-year BCHM major, switched her major twice: biochemistry to biology and back to her original major.

Sheppard originally switched to biology because "it increased [her] chances for medical school."

"My initial major switch was due to the assumption that since I hated my first few chemistry courses, I would dislike all of them," Sheppard said.

Sheppard's conclusion was that while general courses do give insight to how a subject is, she could not conclude that she would dislike all courses for that subject.

Damaris Rodriguez, now a second-year MGT major, was initially an ID major.

"[I] came to the conclusion that it wasn't the right career path for me. I didn't enjoy doing [ID] as 'work,' but it was something I'd like to keep as a hobby. Growing up, all the career tests I took told me [to pursue] Business Management, and I love international business and affairs as well as languages. The switch to management was natural and allows me to do the things I love to do that I was hesitant to do before," Rodriguez said.

In general, Tech students are unlimited in their major choices, and while some switch within their colleges, others move from one to another.

In the case of Harika Gorti, a third-year BIO major, she spoke with advisors and other students.

She switched from BME to biology a few semesters ago because she felt that "it was more focused on the medical career path [she] wanted to pursue."

For Gorti, the major change helped her become closer to attending medical school.

"The most common reason for a change of major is not really understanding what some majors entail before choosing them," said Carrie Shepler, a chemistry professor and advisor in the School of Chemistry.

Many people do not know what Tech has to offer and what these opportunities mean.

"Sometimes [students'] long term goals change, and people find that there is another major that is a better fit for their new goals," Shepler said.

A student should be open to exploring all the opportunities available here at Tech, including research, co-op, internships and study abroad. Participating in these programs can help one decide what they want to do with their education, according to Shepler.

"Many people change majors more than once before finding the right fit. I think that if you aren't happier after a major change, then you should consider another one," Shepler said.

Much of the difficulty lies in realizing when a student needs to change his or her major.

Joey Slater, a second-year CM major who originally began Tech as an AE major, decided to make



Photo illustration by Jennifer Aldoretta / Student Publications

the switch when he found that he was "uninterested by the fundamentals of [engineering]."

Instead, he found that coding was much more interesting, prompting a switch.

Many students indicated that because they pay for their individual educations, they should study something they truly enjoy.

Saroja Malladi, a fifth-year PSYC major, originally came to Tech as a BME, then switched to

IE and is now finishing up her undergrad as a PSYC student.

"Follow your heart. It's your life, no one else's," Malladi said.

In general, while students can approach advisors, Tech graduates, fellow peers and professors for advice about their majors, the final decision is ultimately their own. Students must select a major that matches their career goals, their skill set and, most importantly, their interests and passions.

RoboJackets hosts FIRST kickoff of the year

By Chris Russell
Online Editor

As the Spring semester starts up, it brings with it several second-semester icons. Cold weather, spring rush and New Year's resolution fueled trips to the CRC, all herald the start of the second half of the academic year.

For some long-time math and science fans, though, it brings a wave of nostalgia about a very peculiar topic: robots.

For many students, the start of the spring semester means the start of the FIRST Robotics season, and this spring is no exception.

FIRST—which stands for "For Inspiration and Recognition of Science and Technology"—is an organization dedicated to encouraging students to get involved in science and engineering.

The vision is, "to transform our culture by creating a world where science and technology are celebrated and where young people dream of becoming science and technology leaders," according to the website.

One of their largest outreach programs is the FIRST Robotics Competition (FRC), an interna-

tional competition at which high school students build robots that try to complete a specific challenge, then pit their robots against those of other teams.

On Saturday, Jan. 8, the RoboJackets hosted the regional kickoff event for the 2011 FRC. Each year, this event both celebrates the start of the FIRST season and helps teams prepare for the challenges they will be trying to solve during the actual competition.

"The goal of the kickoff event was to help the high school robotics teams have an easy transition into the FIRST season," said Janice Parks, events manager for the RoboJackets and a third-year ISyE major.

In addition to the official purpose, the event also served as an introduction for high school students to the world of FIRST.

Throughout the event, there are several workshops aimed at teaching students how to actually work with the machines, in addition to teaching general strategies for how to succeed in the competition.

According to Parks, approximately 500 participants were at the kickoff event, with about 35 volunteers.

In addition to the challenge announcement, various workshops on the nitty-gritty details of working with robots were also featured at the event.

The RoboJackets hosted four types of workshops throughout the afternoon. Participants unfamiliar with robotics could learn about the mechanical, electrical, game-playing and programming (done using LabVIEW) aspects of the competition.

"Workshops are vital in creating an easy transition into the start of the FIRST season. One of the RoboJackets' primary goals is to have all teams who attend the workshops to leave with [a] robot that will require only some final assembly," according to the event's page on the RoboJackets site.

Parks said her favorite part of the kickoff was the actual unveiling of this year's challenge, called "Logomotion." Each match consists of three rounds. In the first, robots start out holding an inflated ring and need to somehow place this ring on a peg on its team's wall without any input from human players.

After this autonomous round

See FIRST, page 12

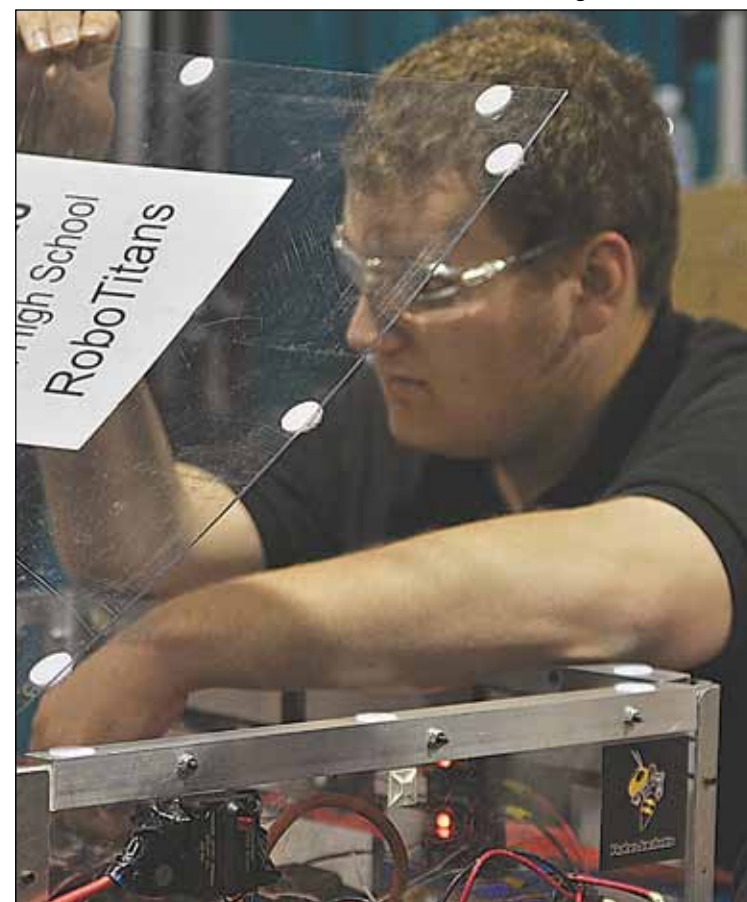


Photo by Doug Kim / Student Publications

RoboJackets participates in the FIRST Robotics competition every year, and the kickoff starting the season prepares students.

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By Jinwoo Sung
Contributing Writer

The application targets the general public. Anyone can reg-

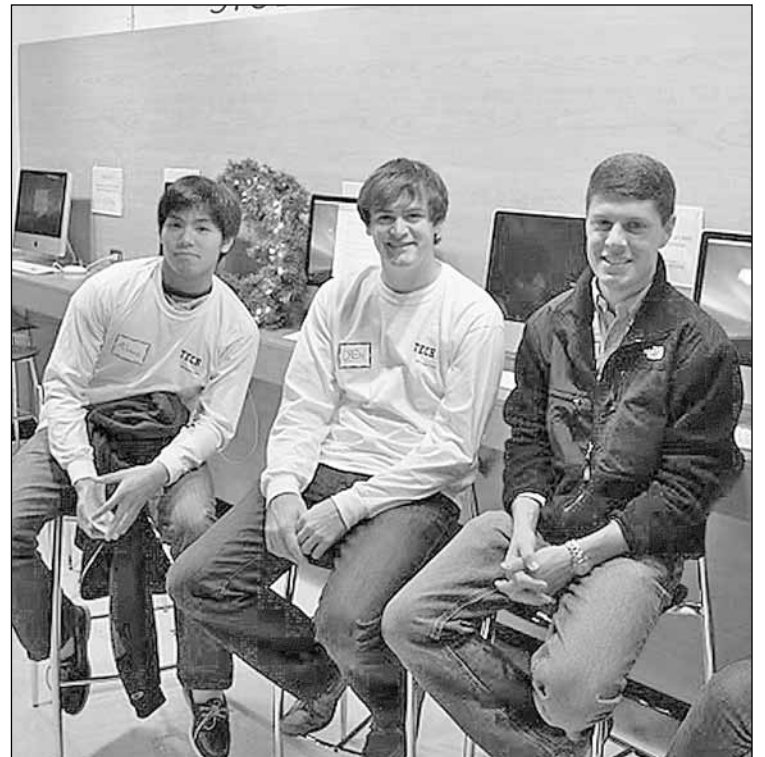
Salud! is a work-in-progress. By using the application, users not only track their everyday wellness, but also assist the team's research. Users' feedback helps the team

A black and white photograph of a man with short dark hair, wearing a striped cardigan over a light-colored t-shirt. He is holding a mobile phone to his ear with his right hand and a tablet computer in his left hand. He is looking towards the left of the frame. In the background, there is a large Sony monitor and some office equipment.

Medynskiy developed the Salud! iPhone application to allow users to track their health from multiple analytical perspectives.

By Kamna Bohra
Focus Editor

For the Tech students, the pur-



“Several [of the foster youths] had behavioral issues, which

"Students were able to show

See **Community**, page 12

TECHNIQUE
 State budget reductions to curb

TECHNIQUE
 Tech continues climb up

TECHNIQUE
 Tech Rec completes renovations

TECHNIQUE
 Architects celebrate centennial

TECHNIQUE
 Budget woes

TECHNIQUE
 Amadei speaks at annual Woodruff Lecture

TECHNIQUE
 Library construction results

2009 U.S. NEWS RANKINGS

Rank	University	Score
1	Harvard University	94
2	Massachusetts Institute of Technology	93
3	Stanford University	92
4	University of California, Berkeley	91
5	University of Michigan	90
6	University of Texas at Austin	89
7	University of Wisconsin-Madison	88
8	University of Illinois at Urbana-Champaign	87
9	University of Pennsylvania	86
10	University of Washington	85

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FIRST from page 9

ends, players take manual control of their robots and attempt to hang inflated squares, triangles, and rings (elements of the FIRST logo) on their wall during the second round. Bonus points are awarded for completed logos, as well as any piece covering rings placed in the autonomous round.

The final round is a mini-robot race. The robots from the first two rounds deploy "mini-bots" on poles in the middle of the arena, and teams receive bonuses based on the order the bots reach the top of the poles.

While teams obviously aim

to win the competition, much of emphasis is placed on the off-the-field aspects of the competition, particularly the idea of "Gracious Professionalism."

As a result, one of the more coveted awards in the competition is the Chairman's Award, which focuses on the non-competition aspects of the event.

"The Chairman's Award was created to keep the central focus of the FIRST Robotics Competition (FRC) on our ultimate goal of transforming the culture in ways that will inspire greater levels of respect and honor for science and technology," as described on the FIRST site.

iPhone from page 11

understand how users approach the system in everyday life and assists the team in adding new features and making changes to further improve the system.

Medynskiy said he is grateful for the positive feedback and attention Salud! has received so far.

Just this semester, he had the privilege to demo Salud! to Institute President G.P. "Bud" Peterson, several members of the University Board of Regents and several representatives from the Georgia government.

Several local and international conferences have accepted papers about the Salud! program and its applications.

This summer, the team will create customized versions of Salud! to target specific two demograph-

ic groups: people working with fitness classes and people at high risk for developing diabetes. After the team evaluates participants' data, they will incorporate the data into the general Salud! application.

The team maintains the Salud! Application Programming Interface (API) as a way of allowing other researchers to leverage their infrastructure.

The biggest client so far has been the Doctor J Says service, which has deployed nutritional advice at kiosks in Tech dining halls over the last few semesters.

Salud! will be used as the official tracking platform for the upcoming GT Biggest Loser competition at CRC.

According to Medynskiy, the developers of Salud!, the team is looking to expand both its mobile and web options.



Photo by Sho Kitamura / Student Publications

The iPhone application is free to all users, and the Salud! designers collect data from these users to further improve the app's quality.

Community from page 11

the foster kids some great parts of being at Tech, and we were all able to learn from the progress Bracken made from his unimaginable childhood to being a Tech graduate and now an author spreading his message around the world," said Brooke McDaniel, SGA Vice President of Communications and a third-year MGT major, who volunteered.

In the planning process, Freshman Council, a freshman leadership organization, raised over 500 dollars, and other funding came from donations from faculty and staff, local companies and the Greek community. This money went toward the production of "swag bags" for the foster youths that included Tech hoodies, water bottles and posters.

Now that the taskforce, which was created this school year, has an idea of the kind of fundraising that is necessary for these types of

events, it plans to conduct similar ones in the future.

For the spring semester, the taskforce plans to conduct a "co-operative park cleanup day" with other colleges around the Atlanta area, but the members are currently looking for student opinion on what community partnerships make sense and are feasible.

"[We are] charged with the purpose of establishing long-term, sustainable and easily accessible relationships with the community," LaRossa said. "Tech does a phenomenal job of solving world and industrial problems, but we really think that potential and work ethic can be harnessed around Atlanta."

LaRossa looks to have events focusing on different aspects of the community to allow students to find their passions in service.

"We don't want to prioritize one need or demographic of the community more than another," LaRossa said.

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**STEP AFRIKA!**

Saturday, January 29

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Free step workshop on January 28. Time announced on Ferst Center web site. Free Dance Dialogue after the show.

JON FADDIS JAZZ ORCHESTRA OF NEW YORK

Saturday, February 12

Renowned trumpeter leads 18-member group

Special Event!

Salute to Ellington

A jazz celebration honoring the music of Duke Ellington.

Enjoy these special events:

- Feb. 9—Free lecture/demo by Jazz Reach about Duke Ellington's life and music. 10:30 a.m.
- Feb. 12—Free soundcheck and Q&A for Tech students with the Jon Faddis Jazz Orchestra. Time announced on web site.
- Feb. 12—Free Jazz Connect at 7 pm
- Feb. 12—Performance by Jon Faddis Jazz Orchestra at 8 p.m. Student tickets are \$10 each.

CIRQUE MECHANICS

Friday, February 18

High-flying, entertaining Boom Town

MARGARET CHO

Saturday, February 19

Over the edge comedy!

DOUG VARONE & DANCERS

Saturday, March 5

Awesome modern dance

Free Dance Dialogue after the show

MELINDA DOOLITTLE

Saturday, March 12

American Idol star!

ERIC MARIENTHAL

Friday, March 25, 2011

Best jazz saxophone

Free Jazz Connect at 7 pm

NRITYAGRAM DANCE ENSEMBLE

Sunday, March 27

Outstanding company from India

Free Dance Dialogue after the show

JONAH BOKAER

Saturday, April 2

The fusion of art and technology

See web site for all ARTech events

PEABO BRYSON

Saturday, April 16

Silky vocals and great hits

Free Jazz Connect at 7 pm

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Blue Man Group brings color to fox



Image courtesy of Theater of the Stars

SHOWS

Blue Man Group

PERFORMER: Blue Man Group

LOCATION: The Fox Theater

DATE: Jan. 18 - 23

OUR TAKE: ★★★★★

By Chris Ernst
Senior Staff Writer

The loud and mute Blue Man Group plays a new show Jan. 18-23 at the Fox Theater as part of their U.S. National Tour. For those who have seen them perform before, the chance to see the Blue Man Group live in your city is too good to pass up.

The amazing, one-of-a-kind show blends sights and sounds with a heavy dose of humor to make one of the most entertaining shows around.

The expert performers/musicians play fantastic music while making subtle statements about society and the human condition.

The performers are epitomized

by the make-up and costumes which forces performers and audience to focus on the material being presented and not on the personality or branding of the individual people on stage.

This is the complete opposite of common practice nowadays. In today's world of branding and fluff, the Blue Man Group refreshingly emphasizes the content.

The whole show does not have an overt message of anything particularly specific, but on closer examination, there are actually some deeper themes going on under the music and the jokes.

The trio does a skit in which the audience is forced to try and read three screens of separate information at once on "GiPads."

The information oversaturation holds a mirror up to society while the information on the screens is actually quite funny by itself.

Probably the biggest theme of the show is communication and how people communicate with each other over many mediums but never really have a conversation.

Two stick figures communicate over text message using text abbreviations and realize they need to break out of themselves.

This point is further driven home by muteness of the blue men themselves who never say a word or make a sound with their mouths. They make a whole ar-

tistic statement while never saying anything and just using natural body movements and postures.

The show the Blue Man Group puts on is very modern with a litany of warnings before the show starts for those with weak lungs, hearts and constitutions to be wary of the physical stresses of sitting on your George Foreman Grill and watching such a multimedia show. The show has huge screens and UV lights for everyone to become pleasantly disoriented.

The blue men go through a series of sketches, each imaginative and unique. They interact with videos playing on flying screens and make artwork to give out to the audience while playing drums.

The show takes left turns like a lead-footed lost race car driver, each turn delightfully unexpected. Music, light, acting and stag-

ing blend and mash together to make a neon-colored splatter of energy and entertainment.

The most surprising aspect of the show was the consistent hilarity. While some sketches were more serious and strictly musical, many of them have hysterical videos/commentary/acting.

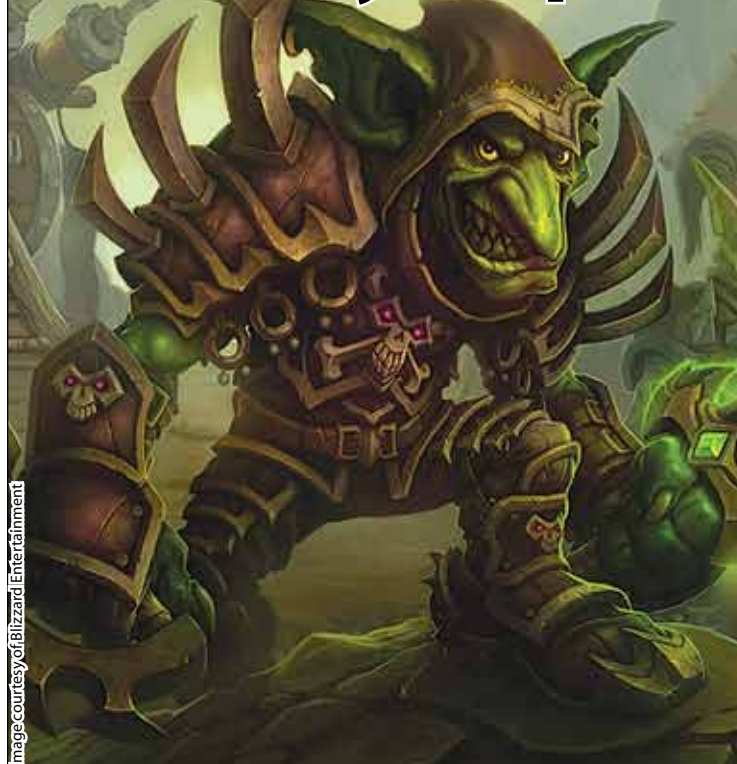
It is not just a laugh here or there, but a full out exhausting guffaw followed by a belly laugh Santa would be jealous of.

The Blue Man Group is one of the best shows around. It has some social commentary but much more humor throughout the whole show. The energetic, exciting and colorful stage and visual style make a visual feast.

All of these elements are great on their own and come together in unexpected ways that always entertain.

The Blue Man Group is a creative experience everyone should see, especially now while it is at the Fabulous Fox.

Cataclysm provides needed enhancements



GAMES

World of Warcraft: Cataclysm

CONSOLE: Mac OS X, Windows

GENRE: Fantasy

DEVELOPER: Blizzard Entertainment

RATING: T

RELEASED: Dec. 7, 2010

OUR TAKE: ★★★★★

By Kristin Hanson
Contributing Writer

For the last several months, strange things have happened in Azeroth, the mythical realm of the *World of Warcraft* MMO

(massive multiplayer online) which was first released in 2004 by Blizzard Entertainment. Elementals, physical manifestations of the elements and earthquakes suddenly started breaking the continents apart. On Tuesday, Dec. 7, the third expansion, *Cataclysm*, was released and the *World of Warcraft* was changed forever. The expansion follows the return of the Dragon Aspect Deathwing the Destroyer, whose arrival from the elemental plane to the mortal realm caused The Shattering, which ripped Azeroth apart.

Not only did every area of the original game get visually changed, but there are hundreds of new quests, new character races and new playing styles that

veterans will have to get used to.

Along with the updated areas, all character classes gained and lost some abilities. For those who have been playing for a while and have their fighting styles down to an almost rote strategy, this was very frustrating at first. It takes time to acclimate to the new game mechanics and reworking fighting styles, but if you can look past this, then you can see that it breaks up the monotony of doing the same old thing. Blizzard also revamped the talent trees for each character class. Again, each talent tree gained and lost some talents, but for the most part they are more streamlined and provide more variation to character specializations early

See *Cataclysm*, page 14

Eating Atlanta

Cuisines around Atlanta

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PHONE: (404) 633-6655

OUR TAKE: ★★★★★☆

By Michael Valente & Andrew Nelson

Contributing Writers

Buford Highway continues to host Atlanta's finest with Panahar Bangladeshi and Indian Cuisine, which is one of the best of its kind. Panahar keeps a low profile as an unassuming, unique experience into the rarely ventured cuisine and culture of Bangladesh.

The differences between Bangladeshi and Indian cuisine are not easy to distinguish. The spices were toned down a bit compared to most Indian restaurants' food, and there were fewer sauce-heavy dishes. Flavors here are earthier than the often sweet or fruity Indian dishes.

For lunch, which this is based on, the serving style was buffet; however, the quality of Bangladeshi and Indian restaurant buffets are better than American buffets and are a common sight for lunch instead of conventional table service.

Panahar presents a consortium of foods from a culture that most average Americans may not be too

familiar.

This buffet option offered at Panahar is a welcome relief to the new customer as the decisions are made for them and if one has a question, the staff is happy to help explain each item in the line-up in thorough detail.

The choices were split between the house soup, eight main dishes and a dessert/condiment cart with several chutneys. The house soup was a rich, thick and earthy soup that ends with considerable spice. It was offset, however, by the lighter main dishes which included tandoori chicken, egg curry, shaag paneer, goat meat and potatoes in a brown sauce and the staples, naan and rice.

The two desserts were laal-mohon (whey balls in honey syrup) and firni (spiced rice pudding). Out of all of these choices, the shaag paneer, a creamy spinach and cheese dish, easily outshined its neighbors in the selection with its great texture and taste. The plentiful, moist naan worked well to soak up the juices and bits left behind from the main dishes.

Panahar was appealing in that each dish brings a different style and the avid customer can get a variety of flavors to taste all on the same plate, but Panahar excels in the quality it brings to the entire buffet.

Panahar operates Tuesday through Sunday, with their lunch buffet from 11:30 a.m. - 2:30 p.m. and dinner table service from 5:30 p.m. - 10:30 p.m. Takeout is also available. Reservations are highly recommended for dinner, considering the low capacity and frequent large parties.

The Cape fails as melodrama

TELEVISION

The Cape

NETWORK: NBC

WHEN: Monday 9 p.m.

STARRING: Martin Klebba, Izabella Miko & Summer Glau

OUR TAKE: ★★★★★☆

By Hank Whitson
Staff Writer

Looking for a superhero fix to tide you over until the Thor and Captain America movies? If you can forgive some terrible logic and occasionally cringe-inducing dialogue, NBC's *The Cape* might just scratch your itch.

The show has a healthy sense of humor in the spirit of golden age comics, and the titular superhero is a winning mix of Batman and Michael Chabon's *Escapist* from the novel *The Amazing Adventures of Kavalier and Clay*.

The show tells the story of Vince

Faraday, played by David Lyons, a doting family man and all-around good cop who is framed for the murder of the Palm City Police Chief by the masked super-villain, Chess, played by James Frain. While fleeing authorities, Vince is apparently killed in a televised explosion, only to be taken in by a merry band of bank robbing circus performers led by Max Malini, played by Keith David.

Amongst the carnies, Vince discovers a cape with special properties and decides to adopt the identity of *The Cape*, his son's favorite comic book superhero, to fight crime and right wrongs.

On his first outing, Vince runs into the enigmatic computer hacker Orwell, portrayed by Summer Glau, and the two team-up to take on corruption and villainy in Palm City.

It is a fun set-up with a lot of promise, but the show has its fair share of Kryptonite to overcome if it is going to go the distance. NBC is clearly courting *Heroes*' fan-base



Image courtesy of NBC

here, though *The Cape* is not nearly as sharp, polished or mature as the first season of that much-loved but ill-fated superhero show.

It seems like the writers can't decide whether they want to go for tongue-in-cheek campiness or preachy melodrama, and they awkwardly split the difference between the two.

See *Cape*, page 16

Cataclysm from page 13

on.

Previously, the level cap was 80, but this expansion raises the cap to 85. Once a player reaches level 80, they are now given the choice of heading to Mount Hyjal, an important lore location throughout the series, to aid the druids in the fight against fire elementals, or heading to the island of Vashj'ir, home to the Naga, a race of serpentine underwater dwellers. Participating in these quest lines gives insight into more lore and follows Deathwing's rampage across Azeroth. There are also nine new heroic dungeons that offer new challenges for experienced players. For enough gold, players can fly on their flying mount in

all areas of the world which drastically cuts travel time.

For players who have not reached level 80 or might choose to start a new character, the *Cataclysm* expansion introduces two new races. On the side of the Alliance there are the Worgen; humans who become cursed when bitten by a werewolf. The new Worgen starting area is very neo-gothic, filled with dilapidated buildings and city squares where the sun rarely shines. Although the new race is a breath of fresh air, the starting quests are a little disappointing and attention to the storyline's details is lacking. On the side of the Horde, the new race are the Goblins. Quirky engineers with a Mafia-style attitude offer a comic relief with

their fun and crazy starting area. Some quests include stealing and tampering with evidence that are so ridiculous it's impossible not to crack a smile.

All in all, Blizzard's latest expansion included some much needed updates to the game experience. While there have been previous expansions that added new gameplay, the original areas stayed the same. Now, even veterans of the game can enjoy exploring the new areas and learning more about Azeroth through the detailed quest lines. They can even start a Worgen or Goblin and create a new playing experience. Except for a few, minor qualms, Blizzard has really enhanced the *Warcraft* series with its newest addition.



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why is angry birds more fun than physics?

just scared off some potential robbers across from NAS.

i'm done being a peach. back to the bean

Dear GT student who shot an armed robber today: Props to you, sir.

Finals always make me wish I'd tried ahrder on AP tests

Y did Darth Maul have 2 die?

it's funny that in the winter time, they put up signs to keep the doors close. But in the summertime, they don't, even though it's the same (but reverse) temperature difference

my roommate waited too long to do laundry so he had to wear dirty underwear over again

genghis kahn would have made a great starcraft 2 player

At this rate Tech football will be in first place in one thing, the longest bowl losing streak

Daniel McKayhan, I think you need to practice catching punts more often

fact: i'm not flirting with you--i just make eye contact with everyone i see

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(or somebody)
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Blue Valentine offers realistic portrayal of love

FILM
Blue Valentine
GENRE: Romance Drama

STARRING: Ryan Gosling & Michelle Williams

DIRECTOR: Derek Cianfrance

RATING: R

RELEASE DATE: Dec. 29, 2010

OUR TAKE: ★★★★★☆

By Robert Solomon
Contributing Writer

The poster for *Blue Valentine* is misleading. It shows Ryan Gosling's character Dean and Michelle Williams' Cindy in a passionate embrace, full of the hope that their burgeoning romance promises. Six years and one child later, this passion has evaporated, replaced by a quiet tolerance for less than ideal circumstances. The quiet does not last for long.

Set in two distinct time periods, *Blue Valentine* shows both the beginning and the ending of

their relationship. For a long time we only see the strained conversations, camera lingering on Cindy's worn uniform and Dean's paint-stained hands. It is not that the actors have aged visibly in appearance, apart from Dean's receding hairline. It is in the slowness of their actions, as they seem to move carrying an invisible burden.

This sounds intolerable and at times this strain is uncomfortable to watch, but it is executed in a manner that is forthright and authentic. Much of this credit goes to the performances by Gosling and Williams, who manage to not only portray the strain of a relationship at its breaking point, but also to show the relationship at its most exuberant.

It turns out that the poster might hold some truth after all. Sometime within the film, the scenes abruptly jump to six years in the past with Dean carrying roguish charm and Cindy holding eyes full of promise for her future. As Dean serenades Cindy with his ukulele, surprising Cindy with his talent, a mutual awe develops, bursting into the sort of love that

defies reason with its seemingly limitless happiness.

In these moments we forget the turmoil of Dean and Cindy's relationship, making the inevitable return all the more heartbreaking. More tragic still is finding the seeds for their eventual discontent within these happy moments. It becomes clear that Cindy fell in love with Dean for the man he could have become, while Dean remained content to be the man he already was.

It would be easier in a film like this if one character was deemed good and the other bad, but *Blue Valentine* makes no such allowances. Emotional manipulations occur on both sides. Yet, everyone around Dean and Cindy takes sides, pulling their conflict into a feeling of inevitability. As Dean and Cindy fight against their separation, one gets the feeling that it is as futile as fighting gravity.

In an attempt to patch their relationship, Dean and Cindy take an evening off from their child to go to a love motel. It is here that they drink and attempt to remember the spark that brought them



Image courtesy of NBC

together in the first place. The memories of their early romance come flooding in, but they do not comfort. Instead, they remind each other of how much they have both lost.

It is this feeling of loss that gives *Blue Valentine* its power. It may not seem positive, but it is never less than honest. One gets

the sense that this entire film was a labor of love by the filmmakers and the actors, and if their attempts to find truth sometimes strain it is never anything less than completely enthralling. For those who seek great cinema, it is mandatory viewing. For those who seek escapism, one might better look elsewhere.

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Veterans Train steal show at Center Stage

CONCERT

Not So Silent Night

PERFORMER: Train, Plain White T's & Christina Perri

LOCATION: Center Stage

DATE: Dec. 14, 2010

OUR TAKE: ★★★★★

By Wayne Bishop
Contributing Writer

On Tuesday, Dec. 14, 2010 people crowded into Center Stage in Midtown Atlanta for the *Not So Silent Night* concert. Performing on the evening were Christina Perri, Plain White T's and Train, in that order. The experience of the groups ranged from up-and-coming to established, giving the crowd a great diversity.

Headlining the show was Train, a rock band who returned from a three-year hiatus in 2009. Any concert attendant would not be able to tell this, however, as lead singer Pat Monahan played the stage and crowd like a well seasoned veteran.

There were several on and off stage antics made by Monahan. During the song "She's on Fire" he invited six girls from the crowd on stage to assist him. Later in the show during their performance of their latest single "Marry Me" Monahan hopped off stage and made a lap around the venue's pit while singing to many wide-eyed

crowd members.

Earlier in the night, Christina Perri opened the evening up with an intimate performance on the piano. She was accompanied on several songs by John Anderson who played guitar. She played four songs, ending with her first single "Jar of Hearts." She was able to bring out fine dynamics through simple instrumentation which engaged the audience quite well.

Following Perri was the Plain White T's, a rock pop group consisting of two guitars, bass, drums and lead vocals. Just coming off the release of their latest album *The Wonders of the Younger*, the group came on stage dressed in what appeared to be late nineteenth century war apparel.

This choice of clothing left many people in wonder until the chorus of their first song entitled "Irrational Anthem," giving some reason to the attire.

The band even began to break out of their pop rock mold with an extended guitar solo in their third song, "Big Bad World." More interesting guitar arrangements were found in their closing song, "Hey There Delilah." During this song, the two electric guitar players used electronic handheld devices in combination with their guitars in order to create a violin bow sound and were even able to harmonize the parts.

Plain White T's also performed songs that featured the vocals of their lead guitar player Tim Lo-



Photos by Basheer Tome / Student Publications

pez instead of their normal lead singer Tom Higgenson. Though a change from the average, it was a refreshing change for the crowd as he proved himself to be a capable singer himself.

After Plain White T's ended their set with their No. 1 hit "Hey There Delilah," the crowd patiently waited for the main draw of the show, Train, to come on stage.

Train came out with another five-piece set up including a guitar, drums, bass, keyboard and vocals. All the musicians showed proficiency and a good show, but musical talent and showmanship truly came out in Monahan.

During the end of the second song of the night, "Get To Me," Monahan hit a high note that would be difficult for even the

most experienced soprano singer to hit.

The group also played a good mix of former hits such as "Meet Virginia" in the beginning of the set and "Calling All Angels" midway through it. They played their early 2010 hit "Hey Soul Sister" closer to the end of the evening.

Upon ending and the band leaving the stage, the crowd waited patiently for an encore. Several minutes later, as if on cue, the band returned to the stage to play their first big hit, "Drops of Jupiter."

The crowd left the packed Center Stage with smiles on their faces. Though the night was filled with up-and-comers and veterans, the concert went without a hitch or flaw.

Cape

from page 14

In fact, *The Cape* is at its strongest when it pokes fun at itself and subverts the familiar clichés associated with masked crime fighting.

There is a scene in the pilot where a wounded character gives a moving deathbed speech, only to realize in disappointment that he is not dying.

At the other end of the spectrum, there are moments of horrible logic that heavily tax viewers' suspension of disbelief, even when judged by the lax standards of superhero comic books.

These moments that are supposed to come off as heart-warming are not only pithy but contrived.

The acting will certainly not win any Emmys, but David Lyons makes a solid, if bland, leading man. Chess is the most generic villain television has seen in years, and James Frain's by-the-numbers performance does little to redeem him.

Keith David makes an engaging and likeable mentor, though he is hampered by some truly awful lines like "Either you wear the cape of the cape wears you!" Summer Glau's quirky charm is in full force, but her balletic and martial arts talents are wasted as *The Cape's* homebody computer hacker side-kick.

Superhero fans should give *The Cape* a watch at least once, but everyone else can afford to give it a pass at present. Hopefully the show will work itself out as the season develops.

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THEME CROSSWORD: CLEANUP TIME

By Robert Zimmerman
United Features Syndicate

ACROSS

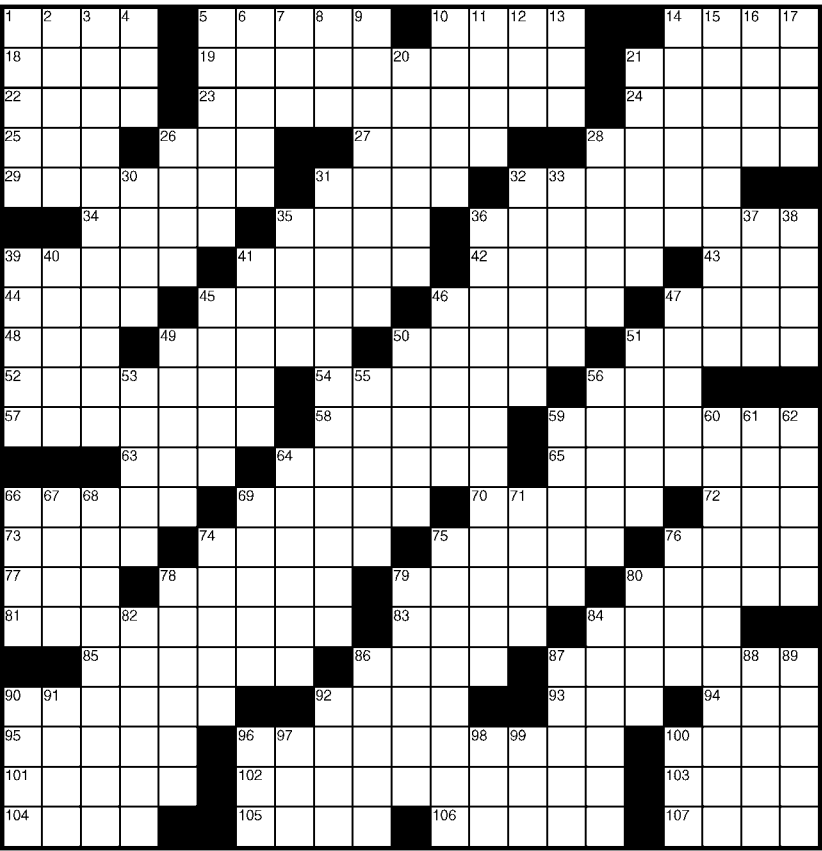
- 1. Pay
- 5. Of the cheekbone
- 10. Dozes
- 14. Govt. agcy.
- 18. Bruised
- 19. Entertainment mogul
- 21. Like some candles
- 22. Whim
- 23. Hardcover's cover: 2 wds.
- 24. Fur garment
- 25. Spy org.
- 26. Pediatricians: abbr.
- 27. "Yours, Mine and --"
- 28. Onion color
- 29. Belligerent
- 31. Quiet ones, idiomatically
- 32. Agitate: 2 wds.
- 34. Yesteryear
- 35. Red color
- 36. Dice-throw result: 2 wds.
- 39. Rashness
- 41. Like some siblings
- 42. Intemperate one
- 43. Mandible

DOWN

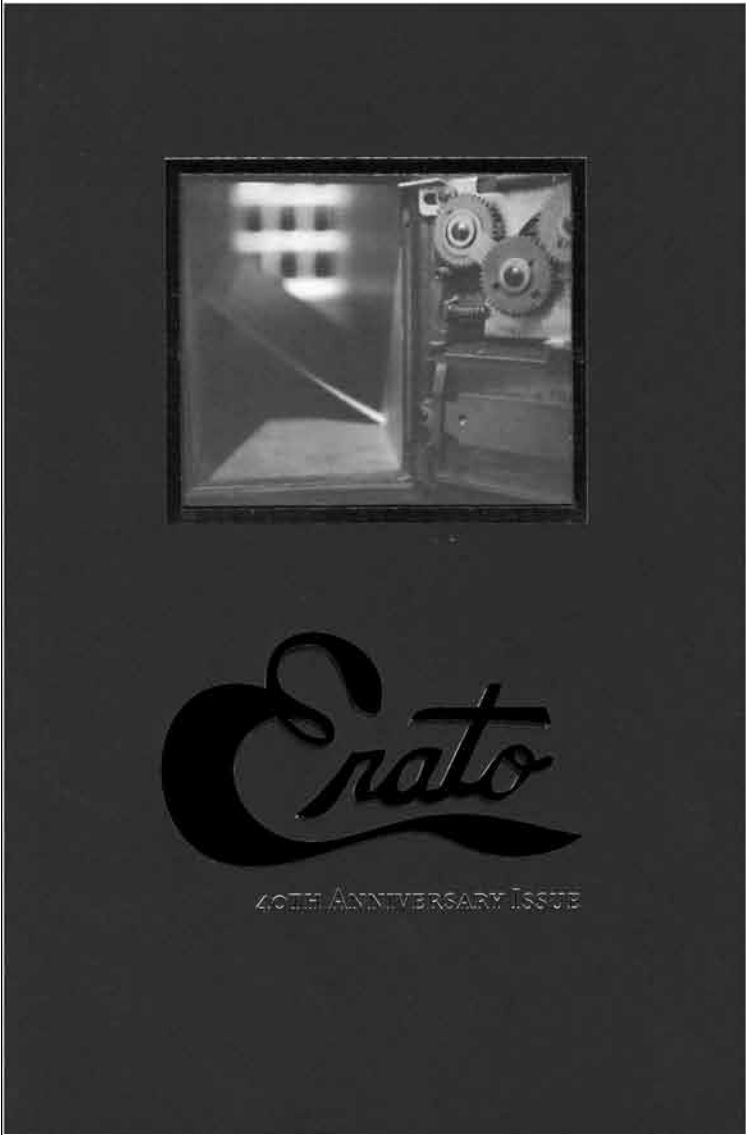
- 1. Every -- way
- 2. Broadcast portion
- 3. Hash house: 2 wds.
- 4. Timetable abbr.
- 5. Mean
- 6. Regale
- 7. Successors to 78s
- 8. Op or pop
- 9. Jubilates
- 10. Mother-of-pearl
- 11. Boats
- 12. Noisy bird, for short
- 13. Dipsomaniac

- 44. Savoy or Lepontine
- 45. Makes, in a way
- 46. -- seal
- 47. Sub --
- 48. Vegas casino
- 49. "M*A*S*H" role
- 50. Wipes
- 51. Devoutness
- 52. Hard variety of rubber
- 54. Trip of a kind
- 56. Money owed: abbr.
- 57. Trim on ceremonial garments
- 58. Pickle
- 59. Clerics
- 63. Conducted
- 64. Put on
- 65. Requiring endurance: 2 wds.
- 66. Publicists' cousins
- 69. Lulls
- 70. AstroTurf alternative
- 72. Lennon's widow
- 73. So-so marks
- 74. CSA president
- 75. Consecrate
- 76. British gun

- 77. Word in place names
- 78. Superhero's sidekick
- 79. Sultan's decree
- 80. Ribald
- 81. Giving generously
- 83. Headland
- 84. Soft cheese
- 85. Energy-sector industry
- 86. Oh, woe!
- 87. With ruffles
- 90. Sets off
- 92. Stunt
- 93. "-- -- a Camera"
- 94. Stain
- 95. Peony part
- 96. Clint Eastwood movie: 2 wds.
- 100. Faction
- 101. Ridge among mountains
- 102. Magical command: 2 wds.
- 103. Oklahoma city
- 104. Trick
- 105. Part of NB
- 106. Asparagus piece
- 107. Senescens



- 53. Butler in "The Nanny"
- 55. Bums around
- 56. Higher-ups
- 59. Lunar phenomenon
- 60. Metal-joining process: 2 wds.
- 61. Adjusted
- 62. Hard
- 64. "-- Private Ryan"
- 66. Rights org.
- 67. Faculty head
- 68. Army buddies
- 69. Room in a luxury liner
- 71. Ohio players
- 74. Day or Roberts
- 75. Respires
- 76. Mizzen or moonraker
- 78. Cause irritation
- 79. Fillings
- 80. Deerstalker part
- 82. Buccaneer
- 84. Roller for inking
- 86. Insurance giant
- 87. Terra --
- 88. Gorme the singer
- 89. Exploits
- 90. Box
- 91. Where Arequipa is
- 92. Fingerboard ridge
- 96. "-- Carlo"
- 97. Investment opportunity: abbr.
- 98. Serpent
- 99. -- Dawn Chong
- 100. Kind of monster



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CROSSWORD SOLUTION FROM PAGE 17

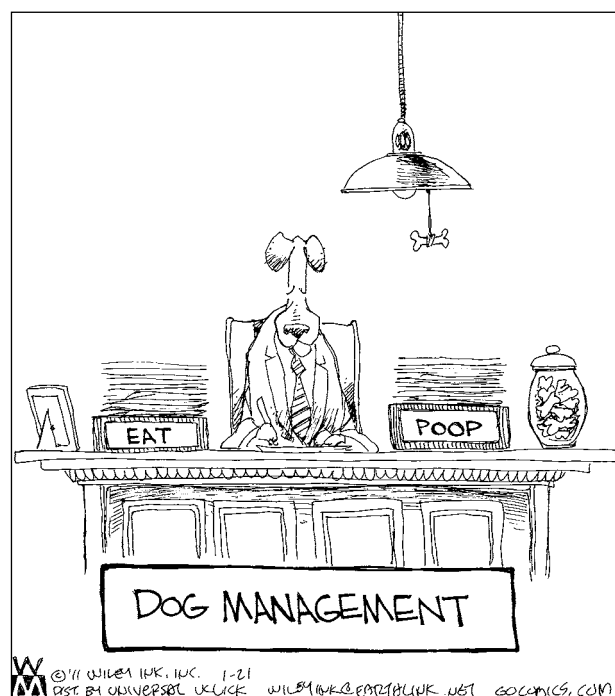
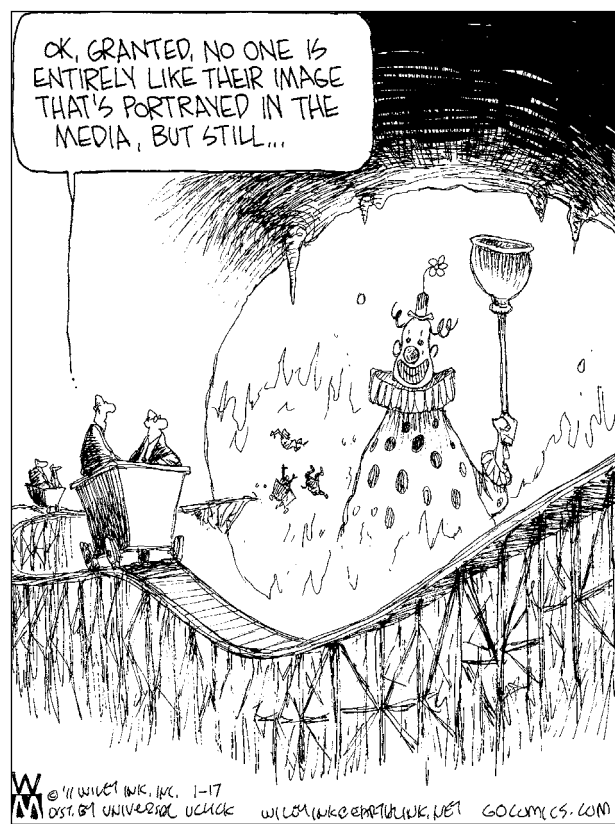
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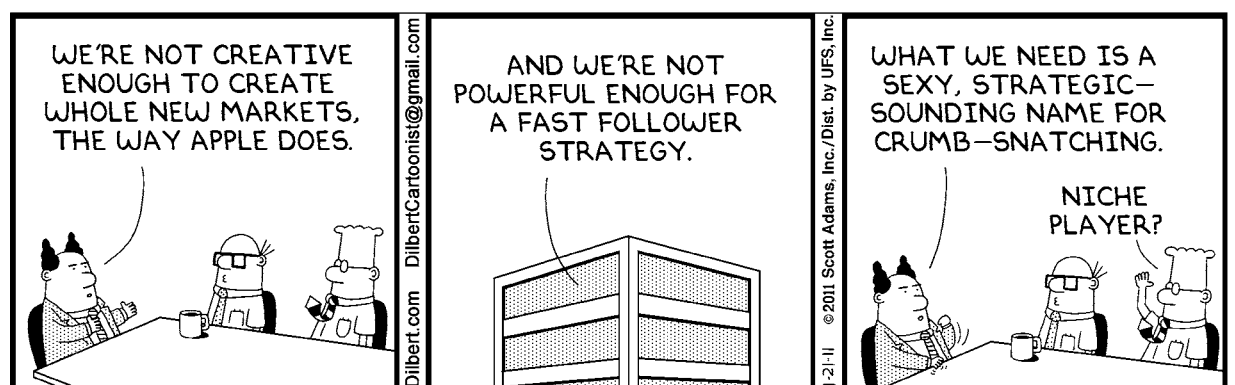
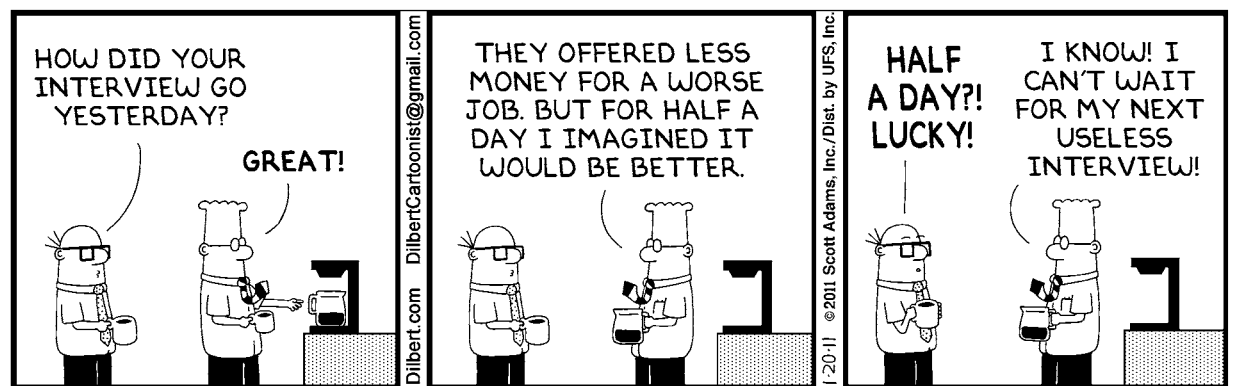
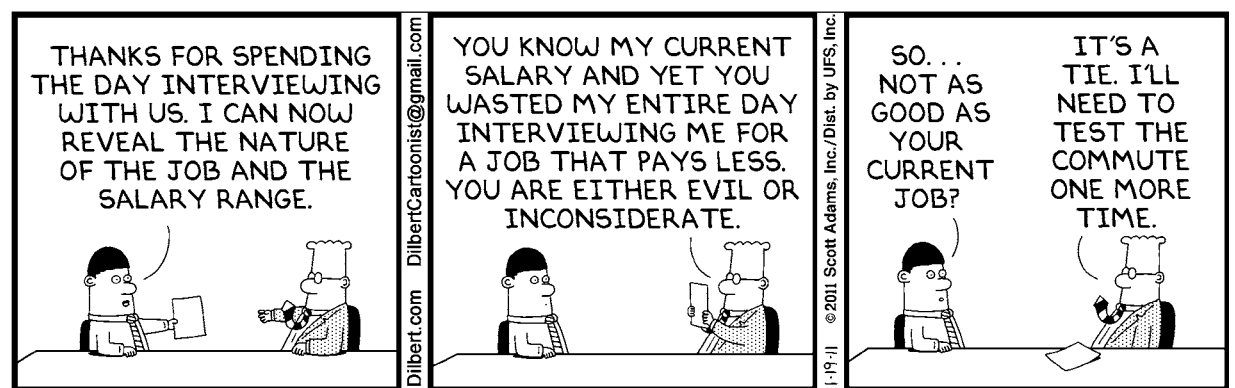
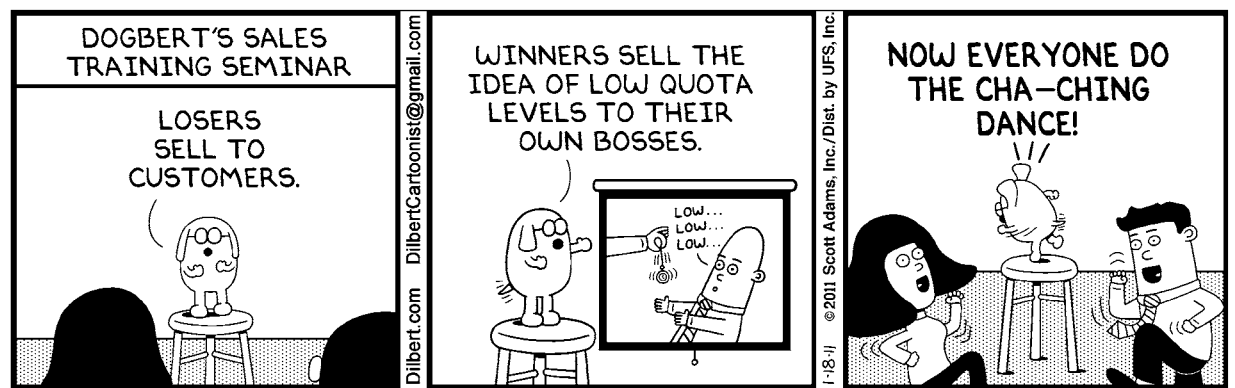
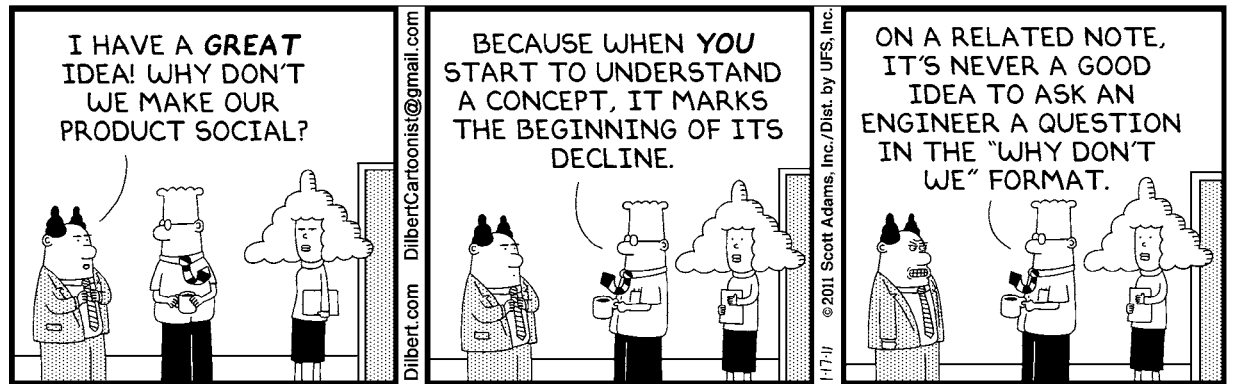
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PLAY OF THE WEEK

By Nishant Prasad
Online Sports Editor

With North Carolina within striking distance during Sunday's contest, the Jackets cleanly executed the same play on back-to-back possessions late in the second half to take a 12-point lead and begin to put the game out of reach.

After UNC forward Harrison Barnes hit a pair of free throws to cut Tech's lead to 56-49 with 6:32 left in the game, the Jackets rushed to the other end of the court to attempt a quick score. Senior guard Moe Miller cut to the left after crossing midcourt but met resistance as UNC guard Kendall Marshall stepped up to guard him. Miller managed to get off a pass to redshirt freshman center Daniel Miller on the post; in the meantime, sophomore guard Glen Rice began cutting toward the basket from the left wing and Daniel Miller quickly passed to Rice as he ran by. UNC guard Justin Watts met Rice at the rim, but Rice managed to draw a foul from Watts and connect on a layup.

Later, UNC's Justin Knox committed a turnover, and the Jackets set up a nearly identical play on the subsequent possession. Moe Miller once again had possession near the top of the key and passed to Daniel Miller on the block. Daniel Miller then passed to Rice on the left wing, and UNC forward Tyler Zeller took a step back, expecting Rice to drive toward the basket; instead, Rice remained in his spot and had plenty of space to put up an open three-point attempt. He drained the shot, giving Tech a 61-49 lead, and the Jackets maintained a double-digit lead for the remainder of the game.

Women's tennis begins new year in Michigan Invitational

By Kyle Gifford
Staff Writer

The No. 16 Jackets women's tennis team opened up their 2011 season in Ann Arbor, Michigan where they participated in the Michigan Invitational. The tournament included talented teams from Michigan, Washington and Tennessee. The team had mixed results throughout the weekend matches, but the Jackets did get a consistent and strong performance from junior Lynn Blau.

The first day of the Invitational the Jackets struggled in the singles portion of the tournament, earning a 3-5 record with wins by senior Sasha Krupina, junior Lynn Blau and freshman Rocío Lopez.

Blau lost the first set to Tennessee's Kata Szekely 6-4 but managed to rally in the second set to squeak out a 7-6 win to tie the match at one-set apiece. Blau won the decisive third set by the same score she lost the first en route to her first win of the tournament.

The team fared much better in the doubles portion, winning three of four matches against No. 23 ranked Washington.

Lopez and fellow freshman Muriel Wacker led the Jackets with an 8-1 win. To their opponent's credit, Taylor Fournier and teammate Vanja Radunovic probably did not have much familiarity with each other as doubles partners seeing as Fournier went to Michigan and Radunovic played for Washington.

The following day, Tech picked up the pace in singles against the Michigan Wolverines, earning a split of eight matches, with wins by Blau, juniors Viet Ha Ngo and Caroline Lilley and Wacker.



Photo by Thien Huynh / Student Publications

Viet Ha Ngo returns a shot at the Bill Moore Tennis Center. Ngo defeated her opponent from Michigan in three sets, 7-6, 4-6, 6-1.

Ngo won a three-set thriller that started with a 7-6 first set win, and Blau won her second three set match in as many days when she defeated Mimi Nguyen, 6-7, 7-6, 6-3.

The Jackets also split the doubles matches against the No. 13 team from the Tennessee Volunteers. Each team had a narrow victory and a lopsided loss, as both teams had identical 8-6 and 8-1 wins.

The final day of the tournament proved to be the Jacket's best in singles. Tech racked up a record of 4-3 against Washington, including an impressive three match win streak to close out the singles portion of the tournament.

Lilley, Wacker and sophomore Elizabeth Kilborn, playing as Tech's three lowest seeds, proved

to be the difference in the match as each player dominated their opponent in straight sets.

The doubles teams pulled to another split on the final day, going 2-2 against the host, the Michigan Wolverines. However, each match was highly contested, and the team of Ngo and junior Jillian O'Neil fell by the score of 9-8 (6).

Blau had a stellar tournament for Tech, finishing with three singles wins and no losses. Her performance in the Invitational contributed to her being named the ACC Women's Tennis Player of the Week.

Blau and the rest of the Jackets will look to improve on their record this Sunday, January 23 in Atlanta against No. 9 Northwestern.

Defense from page 21

six of his seven shots for the game, and finishing with 21 points and five rebounds.

Shumpert finished the game with 20 total points and also had six rebounds and three steals.

The Jackets were not as efficient shooting the ball as they were in the first half, shooting only 35.7 percent for the half. However, the Jacket's defense held up well, and only allowed Wake to make four shots in the half for a total of 13 points. Tech went on a 30-6 run to start the half and led by as many as 42 points with just under four minutes in the half. Tech, however, would put in their full rotation of players throughout the rest of the game, and finished the game allowing seven more points, and winning by 35, 74-39.

Tech's next game is on the road at Virginia, on Saturday, Jan. 22, before returning home for two games against Virginia Tech and Maryland.



Photo by Thien Huynh / Student Publications

Brian Oliver shoots a jump shot in Sunday's game versus UNC.

sliver

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I was the bad ass that wore nothing but a bathrobe and flip flops to the dining hall this morning. Thats right, bask in the awesomeness

psych prof just should a graph of depression versus months and another of sunlight vs months and said light= happiness.. what the hell happened to coincidence does not equal causality?

why so few american phd students? that ain't right

guy who gave up his seat on the trolley, you are a god.

To the cute chick in CoC 103B from 12-2, I'm going to miss seeing you.

Save Water Shower with a Friend

saw a mouse in van leer today.

it's not a date if there isn't a kiss at the end

he gets murderly when he's nervous

fyi, polar bears don't live in the south pole.

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kid on his back, you make my 8am workouts that much better

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i judge you when you don't wash your hands after using the bathroom

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Petite blonde who ate lucky charms at Brittain, you play at Cath-

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Women's basketball wins 13th straight contest

By Alex Mitchell
Sports Editor

On Jan. 13, the Tech women's basketball team hosted Virginia for the team's third ACC game of the season. Tech beat the Cavaliers, 68-48, and closed out the week by defeating Wake Forest on the road, 54-46. The win over the Demon Deacons improved the Jackets to 4-0 in conference play, and capped their 13th win in a row.

Against the Cavaliers, senior guard Alex Montgomery made a two-point jump shot in the game's first eight seconds to give the Jackets an early lead. The teams traded baskets for the next couple of minutes, but then the Jackets went on a 15-2 run to jump out to a 19-6 lead.

Montgomery finished the game with 14 points and was one rebound shy of her 10th career double-double.

The highlight of the first half came when freshman forward Tyanna Marshall's shot got blocked near the rim. However, Marshall

made a great play to grab the deflected ball and pass it to junior guard Metra Walthour who promptly nailed a three. It was the only three-pointer of the entire game, as both teams combined to shoot one-of-13 from three-point range.

Marshall and Walthour led the Jackets in the assist category with five and nine, respectively. Both numbers were career highs.

Virginia made the first basket of the second half, but Tech went on a 12-0 run to give the team a 23-point lead at 44-21.

Virginia would end up cutting Tech's lead to 18, but a late jumper from senior guard Deja Foster preserved a 20 point win for the Jackets.

The Jackets dominated on the boards as three players had nine rebounds, and a perfect 11-11 from the free throw line ensured the victory. It was the first time in program history that the team made every single one of their free throws in a game (minimum of 10 attempts).

"We had four players in double figures. For us to come off a game where we were nine-of-18 from the free throw line and turn around to be 11-of-11 is a big improvement," said Head Coach Michelle Joseph.

One of those four players in double-figures was junior center Sasha Goodlett who scored over 10 points for the ninth time this season.

"We've been talking about getting post touches and getting [Goodlett] the ball more. I felt like in the wins over North Carolina and Clemson she was key, the difference maker. We're used to [other players] carrying us, but in ACC play we know we have to have an inside game," Joseph said.

The win moved the 2010-2011 senior class into second all-time in

school history with 82 wins. They trail only last year's seniors who had 88 total wins.

In Tech's next game, the Jackets had the three-point shot working early as Montgomery and Walthour hit outside shots to give the Jackets an early 6-0 lead. Tech scored the next four baskets to jump out to a 14-0 lead before Wake finally made a three-pointer at the 15:11 mark.

Wake went on a thirteen-point run to cut Tech's early lead to one. Jacket turnovers and fouls allowed the Deacons to get back into the game.

"I thought they made us play defense for 28-30 seconds on every single possession. That wore us down on the offensive end, and they kept us from running," Joseph said.

Another 14-0 run by the Jackets gave the team a comfortable lead at 27-13, but Tech would not score for the remaining five minutes of the half, and the team into the locker room with only a three-point lead.

Tech would not score again until the 14:27 mark in the second half, and in the meantime, Wake took the lead at 33-28.

"The key to the game was our defense and rebounding, because if you don't score for that long, 10-plus minutes, you should lose by 20 on the road. We were getting defensive stops and we were able to get the defensive rebound to keep us in the game," Joseph said.

The teams traded baskets, and Tech was able to keep the game within reach until Marshall made a layup to put the Jackets up one with just over eight minutes to play.

Marshall finished the game with 17 points, 15 of which came in the second half.

The game was tied at 41 with



Photot by John Nakano / Student Publications

Alex Montgomery scores a layup in a recent home game. Montgomery moved into ninth place on Tech's all-time scoring list.

four minutes left until Walthour hit a three to give the Jackets the lead for good.

"I was pleased with the way Marshall stepped up in the second half and put us on her back on the offensive end and made some key plays. Walthour hitting that three sort of separated us at the end in the last couple of minutes," Joseph said.

The Jackets won the game thanks to their perimeter defense

which held the Deacons to four-of-17 shooting from beyond the arc.

The game was historic for Montgomery, who moved into ninth place in Tech history with 707 rebounds and ninth place in scoring with 1368 points.

The Jackets hit the road for their next game on Jan. 21 when they play a regionally televised game against the No. 3 Duke Blue Devils.



Photo by John Nakano / Student Publications

Metra Walthour has at least four assists in 13 games this season.



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Men's tennis wins first match

By Alex Mitchell
Sports Editor

On Jan. 16, the men's tennis team opened their spring season at home with a win over No. 60 ranked South Carolina Upstate. The No. 23 ranked Jackets did not lose a single set on the day en route to a decisive 7-0 victory.

The Jackets started the day off strong by winning each of the three doubles matches by at least six games.

Senior Guillermo Gomez, who is the No. 23 ranked singles player, was paired with fellow senior Dean O'Brien for the team's first doubles match of the day. Although the team has struggled at times in the past, Gomez and O'Brien handily beat the USC Upstate team of Gianluca Paino and Andres Sanchez by a score of 8-0.

Next up for the Jackets was the No. 8 ranked team of sophomore Juan Spir and junior Kevin King. The team did show some signs of rust in their first match of the season, but in the end, the duo managed to defeat Ramiro Blanco and Matias Di Pasquale 8-2.

The last doubles team comprised of seniors Ryan Smith and Eliot Potvin added another 8-2 victory to lock up the first point of the match.

Gomez started the singles portion of the day for the Jackets when he took on Ramiro Blanco from USC Upstate. Gomez swept the first match 6-0, but showed some signs of fatigue in second set, winning 6-2. Still, Gomez's victory gave the Jackets their sec-

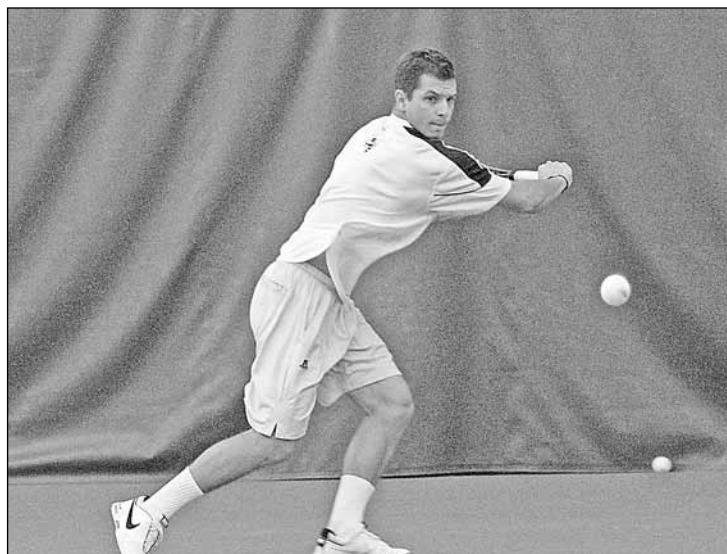


Photo by John Nakano / Student Publications

Dusan Miljevic aims to hit a strong backhand in Tech's first match of the season. No. 93 ranked Miljevic won in straight sets, 6-1, 6-1.

ond point of the day.

Potvin was next up for the Jackets and he, unlike Gomez, won the second set by a wide margin, after he had some struggles in the first set. He eventually won 6-2, 6-0. Potvin's win meant that the Jackets were only one point away from winning the match.

No. 48 ranked Spir took the match-clinching fourth point from USC Upstate's Pasquale in the player's second meeting of the day.

The first set was hard fought with each player unable to break the other's serve. Finally, Spir edged out a 6-4 win in the first set, and used his momentum to propel himself to an easier second set, 6-1.

King, sophomore Magin Orti-

ga and No. 93 ranked junior Dusan Miljevic won their respective matches to add to Tech's point total, and seal up the sweep.

The Jackets used their quick start in doubles and their ability to not get broken thanks to their great serves to seal the match.

"We started off well in doubles and in all three doubles matches the first serve percentages were high... We were out there working together as teams and that is going to pay off as the season goes along," said Head Coach Kenny Thorne after the matches.

The Jackets will look to continue their stellar team play in their next match on Jan. 23 when they travel to Colombia, S.C. to take on the No. 56 ranked South Carolina Gamecocks.

Track competes in Kentucky Invite

By Wayne Bishop
Contributing Writer

On Friday Jan. 14, Tech's track and field team headed to the University of Kentucky to compete in the Kentucky Invitational. The meet would last from Friday night through Saturday evening and host 12 men's and 14 women's teams.

Tech finished the invitational with 13 top-10 finishes. Eight of these top-10s came from the field team.

The Jacket's lone first-place finish came from the field team courtesy of senior Joanna Wright. Wright won the pole vault with a height of 3.85 meters. This would be her third straight win in the event. Senior Erica Penk grabbed a top-10 in the pole vault as well capping out at 3.70 meters to clinch fifth place.

Junior Aaron Untenberger tied for second place in the pole vault with a height of 5.05 meters for the men's team.

Both the women's and the men's team did well with their jumping squad. Junior Jhanelle McLeod took fourth place in the triple jump at 12.39 meters, just beating out freshman Julianne McKee who finished in fifth place with her season best of 12.35 meters.

Junior Mykhail Chambers took seventh place in the high jump at 2.04 meters for the men's team. Freshman Jonathan Gard-

ner managed eighth place in the men's triple jump with a jump of 14.41 meters.

Five of the 13 top-10 finishes were found on the track. After junior Melanie Akwule and senior Leslie Njoku made it to the 60-meter hurdle finals, Akwule walked away in eighth place with a time of 8.53 seconds. This was .06 seconds slower than her season best run during the preliminaries. Though Njoku was able to improve her time from 8.77 to 8.63 seconds she was only able to come in 12th.

The men's team also got another high placing from junior Paul DeVito in their 60-meter hurdles. DeVito finished in ninth place with a time of 8.45 seconds.

Moving from the 60-meter hurdles to the 60-meter dash, three of Tech's women runners made it to the finals. Senior Jenae Anderson, senior Taylor Davidson and sophomore Perron Jones took 11th, 18th and eighth respectively. Jones not only ran a 6.89 in the 60-meter dash but a 22.24 in the 200-meter dash. This 200-meter dash run was a season best and gave him seventh place in the event.

The last top-10 finish of the day came from senior Mark Mendrek-Laske in the 3000 meter run. Mendrek-Laske placed ninth with a time of 8:23.80.

Tech will return to Kentucky for another invitational on Jan. 28 and 29 after a weekend off.

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Defense carries men's hoops to two ACC wins



Photo John Nakano / Student Publications

Iman Shumpert dribbles past defenders in Sunday's game versus UNC. Shumpert had a game-high 30 points in the Jackets victory.

By Alex Sohani
Assistant Sports Editor

After a two-game skid to start their conference schedule, the Jackets were looking to rebound in consecutive home games against UNC and Wake Forest. In its return to the Thrillerdome, Tech would post up two strong defensive performances, winning both games by large margins. Tech hosted the Tar Heels on Sunday Jan. 16, winning 78-58, and Wake Forest on Wednesday Jan. 19 winning, 74-39.

The UNC game started off with the Jackets getting hot. Junior guard Iman Shumpert and sophomore guard Glen Rice Jr. scored eight of the Jackets' first

10 points, and Tech started the game off with a 10-2 run. The Tar Heels, however, were not satisfied with the play of their starters, and subbed out all five of them, putting in their respective backups. With the bench on the court, the Tar Heels posted an 8-0 run of their own to tie the game.

The game continued the trend of back-and-forth runs through the first half. The Jackets went on a 12-2 run immediately after the Tar Heels tied the game only to see the Tar Heels respond with big plays inside the paint. With under four minutes in the half, it was a four point game with Tech on top, 31-27.

"After the first two baskets, and Glen got his first two baskets,

it sort of felt like the rim was big, so I just wanted to keep going," Shumpert said.

To cap off the half however, the Tar Heels would only allow two more points and brought the game within reach on a tip shot with four seconds left in the half. Heading into the half, the Jackets were barely onto holding their lead, with just a one-point advantage at 33-32.

The second half didn't appear to start much differently than the first. Both teams began with nice runs, starting with an 8-1 run by the Jackets, followed by a 6-0 run by the Tar Heels. Then, with just over 11 minutes in the half, Tech began separating itself from UNC with a defensive plays from Shumpert, along with solid perimeter shooting from Rice who went four-of-seven from beyond the arc.

Shumpert had 30 points, along with three blocks and two steals, while Rice had 24 points. Both tied career highs in points.

"When you play UNC, everyone feels like they're the underdog. So they have to come out and play hard every time. Everyone sort of gets up to play them," Shumpert said.

UNC had no answer for the defensive play of Tech, as they struggled to get any kind of offense going. The Tar Heels were held to 20 percent shooting in the second half, with a game percentage of 27.6 percent, their lowest in over 50 years.

To make things worse for the Tar Heels, Tech's offense was clicking, running memorable

plays, such as a quick pass from Shumpert, to freshman center Daniel Miller, who quickly passed behind himself to Rice for an easy lay up.

At times, Tech allowed UNC to cut the lead by a few points, but in the end, the Jackets maintained their separation and won by 20 points, 78-58. The only weakness for the Jackets was from the free throw line, shooting seven-of-12 for the game.

"I hope that this game makes them all understand that, especially the bigs, that if we execute and screen and get Iman and Glen open, they are going to make shots," said Head Coach Paul Hewitt.

The Wake Forest game started out looking like an even match, with both teams exchanging the lead seven times in the first four minutes. Then, Shumpert took the game into his own hands, and rattled off a 7-0 run by himself to bring the score to 13-7. Tech would only continue to build on this lead throughout the game, with plays from both Rice and Shumpert. Each scored 15 points in the first half.

The Jackets were shooting well from the three-point line in the first half, making five of their nine shots from beyond the arc. Tech also rebounded well, grabbing 50 total boards. This was well above their average of 36.4 rebounds per game. However, Tech committed 13 turnovers, barely below their season average of 13.6.

The Demon Deacons could not get anything going in the first half, with the Jackets stealing the

ball four times and getting three blocks. Wake was held to 30.3 percent shooting in the first half, and was only one-of-seven from the three-point line. Tech went into halftime with an 18-point lead, up 44-26.

The Jackets came out in the second half with adjustments on defense and slowed down Wake Forest's offense even more. The second half was highlighted by exciting plays on offense and defense from the Jackets, including a fastbreak dunk by freshman guard Jason Morris after an assist from Shumpert. Rice also had an impressive second half, making

See **Defense**, page 20

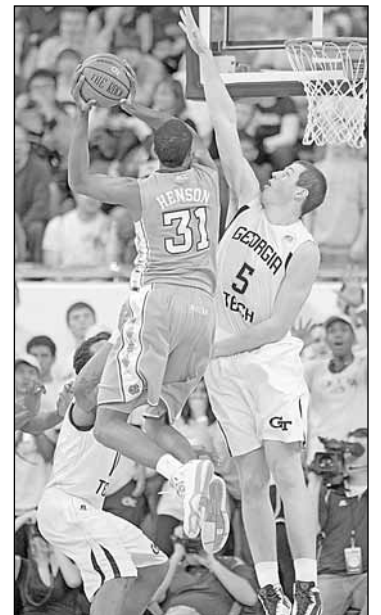


Photo by Thein Huynh / Student Publications

Daniel Miller attempts to block a shot against North Carolina.

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BUZZ INTO OVERTIME

YOUR GUIDE TO WINTER SPORTS

By Alex Mitchell
Sports Editor

Since the last issue of the *Technique*, many of Tech's student athletes have been continued practicing and competing in their respective sports. Most of Tech's teams looked like they suffered holiday hangovers. Still, there were some highs (and lows) in an otherwise uneventful winter break.

For starters, the Tech football team took on Air Force in the Independence Bowl on December 27. The game featured the two best rushing attacks in college football, and it was expected to be a shootout. However, the game featured sloppy play by both teams as Air Force only mustered 170 rushing yards and Tech turned the ball over four times. Three of those turnovers came in the second half, and that was enough for Air Force as they won the game, 14-7.

The game was the last game of the season for many of Tech's players, but two Jackets will be playing in all-star games later this year. Senior B-back Anthony Allen will compete in the Senior Bowl on January 29, and senior cornerback Mario Butler will play in the East-West Shrine Game on January 22.

Junior safety Jerrard Tarrant and junior offensive tackle Nick Claytor decided to forgo their senior season at Tech and head to the NFL. Tarrant played in 27 games as a cornerback, safety and punt returner, while Claytor played in 16 games on the offensive line. Both were some of the most experienced players at their respective position.

The men's basketball team did not fare well over the break as they lost four of six games. The team notched a big win over potential NCAA Tournament team Richmond in the Bahamas but lost the following game to a lowly Sienna team that was under .500 going into the game.

After a win over Mercer at home, the Jackets proceeded to lose their next three games, two of which were against conference foes. The third loss was a 25-point route in Clemson in a game that saw the Tigers shoot 86 percent in the second half.

One of the bright spots for Tech athletics had to be the surprising strength of the women's basketball team. Following their win against Georgia before the break, the Jackets won their next seven games to extend their win streak to 13 games.

After a trip to the northwest U.S., the Jackets returned home to put up 101 points against Mercer one night and then held Tennessee State to just 11 points two days later. The 101 points was the highest total under Head Coach Michelle Joseph, and the 11 points is an NCAA record for the fewest points in a women's college basketball game. Tennessee State made no field goals in the first half, scoring only three points, and shot 3-50 from the field for the game.

The team has already won their first four conference games of the season for the first time in school history, but the true test will come on January 21 when the team travels to Durham to take on the No. 3 ranked Duke Blue Devils.



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MEN'S BBALL 12/18

67-54 Win v. Richmond

WOMEN'S SBBALL 12/30

82-11 Win v. Tenn. St.

WOMEN'S BBALL 12/28

101-44 Win v. Mercer

WOMEN'S SBBALL 1/06

71-70 Win v. UNC

MEN'S BBALL 12/22

62-57 Loss v. Sienna

MEN'S BBALL 1/2

86-83 Loss v. Charlotte

FOOTBALL 12/27

14-7 Loss v. Air Force

MEN'S BBALL 1/12

87-62 Loss v. Clemson