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Pac-Man 1980 • NAMCO/MIDWAY	Donkey Kong 1981 • NINTENDO	Super Mario 1985 • NINTENDO	Sims 2000 • MAXIS	Halo 2003 • BUNGIE STUDIOS
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THE EVOLUTION

THE GAMING INDUSTRY HAS MADE GREAT STRIDES SINCE THE BIRTH OF PAC-MAN 25 YEARS AGO, AND THE UNIVERSITY IS ON THE FOREFRONT

Elsa Youngsteadt
Correspondent

The year was 1981: Ronald Reagan was president, Americans were nervous about Soviet nukes, "Dallas" was the top TV show and a hungry little yellow disc named Pac-Man began to gobble his way into the soul of popular culture.

Pac-Man was an unusual game for its time, leaving an indelible mark on gaming culture, but it did not halt game evolution.

Games have changed spectacularly over the past 25 years, and the Computer Science Department is at the forefront of these changes, designing ever more flexible and responsive virtual environments.



In the beginning
The earliest video

games were anything but flexible and responsive. Rather, they were based on fixed algorithms that provided the player with extremely limited choices.

In this sense, Pac-Man was no exception.

Using a single joystick, the player guided the little yellow hero through a two-dimensional maze populated by four big-eyed mop-head ghosts, Inky, Blinky, Pinky and Clyde.

To win, Pac-Man had to navigate the entire maze, gobbling up dots and fruits, without running into one of the moving ghosts.

Despite its simplicity, Pac-Man differed from other games of the era in two important ways that account for its popularity and economic success.

The game incorporated an identifiable protagonist and was based on a non-violent plot premise.

"Pac-Man was the very first

video game with an identifiable character, and you can market to that character," Michael Young, professor of computer science, said. "Lots of games at that time were much more conflict-oriented, but the designer of Pac-Man specifically wanted to create a nonviolent game."

The designer of Pac-Man was Toru Iwatani, a young college graduate working for the gaming company Namco in Japan.

According to Steven Kent, who chronicles the invention of Pac-Man in his book *The Ultimate History of Video Games*, Iwatani was interested in developing a game that would appeal to female game enthusiasts.

Pac-Man's benign physical form was inspired by a pizza with a missing wedge, and his name came from the Japanese expression "paku-paku," meaning "to flap one's mouth."

The English translation was originally spelled "Puck-Man,"

but was modified to prevent vandals from converting the "P" to an "F."



Remembering Pac-Man

Some students remember Pac-Man with enthusiastic nostalgia, others with lukewarm shrugs, but the impact of the game has not been forgotten.

Arnav Jhala, a doctorate student in computer science, was a high school student in western India when Pac-Man fever hit. He said he always had enjoyed playing games on the original Atari and Nintendo consoles.

Later, writing games became the perfect outlet for his programming interests.

He designed Pac-Man wallpaper for his computer and created his own version of the game when the assignments in his C programming class didn't provide enough of a challenge.

Erin Morrison, a senior in art and industrial design, said she remembers playing Pac-Man — one of the few video games she really liked — at a friend's house in elementary school, and even had a Pac-Man watch.

"I would like to see games like Pac-Man come back — games that are not violent and don't project a negative image onto society," Morrison said.

Although the golden age of arcade games has faded with the rise of sophisticated home gaming technology, classics like Pac-Man are still a draw.

Jillian's, a bar and restaurant in downtown Raleigh, has one of the largest video arcades in town, including the 80's classics Ms. Pac-Man, Frogger and Centipede.

"People come here especially for the old games that you can't play at home," Chastity Lupton, assistant general manager at

PAC-MAN continued page 2

GREEK LIFE

Greek budget suffers

Haley Huie
Deputy News Editor

Hazings, suspensions, vacancies and renovations cast a shadow over the Greek Life budget for the 2005-2006 proposed plan.

The past school year has been tumultuous for the Greek community, with several chapters facing suspensions, Code of Student Conduct violations and the closing of chapters.

John Mountz, director of Greek Life, pointed to vacancies on Greek Court as the main reason that the revenue generated by the department would be less than when the court is operating at full capacity.

"Our budget allows us to do the things that we need to do," Mountz said. "But we're not able to do all the things that we'd like to do."

Mountz, who described the projections as "a tight budget," said the department will continue to provide the appropriate services, but has planned to combine or eliminate certain activities in order to provide for the loss of revenue from Fraternity Court.

The Department of Greek Life has planned to combine several leadership programs into one to save money from the area of state-appropriated funds.

"We've basically cut back all non-critical expenditures in Greek Life for the next year," Mountz said.

One area that Mountz said he is most interested in improving is the leadership skills necessary to promote recruitment.

Mountz said that many of the workshops and conferences that the Greek leaders will be involved in over the upcoming year deal with ways to maximize enrollment in the Greek organizations on campus.

The residences on Fraternity Court provide the income that sustains the housing units, maintenance and necessary renovations. Another area in the budget accounts for state appropriated funds, allowing the department to design a budget to sustain programs and activities for the entire department, including those located off-campus.

The total revenues from the

GREEK continued page 3

House vote may affect textile industry



DR-CAFTA Timeline

January 2004 NEGOTIATIONS FOR DR-CAFTA BEGIN
December 2004 - January 2005 DR-CAFTA COMPLETED
May 28, 2005 DR-CAFTA IS SIGNED IN WASHINGTON, D.C.
June 30 SENATE VOTES 54-45 IN FAVOR OF DR-CAFTA
July 15 BUSH VISITS A TEXTILE FACTORY IN BELMONT, N.C. TO SOLICIT SUPPORT FOR DR-CAFTA
This week HOUSE IS EXPECTED TO VOTE ON DR-CAFTA

Trade talk may affect future of textiles

Erin Welch
Deputy News Editor

The House of Representatives is expected to decide on an agreement this week with the potential of impacting the entire textile and apparel industry.

Supporters and critics disagree on the extent of this impact, dividing the textile industry both in the nation and at the University.

The Dominican Republic-Central American Free Trade Agreement proposes a duty-free zone which would cover the United States, El Salvador, Nicaragua, Guatemala, Honduras, Costa Rica and the Dominican Republic.

Modeled off of the North American Free Trade Agreement, which created free trade between the United States, Canada and Mexico in 1994 and took seven years to negotiate, the DR-CAFTA only took the span of one calendar year to be negotiated between participating countries.

"CAFTA is not a new phenomena," Nancy Cassill, a professor

in the College of Textiles, said.

She said the agreement is an extension of prior trade regulations in the Caribbean Basin Trade Partnership Act of 2000.

"What makes CAFTA different is that it is a two-way trade," Cassill said.

The implications of DR-CAFTA, however, are ones which could benefit or hurt the textile industry, potentially affecting the future jobs and careers of numerous textile majors.

However, Mark Clapp, a junior in textile engineering, said graduates have not had any trouble finding jobs in the industry.

"We're moving away from the traditional textiles, which is what is going overseas. We're being trained more for special industries," he said.

Yet some of the textile industry still stands to be altered by the DR-CAFTA decision this week.

After narrowly passing through the Senate on June 30 with a 54-45 vote, the DR-CAFTA will now head to the House of Representatives for a vote expected to occur this week.

Despite being signed in Washington, D.C. on May 28, the DR-CAFTA cannot go into effect until it is passed in both the

Senate and the House, as well as the National Assemblies of the other participating countries.

"Basically the issue relates to jobs and revenue," Cassill said.

However, both sides of the issue disagree on what benefits and consequences the DR-CAFTA may bring.

Supporters of the DR-CAFTA claim that the agreement will aid in bringing more jobs and business to the textile industry, which has a strong presence in North Carolina.

Because many U.S. companies face high tariffs on exports to these Central American countries, which do not face similar tariffs when selling to the U.S. market, supporters say the DR-CAFTA will level the field for exporting and importing goods.

Cassill said from the proponent's point of view, the United States is doing a lot of textile business in Central American countries and in the Dominican Republic; she said supporters don't want to lose that business and said they feel the DR-CAFTA will help the United States retain their business with these countries.

DR-CAFTA continued page 2

SIDE SPEAK:

Pros and cons meet head-to-head on the DR-CAFTA

Pro

► The DR-CAFTA will open up more markets for U.S. textile companies

Con

► The markets opened up by the DR-CAFTA are those of lower economic levels which cannot afford the products of U.S. companies

Pro

► Because many Central American/Dominican Republic manufacturing companies purchase raw materials from the United States, the DR-CAFTA will increase business for these companies, therefore increasing business for the U.S. companies selling raw materials for textiles

Con

► The DR-CAFTA will encourage U.S. textile companies to relocate to Central American countries because of the lower labor costs

Pro

► The increase in business in the United States from Central America and the Dominican Republic will create a larger demand for exports and will create the need for more jobs

PRO-CON continued page 2

insidetechnician



Creating a scrumptious art
Junior gymnast Rachel Katz is designing cakes for Hillsborough Street sweet-tooths. See page 8.

science & tech	4
viewpoint	5
classifieds	7
sports	8

weather today	tomorrow
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PAC-MAN

continued from page 1

Jillian's, said. "We see everyone from children to people in their 50s play the games here."



Gaming today

Pac-Man may evoke warm memories of after-school arcade tournaments, but gamers are constantly in search of new virtual challenges. In response to these evolving

demands, both the gaming industry and gaming culture have changed in the past 25 years.

Game design has become increasingly streamlined, hit-driven and "conservative" as the gaming economy grows, according to Young. Because of the high cost of game production, companies are more likely to issue games that are sequels to previous hits, rather than risk marketing unusual new games.

For the same reasons, it has become harder for independent game designers to sell a game without backing from a major

studio.

"In the past, five guys in a garage could design a game and take it to a producer," Young said.

According to Young, a single game can now require up to two years of work by 150 individuals, and an investment of \$150 million. The game industry continues to grow by 20 to 30 percent per year and has topped Hollywood's income for the past six years. Worldwide, video games are a \$10 billion industry.

The Entertainment Software Association reports that U.S.

shoppers spent \$6.2 million on video games alone — not including consoles or computers — in 2004. The increased expense of games reflects their increased complexity.

Technology now available for creating and displaying games allows designers more freedom in inventing intricate plots, landscapes and interactions that satisfy gamers' evolving demands.

Whereas early games like Pac-Man were restricted to a fixed two-dimensional landscape, new landscapes appear three-dimensional and can be explored and

viewed from multiple angles.

As games have advanced, so has the social environment in which games are played. Massively multiplayer online games, for example, may simultaneously incorporate hundreds of players from all over the world.

"Massively multiplayer games are like an alternative social world," Jhala said. "Maybe you're alone in a closed room, but you're conversing with hundreds of people."

Young also has observed that gamers don't play in isolation, and that social interactions with

teammates and competitors, online or in person, are what make games rewarding for young and mature players alike.

"There's this image of a 14-year-old boy in the basement, alone, playing video games, but that image just isn't accurate," Young said.

In fact, according to the ESA's 2005 consumer survey, the average game player is 30 years old. Gamers are 56 percent male and 44 percent female, and most of them get out of that basement

FUTURE continued page 3

PRO/CON

continued from page 1

Pro

Textile companies that would not be able to compete in industry have been lost already

Con

Many textile jobs will be lost due to relocations and the textile industry will face similar job loss statistics to NAFTA

Pro

The DR-CAFTA is a means of keeping jobs in this hemisphere and give the United States an alternative to purchasing goods from China since the goods will be produced in closer proximity

Con

DR-CAFTA will increase the trade deficit, smaller textile companies will not be able to compete in the industry

Pro

From a safety and terrorism point of view, the DR-CAFTA will ensure the development of countries close to the United States

Con

Asian firms are already in Central America

-Compiled by Erin Welch

DR-CAFTA

continued from page 1

However, Cassill pointed out that as far as the DR-CAFTA is concerned, the pros and cons are considerably balanced.

Supporters and critics see the same issues within DR-CAFTA through different angles.

According to Cassill, one plus is that the DR-CAFTA will open up more markets for U.S. products; yet critics say these markets are at such a lower economic level than the U.S. that they wouldn't be able to afford the products.

Many textile companies in Central America purchase their materials from the United States. Supporters say because of this, the DR-CAFTA will increase exports of these materials into Central American countries, creating more jobs and a larger market for textile materials in the United States.

According to Cassill, 60 to 90 percent of garments made in Central American countries are manufactured from companies that purchase their products from the United States.

Only 1 to 3 percent of garments made in other countries, such as China, are made from materials bought from the United States.

"When you open up trade there is always the risk of job losses."

Nancy Cassill, a professor in the College of Textiles said, referring to the increase in purchases from other countries.

On the pro side, supporters see the DR-CAFTA as a means to keep jobs in this hemisphere for U.S. companies.

On the con side, Cassill said talk is mostly about the issue of job losses.

"When you open up trade there is always the risk of job losses," she said.

As far as future jobs for textile students at NCSU, Cassill said the outcome of the House's vote on the DR-CAFTA should not have a large effect.

"We have lost a lot of the production jobs, and many, but not all, are more of the semi-skilled level with lower education requirements," Cassill said. "The jobs that have been maintained and kept in the United States are the more white-collar jobs. Those are the jobs we prepare our students for."

Director of advising and admissions for the College of Textiles Philip Dail agreed that the decision on DR-CAFTA will not directly affect textile students in their future careers.

"Most of our students are not going into jobs that would be

directly related to what takes place in Latin America. Those jobs there are predominantly the mill jobs, the cut and sew jobs," Dail said. "If it did anything, I would see it improving them, not hurting them."

Despite job losses in certain areas of the industry, the College of Textiles is expecting the highest enrollment numbers ever with 191 incoming freshmen.

For the past academic year, the college has seen a 93 percent job placement figure for graduated textile majors accepting employment positions and expects that figure to be up to 95 percent by August.

Dail said the high job placement figures for the College of Textiles occurred because textile students are in so much of a technical field and can apply their management skills.

For Clapp, who is looking to a career in medical textiles, the textile industry is one of specialized markets.

"I'm looking more to work with textiles inside the body, things you really wouldn't think of in normal textile applications,"

Clapp said.

He said the College of Textiles is preparing students for more specialized markets, such as the medical textiles in which he is interested.

If the DR-CAFTA passes, Cassill said it would most likely affect textile companies in different ways.

"There will probably be some companies that will not be able to stay in business and some that will be able to expand their business," Cassill said. "There will probably be some winners and some losers."

In the meantime however, textile students can prepare to study the effects of the DR-CAFTA in the fall semester.

The College of Textiles brought proponents and opponents of the agreement to campus in February in a forum designed to help educate students about both sides of the DR-CAFTA. Whether the agreement goes into effect or not, Cassill said textile students are focusing on more global concepts in their field.

"In our curriculum, we're doing more global aspects because

our industry is more global," Cassill said.

She also said this fall, her classes will spend a lot of time talking about trade issues and specifically addressing the effects of the DR-CAFTA on the textile industry.

"The entire college right now is developing a global program... and the response to that emphasis is more and more in the actual degrees," said Dail, referring to the additions of three new textile majors which focus on more global and management issues.

"We have a really broad base of education for these students," Dail said.

The emphasis of these three new textile majors is aimed at better preparing textile students for the industry positions they will enter upon graduation. Dail said much of the global emphasis in textiles is placed within the textile curricula.

"We are putting a lot more emphasis in the actual classrooms, in the actual courses. You don't have to leave North Carolina to be very involved in global activities," Dail said. "It is interesting that so many people, when you say the word global, think of a plane ticket and a suitcase, but that isn't the case."

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FUTURE

continued from page 2

to exercise at least 20 hours per month.

The future

At N.C. State, the Department of Computer Science is making sure that gamers won't get bored with their current options.

Young and Ihala are researching ways to incorporate artificial intelligence into games, creating a whole new wave of gaming experience. Even in today's

relatively complex games, all possible choices and outcomes must be scripted explicitly into the game software, leaving the player limited options for how to interact with the game. However, games based on artificial intelligence would adapt and learn in response to the player's actions and certain general rules, leaving the specific options for game play wide open, according to Young.

In addition to his research on artificial intelligence, Young teaches a class in game design, CSC 481. Targeted at juniors and seniors, the class is a capstone ex-

perience in which students learn principles of game design and programming, then form teams to create their own new games.

Nick Darnell, a senior in computer science, took the class last spring, and led a team that designed a game called "Wide Asleep."

In this game, a 12-year-old boy is trapped in a nightmare and has to battle monsters to escape the dream only to awake and discover that he has been the subject of research on sleep-enhancing pills. The boy's escape from the research company is the final

level in the game.

Darnell said he is interested in a career in game design, but notes that it is a difficult field to enter.

Game designers typically start as tools programmers or game testers for gaming companies, and may eventually be lucky enough to climb the ladder to a position in game design.

Nonetheless, the career appeals to Darnell.

"It allows me to build what I want," Darnell said.

He said he would like to see more programs that empower

players and amateur designers to build their own games, too.

A few unusual computer games like Half-life and Unreal Tournament come with tool sets that allow users to create an all-new game by modifying the original. This will be good news for many gamers, who long for more options in customizing their games. Matt Bertone, a gaming enthusiast and doctorate student in entomology, likes games that allow the player to add personal touches—to "paint" his own race car, or design a character that resembles himself—but said he wishes

that more games could be more individualized.

"I would like to see something really different, something really out there," Bertone said.



GREEK

continued from page 1

Greek Life auxiliary enterprises budget comes to \$1,319,963, a figure very close to the expected \$1,311,735 in total expenditures.

According to Mountz, the budget plan is based on having three vacant houses on the University-owned Greek Court, located off of Western Boulevard.

Each vacant house means a loss of approximately \$110,000, Mountz said, adding that "Greek Court is entirely revenue-supported."

Mountz said that more than \$8 million has been spent on renovations since 2002.

Mountz's long-term plans for Greek Life's budget includes renovations to other Greek properties, and landscaping for the

court.

These changes will be made after the 2006 fiscal year, Mountz said.

Sigma Nu, Sigma Alpha Epsilon, Kappa Alpha Order and Sigma Phi Epsilon account for the fraternities that are currently suspended or have lost University recognition.

Mountz said that Sigma Phi Epsilon has been working to recolonize, and is the fourth house that may be vacant on Greek court for the upcoming year.

Kappa Alpha Order is working to appeal a judicial suspension for their chapter, but Mountz said that he anticipates that the house will be unfilled this fall.

Cole Taylor, a first-year graduate student in the masters program who serves as the graduate assistant for the department, said she is "not extremely concerned."

"Nine times out of ten if a group was removed, it was probably necessary," Taylor said.

She said that she sees the empty houses as "a huge financial loss," but that the department has reformatted parts of its budget plan to redistribute funds normally allotted for travel, conferences and renovations to provide for requisite operations, such as maintenance.

The upcoming fiscal year began in July, and was submitted to the University Budget Office in the spring.

"Technically, our budgets are not approved until the State of North Carolina budget is approved," Peter Burke, the associate director for finance in University Housing, said.

The passing of the state's budget, which has been a topic of heated debate over the past several months, has been delayed

past its July 1 deadline.

University officials expect the N.C. General Assembly's budget to be resolved by the July 31 final deadline.

Jay Stone, a senior in business management, and vice president of Sigma Alpha Mu, pointed to recruitment as an issue that he feels needs to be resolved within Greek Life.

Sigma Alpha Mu was forced to vacate its residence on Fraternity Court in 2003 following a violation of regulations and decrease in membership.

"Until Greek Life is able to provide adequate housing that represents the member sizes of chapters, it will most likely continue to struggle," Stone said. "Greek Life will have to conform to the changing nature of fraternities and sororities on campus to be successful in the future."

Fred Duyck, a senior in agri-

cultural business management and president of Sigma Pi, noted concern over the ability of the department of Greek Life to be able to support programs with a strain on funds.

Sigma Pi has always been located off-campus, and "considered moving on campus, but it was too expensive," Duyck said.

The decentralization of a portion of the Greek organizations is a concern for Duyck, and he said that having fraternities and sororities spread over a larger area does not promote a sense of community.

According to Duyck, the number of students have almost been cut in half over the past 10 years.

Sigma Pi, which currently has 25 members, rebounded from having only 10 to 15 in recent years.

With the number of members

down in certain chapters, some organizations have been forced to move off campus.

Duyck said that the regulations imposed by Greek Life have "taken all the fun out of Greek Life. It takes away the community."

Jeff Skalka, Interfraternity Council president, said that the vacancies on Fraternity Court are a concern of the IFC.

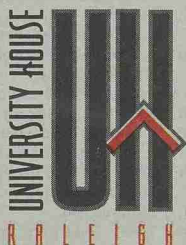
"We have great programs in place to raise recruitment and promote Greek Life," Skalka said. "We're working hard to fill the houses."

Women's organizations are seeing gains where some of the men's Greek organizations have been receding, leading to the addition of sororities into houses traditionally rented by fraternities.

Delta Zeta will be moving into the former Sigma Alpha Mu house, with Pi Beta Phi, a recently colonized women's sorority signing a lease for the Delta Zeta's previous residence.

Mountz also said that the University is considering the addition of two new Panhellenic sororities over the next four years if enrollment in women's organizations continues to grow.

In an effort to save additional money, Mountz said that the department has looked into having Greek organizations share housing if the number of members permits.



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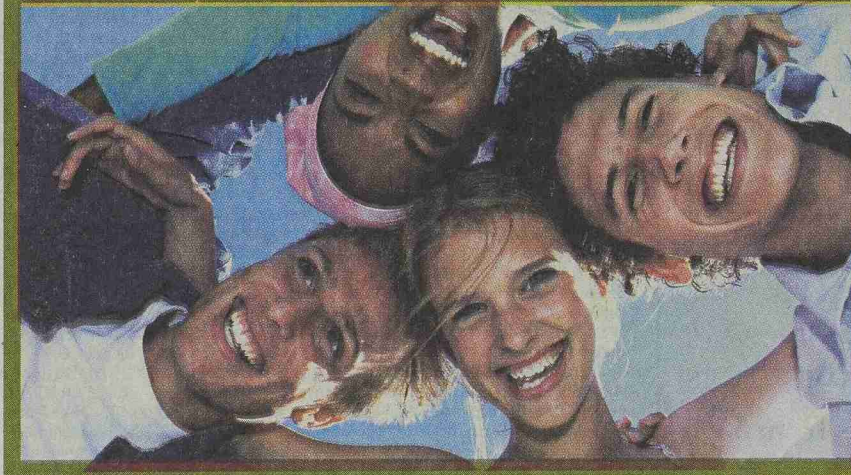
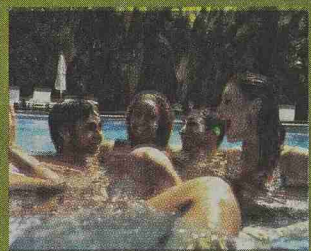
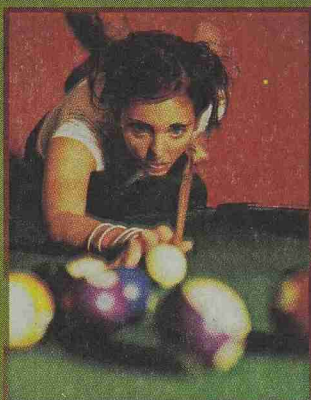
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Robots fly by competition

THE AERIAL ROBOTICS CLUB CREATED AN AUTONOMOUS FLYING VEHICLE PLACING THIRD IN MARYLAND COMPETITION

Matt Wilson
Staff Writer

According to Dan Edwards, it's a problem the aerospace industry spends millions of dollars on: making a fully autonomous vehicle capable of flight.

This was also the challenge a group of N.C. State students have been working on.

The Student Aerial Robotics Club placed 3rd overall at the international Student Unmanned Aerial Vehicle Competition, hosted at Patuxent Naval Air Station in Maryland.

According to Edwards, a senior in aerospace engineering and president of the Aerial Robotics Club, unmanned aerial vehicles are on the cutting edge of technology and the club is helping to push the envelope.

The team began their work last August when the details of this year's competition were announced. With the experience of two previous competitions, the team had several ideas for the vehicle's design.

"We've pretty much had a lot of ideas that have been going

around. We've worked to expand upon those," Adam Propst, a senior in aerospace engineering and the club's vice president, said.

Apart from the basic requirement of having an autonomous flying vehicle, this year's competition required teams to build a vehicle that could detect a series of targets and stream back live imagery.

The targets ranged in size from 4 feet by 4 feet to 8 feet by 8 feet, and had letters, numbers and special shapes painted on them. One target was a mannequin of a downed airman, complete with flight suit and parachute.

"[The downed airman] was kind of a difficult target to find," Propst said. "It was close to the edge of the no-fly zone."

Both the take-off and landing could be done manually, but the rest of the flight had to be done autonomously via software onboard the vehicle.

"Takeoffs and landings were done manually, by an external pilot under standard remote control," Edwards said.

According to Propst, the com-

petition entailed a degree of secrecy.

The team's newest feature, a system to overlay a latitude and longitude grid on the live video, was something they wanted to keep secret.

"That's something we didn't want other teams to see," Propst said.

Building a flying robot required a large budget. One of Propst's roles was to find sponsorships and obtain a budget, one that eventually grew to \$24,000.

Apart from applying to Student Government and other on-campus organizations, Propst also called the manufacturers of the equipment his team needed.

"I called them up and explained our situation," Propst said. "They had a kit we needed to build the airplane."

Edwards credited the team's success to the many sponsors, including Boeing, Hobby-Lobby, Malcom McAllister, Micropilot, Square D, the Department of Mechanical Engineering, Engineers' Council, MAE Flight Research and Student Government Association.

"Without our sponsors, none of our ideas would ever make it into reality," Edwards said.

With sponsorships and a budget, the club proceeded to construction in September with a modified Telemaster airframe.

As new components were built and became available, the team

began a rigorous testing process.

"You build whatever component you need, then we test in the lab as much as we could. But unfortunately a lot of the equipment had to be tested in the air," Propst said.

For that, the team traveled to the Perkins Airfield in Butner. The airplane would be launched and the team would run through the systems to be tested, sometimes employing multiple flights.

With only weeks left before the competition, the club had yet to finish their vehicle.

"We made several fairly major changes in the weeks before competition. We developed new ideas on safety and we also tried to streamline the wiring," Propst said.

These major changes required the team to put in long hours. "We all worked pretty hard. We actually stayed up until one or two in the morning several nights," Propst said.

According to Cheryl Marek, a senior in mechanical engineering,

the team didn't guess about their success going into the competition.

"We didn't really speculate how we were going to do because there were so many schools there," Marek said.

"[We] expected to do well, though we could not have predicted how well," Edwards said.

Even at the competition, the team's work wasn't finished. Minor wiring issues created headaches.

"We had a lot of different systems in the plane and they all weren't working together. We were able to pull it off but it was a little bit frustrating," Marek said.

Aside from the vehicle's flight, the team also was required to do an oral presentation explaining the vehicle's systems to the judges and to submit a technical paper.

According to Propst, the technical paper outlined the systems so the judges could review the safety of the proposed vehicle.

The hard work ultimately paid off, earning the team a third place win overall and a prize of \$3,000. The team also took first in the oral presentation, technical paper and safety award categories.

Unfortunately, most of the prize money went to paying for the equipment the team had needed for the competition. Still, the team said they felt the win paid off.

"We were just satisfied that our hard work paid off," Propst said.

While the club had no formal celebration for the win, individual members celebrated in their own way.

"I got some sleep because we'd been pulling a bunch of all-nighters," Marek said.

Now that the competition is over, the team already is looking forward to the next one.

"Even at competition, team members were brainstorming ideas for the upcoming year," Edwards said.

"We don't even know what the mission requirements are so we're trying to develop a system that will be versatile," Propst said.

It wasn't all hard work, though. According to Edwards, the team had lots of fun whether hanging out in the lab or going out to dinner together.

"If you're the type of person who likes to tinker with electronics or model airplanes, we offer a constructive outlet and a social group of like-minded people," Edwards said.



ILLUSTRATION BY KATIE GRAY

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Scholars earn financial support

David and Lucile Packard Scholars Symposium discuss challenges when transitioning from HBCU's

Cynthia Marvin
Science & Tech Editor

To some scholars, the transition from an undergraduate program at a historically black institution to a graduate program at a high-profile research university can be stressful.

But one symposium is working with students from all over the country to make that transition as smooth as possible.

Over 50 top black scholars studying science and engineering met in Monterey, Calif. on July 14 to 16 for a conference that focused on their research, but more importantly addressed the challenges they may face when looking for a job or trying to earn a doctoral degree.

The conference is the David and Lucile Packard Scholars Symposium.

"The program is designed to give students who attended Historically Black Colleges and Universities as their undergraduate institution financial support to pursue their doctoral degrees at any institution of their choosing," Alicia Washington, scholar in the Department of Computer Science, said.

These scholars are studying at the nation's top research universities under the David and Lucile

Packard Foundation.

The program was initiated by the David and Lucile Packard Foundation in 1992 and has been managed since 2003 by the American Association for the Advancement of Science.

Of all the students attending the conference, eight will be earning their degrees this year, one being Washington.

There will be more than 40 others pursuing their doctorate degrees.

"It really is an amazing meeting, to see 50 scholars presenting that type of research at such a high level," Linda Alki, program manager with AAAS, said. "It is also amazing because there are few Ph.D.s out there today and even a few number of minorities with Ph.D.s — this is why their achievements are really major."

Alki helps manage the program by organizing meetings, monitoring the scholars' progress and keeping scholars informed of exciting opportunities.

Washington said the program has afforded her a number of opportunities, the first of which being given the ability to pursue her graduate studies without the added stress of financing her education.

"I know many of my counterparts who had to become TA's or RA's in order to receive funding, which included a work requirement," Washington said. "I was able to focus completely on my studies the entire five years I was

a student at NCSU."

According to Alki, the conference is helpful in the sense that it allows students to network through people who have experienced similar challenges. The program also allowed Washington to meet and network with not only other black scientists and engineers, but also other black students who were attending other institutions in different areas.

"There is no other way that I would have been able to build such a network in the past five years without this program," Washington said. "It's great to have other students to discuss your trials and tribulations with, especially since many are experiencing the same things and often, there are few, if any, African-American students in our respective departments."

Washington said she felt that this program allows undergraduate students at HBCU's to realize that they have the academic ability to compete with anyone, regardless of the institution from which they received their bachelor's degree.

"This is a dramatic impact for students furthering their education — [students] not having to worry about where they're going to get money to pay the rent or keep the phone lines on. I just don't know of any other fellowships like that," Alki said. "[Students] can strictly focus on their studies."

Alki said the fellowship allows

students to often complete their Ph.D.s in five years when it usually takes six or seven.

"Looking back in the hindsight, I'm wondering where this opportunity was when I graduated," Alki added.

Washington, a graduate of Johnson C. Smith University, said that she has had many professors who have never heard of the institution, even though it is located in Charlotte.

Because of the program however, she said this was not a deterrent.

"The fact that every graduate is a David and Lucile Packard fellow and is a graduate of an HBCU is encouraging to those students who may be considering pursuing advanced degrees but are unsure as to whether they can succeed," Washington said.

The scholars were joined at the conference by many scientists and educators who faced similar challenges in the past: Norman Francis, president of Xavier University of Louisiana; James Stith, a vice president at the American Institute of Physics; and Shirley Malcom, director of AAAS Education and Human Resources and a 2003 winner of the National Academy of Sciences' Public Welfare Medal.

"This program is an affirmation of the great talent that is present in HBCU's as well as the tremendous job they are doing in preparing young African-American leaders of tomorrow," Washington said.

CAMPUS FORUM

To submit letters to Campus Forum, send your thoughts to viewpoint@technicianonline.com. Please limit responses to 350 words. Technician reserves the right to edit for grammar, style and size.

Nuclear article right on point

The article by Ian Jester concerning the nuclear renaissance is outstanding. Good introduction, excellent use of quotes by relevant individuals, and superb story flow. The information contained in the article not only has detail and depth, but it is also presented clearly. I am interning at Progress Energy this summer and have gained a familiarity with the company, and I am very impressed with the overall quality of this article.

Please give my highest regards to Ian Jester.

Saket Vora
Electrical Engineering
Senior

Johnsie, you can't be serious

First of all, do you not understand that terrorism is an issue and that now days it is the Americans and everything that Americans fought to have in this free land that is the primary target of terror? Without war and proper defense of this great nation, we turn our backs to terrorism and all of our past wars for freedom were fought in vain.

Let me also remind you, Johnsie, that President Bush undoubtedly won the military vote and that the men that are over there fighting this war are obviously in strong favor of President Bush. These American lives that you refer to being taken in this war are the lives of people who enlisted in the military knowing that their duty was to protect this nation and that the military is used to fight wars. What about the American lives that were taken on 9/11?

These are the loss of American lives that I think were innocent. More than 40,000 people die each year from car accidents compared to the 1,723 dead soldiers who died defending our freedom. Might I add that we have been at war for over two years now.

Oh, and how could you even dare to downplay the embarrassing Clinton scandals. This man was a disgrace to the American government and even his own political party. Bill Clinton was a draft-dodging coward who was disbarred from practicing law for lying to a federal judge and was convicted of perjury.

I want you to remember Johnsie, that you are among the minority of American voters with your political party both

state and nationwide. The democratic party is a dying party and is desperate for its last breath of air. In 2004, President Bush received more votes than any other president in the history of the world. Count the red and blue states and compare. Might I also remind you that this is President Bush's second term in office and the American people were obviously satisfied with his leadership of this nation.

What I find outrageous is how you could tongue-lash a man who leads this country with Christian values and beliefs; a man who stood up for this country and took action when he was blind-sided by cowards who hate this nation because of its greatness and freedom; a man who is doing the best he can do with the cards he has been dealt as this nation's president. I suppose that you don't agree with President Roosevelt's actions after Pearl Harbor was bombed December 7, 1941. What would be our situation if he had not taken action?

Please, ponder these ideas and try to realize that this war is being fought for the long-term survival of this great nation.

Chesley Ward
Senior
Science-Fisheries and Wildlife Sciences

Judging the possible judge

Picture the Lady of Justice. It is one of the most recognizable statues in the world, featured in almost every courthouse in the



Johnsie Lang
Staff Columnist

United States. It dates from the ancient Greeks and Romans featuring Themis, the goddess of justice and law who was known for her clear-sightedness.

In one hand she holds a sword to represent the power held by judges. In the other hand, she holds a set of scales — which are representative of the impartiality with which justice should be served.

In the 16th century artists began to show her blindfolded as an attempt to portray that true justice is not subject to influence.

One of the most important things a president does while in office is nominate a Supreme Court justice.

Not all presidents get the honor of this job. In the two hundred years of its existence, our country has had many people sit on this highest court.

Although some of them have not always lived up to the standards of Themis, for better or worse, they have always been the law of our land.

Last week, President Bush got to perform one of the most far-reaching and important jobs of any president: he was called on to nominate the next Supreme Court justice of the United States.

The person he nominated, if approved by Congress, will become one of the nine lifelong members of our highest court. The only thing more powerful than picking a potential Supreme Court justice is being a Supreme Court justice. Many would argue these people are the most powerful in our country.

Both Republicans and Demo-

crats have urged the president to nominate a moderate judge to this position. We were all hoping for someone as independent-minded as Sandra Day O'Connor to fill the post she is leaving but Bush chose to nominate John Roberts for the job.

The job Congress has is not an easy one. In order to vote wisely on the confirmation of Roberts, they must compile a lot of information on him and cases he was involved with in the past.

I was glad to hear they are taking this decision seriously and requesting lots of documents to help them make their decisions. I was not delighted to hear the White House announced on Sunday they would not allow Congress to have these documents they need to make these decisions. Why could this be?

I started thinking and realized this is the same administration that believes they should be allowed access to all your individual information, including what books you check out from the library, but they don't want you to read papers written by a person who could become one of the most influential men in our country.

These papers were written when he was working for the American people in the solicitor general's office. This is not a private letter or a copy of his library record.

Some of my more conservative acquaintances keep saying they don't care about the Patriotic Act because they have nothing to hide. Well, what is this administration trying to hide about Roberts?

I keep thinking of the childhood stories of wolves in sheep clothing who end up tricking the dumb, passive piglets. Even though the current administration wants to keep information about Roberts secret I was able to find out some stuff.

John Roberts has little experience as a judge. He was first appointed by President Bush to the bench of the Federal Appellate in 2000 and instead of a history of judicial im-

partiality, he has a history of being a lobbyist and lawyer consistently representing big business against average Americans.

Where does he stand on environmental issues?

Roberts fought against clean-air legislation on behalf of the National Mining Association, despite the devastating effects on the environment and neighboring communities.

Roberts urged federal courts could not stop mountain-top removal mining in West Virginia.

Where does he stand on civil rights? Roberts worked to keep Congress from defending parts of the Voting Rights Act.

Where does he stand on human rights? As an appeal court judge, he ruled that the Geneva Convention does not apply to some prisoners of war. So much for the blindfold.

Where does he stand on women's rights? He wrote "Roe v. Wade was wrongly decided and should be overruled." He has also shown support for a violent anti-abortion group, in a federal case.

Where does he stand on supporting our troops? He has argued against claims by American soldiers tortured in the Gulf War. Maybe I am out of the mainstream, but I refuse to believe most Americans share the ideals of Roberts. Don't many of you support our troops?

How does Roberts stack up against Themis?

Does your congress think Roberts is the kind of man that will be fair, as judges should be?

Does he have judge-like qualities that are better than any other judge in the country?

This information is what I found out about Roberts. I think that it is your job as an American to decide whether Roberts is right for the job or not. Don't take my word for it. Do your own research.

E-mail Johnsie your judgments at viewpoint@technicianonline.com

TECHNICIAN'S VIEW

GREEKS COULD STAND TO BE MORE ROMAN

OUR OPINION: GREEK LIFE WILL BE CLOSE TO A BUDGET DEFICIT THIS YEAR WITH THE REMOVAL OF SEVERAL FRATERNITIES' DUES FROM LAST YEAR'S EVICTIONS. THIS IS NOT A PROBLEM, RATHER AN OPPORTUNITY TO RE-EVALUATE WHAT IS IMPORTANT TO THEM — AND THEN FOCUS ON THAT.

The Roman Empire was one of the greatest in world history. Why? Because they knew what they wanted, went after it and got it. It was that important to them. Greek Life typically gets what they want, but it's not always of utmost importance.

If Greek Life could sum up the 2004-05 academic year with one word, it certainly would not be peaceful. Maybe "warlike" could fit, "chaotic" nestles a little bit easier — but "controversial" — absolutely. And now, Greek Life is paying for it — literally.

With the three fraternities that were suspended last year for hazing now homeless — at least on Fraternity Row — that significant amount of income puts Greek Life as a whole pretty close to the red. With a fourth fraternity possibly not moving in, the Office of Greek Life is playing chicken with projected deficits.

So, their money is tight, and that's understandable. Most departments, offices, colleges, organizations and students have thin wallets. But there is one lesson that comes out of thin wallets and close calls — spend money wisely.

Now, that's a nice little cliché phrase that has been thrown around since our grandparents bought sodas for a dime, but when push comes to shove and the

money isn't abundant, then people learn how to spend on the most important things. If they didn't know what those were before they were strapped for cash, they either learn pretty quick or go broke being stubborn. So what Greek Life is up against isn't really a problem, per se, but more of an opportunity. In the wake of all those hazing incidents and trials and evictions, it is very easy to become a victim to the circumstances surrounding the situation. However, in this case, Greek Life has the perfect opportunity to re-evaluate its priorities and importances.

With an overextended budget that falls often times into the dues of traveling — priorities could use focus. There is no reason for students to travel all across states "networking" — or whatever it is they do — when there is plenty of issues at home to focus on.

Because what Greek Life is up against isn't a yearly budget crisis (which may be true still), but rather a stereotype. And if all these students traveling doesn't make Greek Life, a fraternity or sorority more unified with the campus, then there is no reason they should go. How important are those trips? Really?

Greek Life doesn't need an empire. It needs to know what is important.

The unsigned editorial that appears above is the opinion of the members of Technician's editorial board excluding the News department and is the responsibility of the editor in chief.



TECHNICIAN

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Cleaning reveals the comforts of home

Greetings from the home-front. I have exciting news for those interested in the world of summer archeology. On my days off from my crappy summer job, I have been deeply involved in an sizable dig through my old bedroom.



Kenneth Ball
Staff Columnist

I broke through the high school sedimentary layer of stuff that had formed during my years away from home. The removal and analysis of this fairly pliable layer was difficult. The newly revealed metamorphic layer of middle school material will prove to be more difficult to handle.

The original purpose of the expedition was to clear the way for a new guest room. By extracting and cataloging various material goods from my former room, I have grouped my finds into different categories.

Several items of historical and anthropological value have been slated for relocation to other rooms. More finds that are reasoned to be in good condition have been cataloged and will be sent to the Salisbury Goodwill for exhibition. The vast majority of materials uncovered

thus far have been deemed useless crap, and will be disposed of via the garbage. The excavation progress hit an unexpected, but welcome, bump in the road last weekend. It came when I opened up the entrance to my closet, where a collection of items from the late elementary epoch was stored. This array of figurines and games has not only opened a window into another time, but has provided a great deal of insight into how these types of toys influenced our development as a college species. The first, and perhaps most universal discovery was my big box of Legos. I describe this box as universal because, if you go to N.C. State, you played with Legos as a kid.

The architectural style evidenced by the colored plastic ruins indicate the presence of a highly advanced society that may have spanned green bumpy squares across the floor. Historical records indicate the demise of this empire was as rapid as its growth; some great cataclysm caused the entire civilization to be dumped into a Rubbermaid box.

By far the most exciting find was a partially intact G.I. Joe General. This giant tank-like vehicle, complete with helicopter landing platforms that convert into missile launchers, was no doubt the supreme expression of my third grade

military might.

These finds, among others have been breathtaking, and have provided valuable insight into the pre-teen era. However, as I mentioned earlier, they have also become something of an obstacle to the progress of my excavation. It seems that in my excitement at finding the toys of my youth, I have become unwilling to part with these items in the name of cleaning out my old room.

They have no place anywhere else in my home and are too beat up to be of any use to Goodwill. However, throwing away these timeless artifacts is completely out of the question. It seems the deeper I delve into my collection, the more interesting the plastic figurines become. Memories of epic battles and romances in days gone by resurface as I dig through smashed spaceships and legless Lego people. Countless deeds of valor are uncovered as I sort a shoe-box of Transformers.

I think we all had an imaginative gift for looking at the big picture when we were kids, a talent that has unfortunately slipped away from us as we have devoted ourselves to higher education and worldly politics. The political clamoring of bodies from Student Government to U.S. Congress seem to pale in comparison to the

adventures of my Batman figurine as he fought crime from a second story balcony. The newest engineering marvel will never be as cool or as complicated as that Lego spacecraft that could slide apart and pick up a dropship. The bloodiest foreign military conflict will never seem as important or as intense as the Joe's battles against Cobra in the fourth grade.

I'm tempted to quit my job, not return to school and play with my action figures for another five years. Instead, I'll just box my old toys up, move them out to the shed and hope no one is the wiser.

What lesson have I learned? Only that the imagination is without a doubt the most powerful and the most fleeting element of the human psyche. When we are in the throes of imagination as kids, the real world exists only to facilitate the epic stories in our heads. As we grow up and become more involved in the real world, the ability to imagine sadly and inevitably fades away. Wow, all of this from emptying my closet. Imagine, if you can, what kind of crap will come up when I start cleaning under my bed.

E-mail Ken your nostalgic childhood lessons at viewpoint@technicianonline.com



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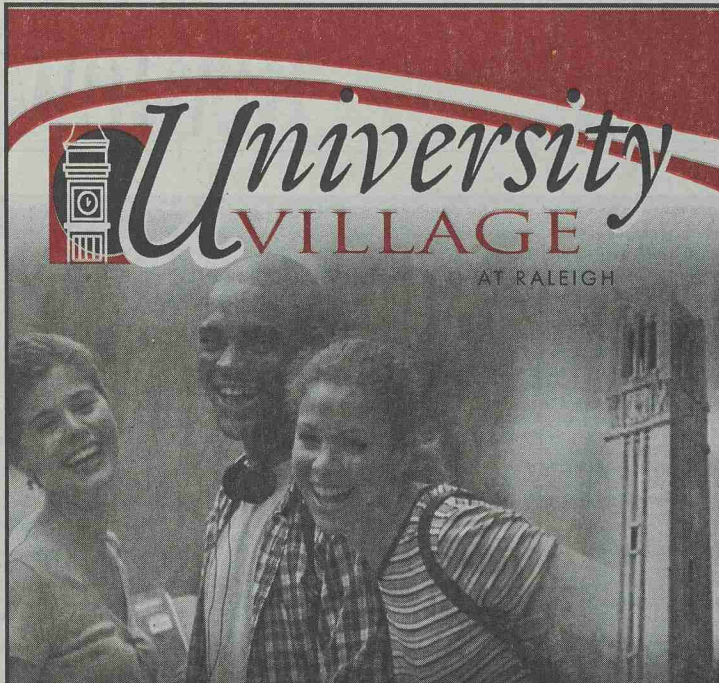
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Dillard's

JOE

continued from page 8

He said that even on the club team, the most advanced cyclists spend five to six days a week on the bike for one to four hours per ride. For professional cyclists, it's more than just a job.

"It's a lifestyle," Kane said. Most cyclists, he said, center everything in their lives to the bike, including their diet, time with family and sleep.

Kane said as a collegiate cyclist he admires many of the underdogs in professional cycling who

don't grab as many headlines as Armstrong but show the same dedication to the sport.

These days, professional sports are filled with negative stories involving arrests, steroids and strikes.

But Armstrong, and unheralded cyclists who persevere just the same, are a diversion from that.

And their efforts merit admiration.

If you want to go on a bike ride with Joe, he can be reached at joe@technicianonline.com or 515-2411.

ART

continued from page 8

was five-layered and cost \$2,200. The bakery's other cakes are far less expensive.

Her love for cakes, however, is not limited to Edible Arts Bakery & Cafe.

"I've made a couple of cakes there, but I make a lot at my own place," Katz said. "At home, I use a cake mix because it's too time-consuming to make a mix from scratch, but I make my own icing. Icing is just a lot of powdered sugar and Crisco. I have big fam-

ily-sized KitchenAid mixer...I'm probably the only college student with a KitchenAid mixer that's going to last me most of my life."

Jan said Katz's character is why her love of baking could lead to a great career choice.

"Rachel is a people person," Jan said. "She thinks about them first, and thinks about what they want. Not just with cakes, but I've seen her do it with lots of things. She looks at what the person likes and then she builds it around them."

"It's not about her ideas, it's about their ideas."

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Display ads: 2 issues in advance at noon
All line ads must be prepaid - no exceptions.



FOR SALE	APARTMENTS FOR RENT	APARTMENTS FOR RENT	CONDOS FOR RENT	DUPLEX FOR RENT	HELP WANTED	HELP WANTED	HELP WANTED
1997 Honda Civic, 98K mi, silver, CD player, sunroof, power windows, cruise control, A/C, 4-door sedan, automatic transmission, in excellent condition, \$7,000. Call 919-624-7355	room. \$250/month plus electricity. Call 787-1076.	4BR/4BA, available August-1st. Ceiling fan and walk-in closet all rooms. Common living room and kitchen w/ W/D. Lake park area. \$1100-per month (\$275-each)+deposit. (919-614-8136) or (252-634-9923)	carpet. On Busline. Pool access. Available immediately, no rent until September. 215-3270.	108-B TURNER ST. 2BR/1BA Duplex, 800 Sq. Ft., convenient to NCSU. Walk to campus. \$595/month. Pets OK. The Preiss Co. 532-1142	8am-2pm. Flexible hours. Fun working environment! Pope's Cleaners at Medlin Drive. 787-3244. EOE	your application please visit www.retrocitygirls.com or call Brandi @ 919-255-9984. This opportunity will not last!	casual atmosphere, where training is provided. Must be motivated and a self-starter. Excellent communication skills and strong computer skills (typing, data entry) required. Handle in-bound/out-bound lead generation calls, literature fulfillment, data entry and general office tasks. Agricultural, Veterinary Medicine or Animal Health majors and/or people with relevant experience required. Dependability and a willingness to learn will be keys to success in this growing organization. Start Date: Immediately Earn \$8/hr, work part-time Monday-Saturday, primarily late afternoon & evening. Professional Phone Voice Upbeat/Can-Do Attitude High Level of Attention to Detail Pleasant and Courteous Manner Apply today by forwarding your resume and/or qualifications to: email: kristin.terdik@technikes.com
Easy Chair \$20, 110 Volt APT Clothes Drier \$25. Air-Conditioner \$25. Call 616-2273 or 515-3067	Small 1BR Apt for rent. Walking distance from NCSU. \$600/mo, includes all utilities per month except gas. Full kitchen, full bath, very cute. Available August 1st. Call 828-2511.	Mayview 2ABA, 1BA \$650. Near NCSU RPM 779-3177	4 bed / 4 bath condo near NCSU Kitchen, Family Rm, Sun Rm, Washer, Dryer, Wired for Internet. \$275/mo + util. Call 247-4951	608 WILLARD: 4BR/2.5BA House, 2240 Sq. Ft., convenient to NCSU. Perfect for roommates. Walking distance to Glenwood Ave. Nightlife. \$1595/month plus one month free. Pets OK. The Preiss Co. 532-1142	Dependable, energetic Landscape helper needed for summer. Near Cary. Start training now. Flexible Hours. Some experience needed, starting \$7.50/hr. 779-2596	Veterinary Assistant (experience or will train) needed for late afternoon 2-3 days weekly and alternate weekend mornings (12hrs). Assist with medical and boarding care of animals. Apply, Cary Vet Hospital, 1233 Northeast Maynard Rd. Cary 469-0947	Applebee's in Cary is looking for fun energetic people to join our team. Flexible Hours, FT/PT positions available. Please come by our location to pick up an application. Corner of Kildaire Farm Rd. and Cary Parkway.
REAL ESTATE	Take my lease! 1BD/1BA, \$391/mo utilities included. I pay first security deposit and first month's rent. I haven't even moved in. 757-410-2383	Collegeview, 4BR, 4BA \$1000 Awesome, Must see, RPM 779-3177	2BD/BA condo for rent, starting August 10th \$850/mo+util. W/D included. Near Rex Hospital and Med-School. Grad, students only. Call 362-6287	TOWNHOMES FOR SALE	Swim instructor needed for August 1-24. \$10-\$15 per hour DOE. Atlantis Swim School. 342-6756. aswimschool@ncrr.com	ADMINISTRATIVE ASSISTANT (Independent brokerage firm) Requires excellent organizational, customer service, and detail-oriented skills. Proficient in MS Word, Excel, filing, and other routine office tasks. Flexible hours between 8am-5pm. Good starting salary. Email resume to: bdoshi@lpl.com Contact: LPL Financial Services OSJ Branch, 107 Blythewood Ct. Cary NC 27513. Office: (919) 465-7200	H15 Sports Restaurant in downtown Raleigh hiring hosts and servers. Please apply in person at 510 Glenwood Ave Monday-Thursday between the hours of 3pm-6pm. Excellent benefits for full-time employees: Health, Dental, 401(k), paid vacation. An EOE. Rocky Top Hospitality Restaurants.
MOTIVATED SELLER!!! 3000-301 Trailwood Pines Lane, Raleigh, NC 27603. \$1800 closing cost paid by seller. 2500 sq. ft. immaculate 3rd floor condo is ready to move into with electric range, dishwasher, built-in microwave, refrigerator, washer/dryer, new interior paint, garden tub in master, breakfast bar, and private porch/balcony with storage room. Conveniently located near I-40, NCSU, RTP and minutes to downtown Raleigh. \$92,000. MLS#803824. Please call Pandora Pearson/RE/MAX United at (919) 786-4176.	Wolf Hollow Apt., on Wolfline, 2BD/2BA, W/D. 2900 Ligon St. near Raleigh Greenway \$550/mo+\$400 deposit. 697-0405	DixieTr. 2BR, 1BA \$750. Great Location, RPM 779-3177	Nice 4BD/4BA condo minutes from NCSU, Crossroads, I-40/440. All appliances including W/D. Ceiling fans w/ lights, balcony, storage closet, pool, basketball & volleyball courts. Near Lake Johnson, grocery store, restaurants, shopping and Wolfline. \$1100/mo. 843-706-2185 or mtrs52@yahoo.com	CHILD CARE	Need \$557 Port City Java in downtown Raleigh is looking for part and full time help. Afternoon and morning hours available. Near CAT bus. Contact Jenn at 232-5282.	Student wanted to work "mom's morning out" program at Prestonwood Country Club. Tuesday and/or Friday morning 9am-1pm. Excellent Pay. Contact Carol Beird at 465-4836 or cbeird@prestonwoodcc.com	
HOMES FOR RENT	283 BD apartments/houses; stove, refrigerator, air, carpet \$420-\$1100, 271-0879	Executive accommodations at student price. Roommate wanted for 2400 sqft home, private bath, large bedroom, pool, in N. Raleigh, must like dogs. One price covers all. Call Matt for details 981-7474	4BR/4BA Condo near NCSU, \$225/month, available 8/1/05. Contact 919-462-4025 or 913-244-0879 or rubinman@yahoo.com	HELP WANTED	Typist needed. Local prof needs 2500+ type class notes. \$2.00 per page. Please call Dr. Prior at 919-462-0746.		
Great house for students. 1 block from NCSU. 4 bedrooms, 2 baths, AC, w/d hoodups, parking spaces. 782-9454.	4BR/4BA in University Woods, near NCSU, 1250 sq. ft., all appliances, right by CAT bus stop to NCSU. \$295/mo per room, year lease. See www.infofast.com/condo or 468-4626.	2-Roommates Needed in 4BD/4BA condo at University Commons. On Wolfline. \$350/mo includes electricity, water. Individual Lease. Available August. Call 615-3249 or www.gde.rentals.com	TOWNHOMES FOR RENT	Part time/full time help with boarding kennel/vet hospital. Summer and School year needed. 848-1926	Groundskeeper and odd jobs, flex hours, 15-20hrs/wk \$7/hr. 781-7501.		
New 4BD home, with deck, access to swimming pool, AC, 2501 Laurells Lane. 828-777-7011 or 919-637-3908	2BD/2BA, W/D. 2900 Ligon St. near Raleigh Greenway \$550/mo+\$400 deposit. 697-0405	Male Roommate Needed. 4BR House near Trailwood area. 6 month lease. \$355/mo. Call 270-7537	2BR/2BA End Unit Townhome, W/D included, on bus-line, within 3 miles of campus. Available August 1st. \$900/mo. Call Dustin 264-7242	HELP WANTED	Help wanted at Toy Store! Fun whimsical environment. Must like working with moms & kids. 5mi. from campus. Learning Express in Cary: 859-1989.		
Fully-furnished 3BD/2BA house for rent in Cary. Fireplace, wood floors, W/D, microwave, wooded yard, screened-in deck, available July. For info call Sharon 786-7736. Graduate packages preferred.	3BD with study or 4BD/4BA condo on Wolfline, W/D, refrigerator, DSL, water included. \$900-\$960/mo. Call Patti at 291-6379. Available August '05	3 bedrooms each with private bath at Lake Park Condos. W/D, microwave, pool, volleyball ball, nonsmokers. \$250-1/4 utilities. Call 467-6776 or 272-8372. Available August 1st.	Falcon Ridge Townhouse 4BD/3.5BA, adjacent to Wolfline, recently renovated, deck, ceiling fans, wired for internet, fireplace, W/D, all kitchen appliances. Available July/August. \$1300/mo. 910-603-0995	HELP WANTED	Need \$557 Port City Java in downtown Raleigh is looking for part and full time help. Afternoon and morning hours available. Near CAT bus. Contact Jenn at 232-5282.		
Very Nice Home For Rent, 3BD/2.5BA, fireplace, all appliances included, minutes from NCSU, Crossroads, 40, 440. Available immediately or for Fall. \$1050/mo+util. Call Matt 332-2601	FREE RENT. 3BR/3BA apartments near NCSU. Rent starting at \$315/month plus one month free rent. Full appliance package included. Call 532-1158.	Room for rent. Utilities included. Within 4 miles of NCSU. References required. \$350 per month. Call and leave message 829-1297.	Townhome on Centennial Campus overlooking Lake Raleigh. 3BR/2.5BA, office, garage, fully furnished, all appliances including W/D. Mature M/F roommate, \$1275/mo. Call 522-2268 or email ahk@ncsu.edu	HELP WANTED	Need \$557 Port City Java in downtown Raleigh is looking for part and full time help. Afternoon and morning hours available. Near CAT bus. Contact Jenn at 232-5282.		
3BD/2BA House \$950/mo, 1BD/1BA House \$475/mo. Available. On Wolfline. Please visit www.ncsrentalhomes.com for details. 571-9225.	Lake Park Condo 4BR/4BA, top floor, W/D, full kitchen. \$1160/month-\$290/person, available to move in now. Call 704-333-0491 or 919-274-2777.	Room with attached bath at 1305-103 Kent road available for short term or long term monthly \$250+utilities (if long-term). Contact 363-5756, 522-4684, nlundaram@hotmail.com	West Raleigh 2BR/1.5BA Townhouse, W/D, Fireplace, Microwave, Ceiling fans. \$600/mo. 870-6871 or www.moore-rentals.com	HELP WANTED	Need \$557 Port City Java in downtown Raleigh is looking for part and full time help. Afternoon and morning hours available. Near CAT bus. Contact Jenn at 232-5282.		
4720 Radcliff Rd., North Hills area, near new shopping, right next to beltline. 7 miles from campus. 4BD/2BA, fenced yard, 2500sqft, totally remodeled, new carpet, new paint, new rented. Pets and yard negotiable. Grad/serious students preferred. \$1200/mo 523-5897	Need a roommate? Call 532-1158 or 754-9131 for roommate matching in two, three & four bedroom apartments and townhomes.	Room for rent. Utilities included. Within 4 miles of NCSU. References required. \$350 per month. Call and leave message 829-1297.	3BD/3.5BA Townhome at Falcon Ridge. Very Nice, on Wolfline. Call 427-3590 or 469-4545	HELP WANTED	Need \$557 Port City Java in downtown Raleigh is looking for part and full time help. Afternoon and morning hours available. Near CAT bus. Contact Jenn at 232-5282.		
4912 Skidmore Rd. North Hills area, near new shopping, right next to beltline. 7 miles from campus. 4BD/2BA, 2400sqft. Pets and yard negotiable. Grad/serious students preferred. \$1200/mo 523-5897	Sublease available 2BD/2BA apartment in Dominion Walnut Creek Pool, tennis and fitness center. \$717.00/mo. 2 months free rent or \$1500 cash at lease signing. Call (919) 255-0906	Room with attached bath at 1305-103 Kent road available for short term or long term monthly \$250+utilities (if long-term). Contact 363-5756, 522-4684, nlundaram@hotmail.com	3BR/3.5BA+bonus room, stove, refrigerator, dishwasher, and W/D. On Wolfline. Falcon Ridge off Kaplan. \$1200/mo. Call 427-4324	HELP WANTED	Need \$557 Port City Java in downtown Raleigh is looking for part and full time help. Afternoon and morning hours available. Near CAT bus. Contact Jenn at 232-5282.		
4912 Skidmore Rd. North Hills area, near new shopping, right next to beltline. 7 miles from campus. 4BD/2BA, 2400sqft. Pets and yard negotiable. Grad/serious students preferred. \$1200/mo 523-5897	Nice 4BD/4BA apartments. Hugel Each bedroom with private bath. Duplex with both units available. Very near NCSU. 16 Shoberd St. Water/Sewer included \$1700 & \$1650. Available immediately. Balsam Properties (919) 864-7833.	FREE BROADBAND INTERNET, free utilities, free parking! 8BD/4BA, 2-story duplex. Walk to campus, W/D, 5285 month, contact Preiss Co. 754-9131	Avery Close, Aventura Ferry Road, within walking distance, on Wolfline, W/D, 2BD/2.5BA, huge - 1160 sqft, reserved parking, pool, balconies, \$650. 787-6087	HELP WANTED	Need \$557 Port City Java in downtown Raleigh is looking for part and full time help. Afternoon and morning hours available. Near CAT bus. Contact Jenn at 232-5282.		
4912 Skidmore Rd. North Hills area, near new shopping, right next to beltline. 7 miles from campus. 4BD/2BA, 2400sqft. Pets and yard negotiable. Grad/serious students preferred. \$1200/mo 523-5897	3/2 Condo on Libleberry Rd. Near NCSU/Dwntwn. All appl, w/d, frplc, deck. \$950/mo. 704-962-8916.	3 Rooms for rent in nice home 5 miles from campus. \$330-\$425 per room includes all utilities, cable, and wireless internet. Large fenced yard, pets welcome. Call Jenny 649-1621.	CONDOS FOR SALE	HELP WANTED	Need \$557 Port City Java in downtown Raleigh is looking for part and full time help. Afternoon and morning hours available. Near CAT bus. Contact Jenn at 232-5282.		
4912 Skidmore Rd. North Hills area, near new shopping, right next to beltline. 7 miles from campus. 4BD/2BA, 2400sqft. Pets and yard negotiable. Grad/serious students preferred. \$1200/mo 523-5897	Rent by the room at Lake Park Condominium. 4BR/4BA w/ walk-in closet. W/D, microwave. \$250/month/room. 919-544-3695	4BD/4BA CONDO, W/D, all appliances, ceiling fans, volleyball, basketball, swimming, \$300/mo+internet. Large rent rooms individually. 1st month half off. Available August. 244-0136 or 961-1791.	610 & 612 BRENT RD. 3BR/2.5BA Duplex, 1051 Sq. Ft., convenient to NCSU and Wolfline. \$750/month, plus one month free. Pets OK. The Preiss Co. 532-1142	HELP WANTED	Need \$557 Port City Java in downtown Raleigh is looking for part and full time help. Afternoon and morning hours available. Near CAT bus. Contact Jenn at 232-5282.		
4912 Skidmore Rd. North Hills area, near new shopping, right next to beltline. 7 miles from campus. 4BD/2BA, 2400sqft. Pets and yard negotiable. Grad/serious students preferred. \$1200/mo 523-5897	DUPLEX FOR RENT: 3 blocks from NCSU. \$640/mo. Off street parking, fireplace, range, A/C, refrigerator, W/D. 1.5 story brick, 2BD/1.5BA. Location: 4 Rosemary St. (Second House Behind Readers Corner Book Store). Call 832-1308.	Mountain Mist Condo. Near NCSU 2BR/2BA, W/D, full kitchen, Internet-wired, gas-log fireplace. Top floor, new paint &	1613 COLLEGEVIEW AVE: 4BR/3BA House, 1660 Sq. Ft., convenient to NCSU and Wolfline. Great for roommates. \$895/month. Pets OK. The Preiss Co. 532-1142	HELP WANTED	Need \$557 Port City Java in downtown Raleigh is looking for part and full time help. Afternoon and morning hours available. Near CAT bus. Contact Jenn at 232-5282.		
4912 Skidmore Rd. North Hills area, near new shopping, right next to beltline. 7 miles from campus. 4BD/2BA, 2400sqft. Pets and yard negotiable. Grad/serious students preferred. \$1200/mo 523-5897	Cameron Village Area-Looking for character, convenience, charm in a modern apartment home? 2 Bedrooms, hardwood floors, central air, new kitchen, w/d connections \$600-800 call 828-0650			HELP WANTED	Need \$557 Port City Java in downtown Raleigh is looking for part and full time help. Afternoon and morning hours available. Near CAT bus. Contact Jenn at 232-5282.		
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COMMENTARY

Hats off to Lance

Lou Gehrig told tearful fans in Yankee Stadium that he was the "luckiest man alive."

Cal Ripken Jr. received a standing ovation from every ballpark he played in during 2001.

Jim Valvano had to be helped off the stage by Mike Krzyzewski during the 1993 ESPY's, but swore in his speech he would "never give up."

When the heroes of sport go out on top, these priceless moments are the lasting memories etched in fans' minds.

Last week, one of the greatest athletes of the last decade made a lasting impression in his final stand and went out on top — cyclist Lance Armstrong.

He dominated the cycling world like none other — setting world records and winning his seventh straight Tour de France, something no other cyclist has accomplished.

Armstrong has been arguably the most beloved American athlete this decade — and transformed into a cultural icon.

When Shawn Kane, president of N.C. State's cycling club team, went into work at The Bike Rack in Raleigh this summer, he said he heard the same thing every day from customers:

"Is Lance still in the lead?" Kane said Armstrong has brought an unprecedented interest to cycling, motivating many people to start riding again.

Armstrong will help the sport's marketability in the future, he said. Armstrong's popularity, he said, hopefully will bring new sponsors to help professional cyclists.

But understanding Armstrong's influence can be as simple as looking at someone's wrist.

Look around State's campus and you're sure to find a plethora of yellow bracelets — the physical representation of Armstrong's influence.

Yes, those little yellow arm-bands have become somewhat of a cliché fashion statement and spawned bracelets for everything from sports teams to candy bars.

But the yellow 'LiveStrong' bracelets began as a representation of the widespread solidarity of fans with Armstrong and his push to further cancer research.

His Tour de France success is his greatest achievement on the bike, but Armstrong's battle against cancer is what truly makes him a hero.

In 1996, he was diagnosed with testicular cancer which eventually spread to his lungs and brain. He was given a 40 percent chance to live — much less to ever return as a professional cyclist. But much like Valvano, he refused to let cancer take away what he loved so much — he swore he would bike again.

He established the Lance Armstrong Foundation for cancer research in 1997, and by 1998, he was back on the bike.

A reporter once had the nerve to ask Armstrong what he "was on."

Armstrong coolly retorted that the only thing he was on was his bike — seven hours a day.

Kane said being a cyclist requires that kind of dedication.

JOE continued page 7

GYMNASTICS

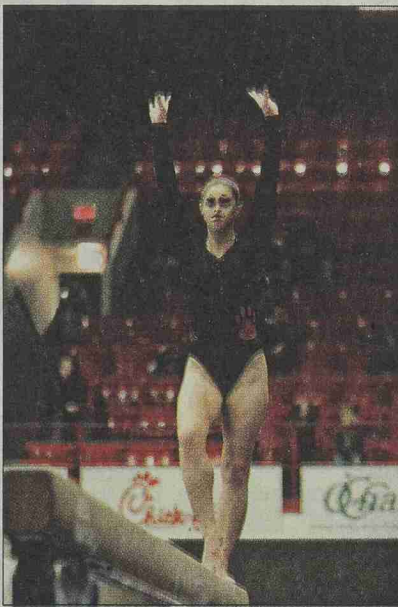
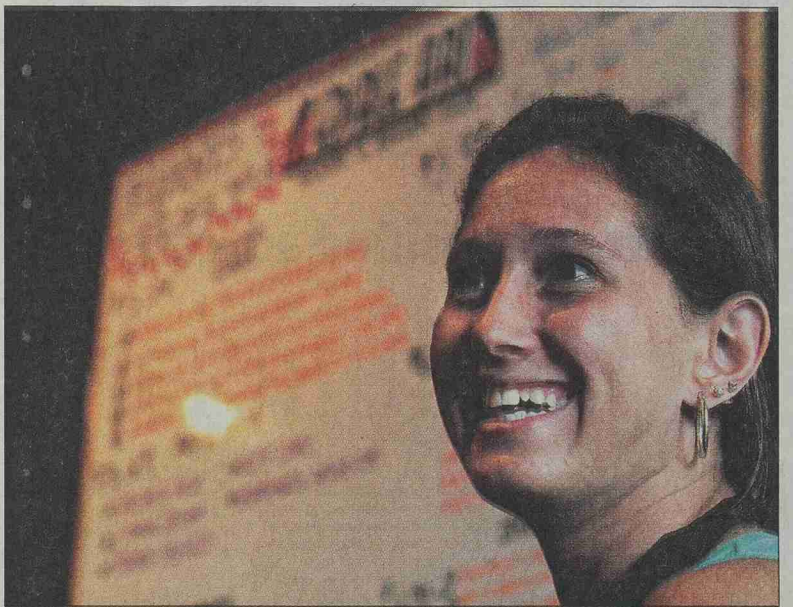


PHOTO COURTESY OF NCSU MEDIA RELATIONS

(Left) Gymnast Rachel Katz attempts to capture another 2004 strong beam score in Reynolds Coliseum. (Right) While enrolled in two summer classes, Katz also designs cakes at Edible Art Bakery & Cafe, located on Hillsborough Street. Providing more than 20 years of sweet service, the bakery is famous for its unique and savory designs.



JEFF REEVES/TECHNICIAN

Creating a scrumptious art

Gymnast Rachel Katz is designing cakes for Hillsborough Street sweet-tooths while studying and training in Raleigh this summer

Tanner Kroeger
Staff Writer

Rachel Katz has a routine. Every weekday, she wakes up at 7 a.m. and heads off for Statistics 311 in Harrelson Hall, which precedes her afternoon water aerobics in Carmichael Gym.

The 5-foot-3 junior from Bloomington, Ind. spends her nights conditioning at Impact Athletics Gym, so she will be ready for N.C. State's gymnastics season starting in January.

But Katz is much more than a student and a gymnast.

She combats her at times monotonous routine with a part-time job at Edible Arts Bakery & Cafe.

The 20-year-old bakery's selection of specialty cakes provide multiple reasons to return to the Hillsborough Street location, across the street from Meredith College in the Royal Mall.

Making cakes, as it turns out, is what Katz wants to do with her life.

"I took a foods class all four years in high school," Katz said. "We did a cake-decorating unit for six weeks, and that was always the most fun to me. You get to be creative. You just put a whole bunch of things in to see what you can create and come up with."

Storeowner Bobby Reynolds said he liked Katz's high-spirited personality when he hired her.

"She came across fairly strong spirited," Reynolds said. "You've got to be a little artsy, a little creative to be good at this. I know she did a cake for one of her teammates on Saturday [July 16], and I thought it looked pretty good. You've got to be a little creative here, it's not just about putting on icing and a border on it."

If it was not for Katz's strong personality, her life as a gymnast may never have developed into what it is today.

Watching her older siblings, Eric and Natalie, at gymnastics practice, the young Katz let people know where she wanted to be.

"I was about 18 months old, and my older brother and sister

were already in gymnastics," Katz said. "My mom tells me that I would stand on the sidelines and try to copy everything they did."

Katz's mom, Jan Katz, still chuckles when she tells the story.

"The coach asked me if she could take Rachel and try a few things with her," Jan said. "Rachel went out and just started tumbling. [The coach] put Rachel on the bars and just let her swing. It just came natural to her."

Katz's life as a gymnast, with years of tedious conditioning and endless trial-and-error sessions, seemed to provide excellent preparation for working in a bakery.

"Everything at the bakery is made from scratch," Katz said. "There are two women who do the baking, and I think we have six or seven decorators. Most of our bigger cakes are the wedding cakes, and I'd say we do anywhere from 10 to 20 wedding cakes in a weekend."

According to Katz, the smallest wedding cake at the cafe sells for \$395. She added that the most expensive cake she had ever seen



JEFF REEVES/TECHNICIAN

Katz, a junior from Bloomington, Ind. majoring in biological sciences, takes an order for a sample plate of cheesecakes Tuesday.

ART continued page 7

WOMEN'S SOCCER

Finland selects former Pack striker

After scoring six goals for N.C. State in 2004, Anna Helenius has a new challenge in August — to become a world champion

Ian Jester
Sports Editor

In preparation for the 23rd Universiade Games starting Aug. 10, the Finland women's soccer team selected former N.C. State forward Anna Helenius to its 20-player squad last week.

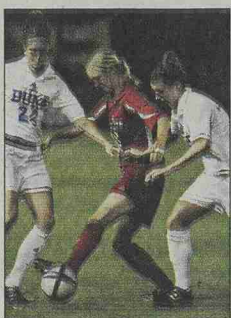
The 82-year-old international student competition has been hosted in a different city every two years since 1973, and as an international sport festival, it ranks second only to the Olympic Games.

"It feels wonderful to be able to play for my country," Helenius said, by telephone from her native Turku. "Everyone is saying that it's just as big as the Olympics, which is exciting for me to be a part of."

The Finnish phenom tallied six goals and six assists in her final season for coach Laura Kerrigan's squad in the 2004 campaign. She has since continued to display her talents each year in the Finnish Premier League, for a total of seven years.

"She has great technical ability — she's able to thread the ball through open space, which created lots of goal scoring opportunities for us," Kerrigan said. "But most of all, she creates a feeling of professionalism for her team."

The 12 invited nations will be



TECHNICIAN FILE PHOTO

Finland's Anna Helenius will try to capture gold in the 23rd Universiade Aug. 10 in Izmir, Turkey.

separated into three groups of four, with Finland scheduled to play each of Brazil, China and South Africa once in Pool

C. The selections to Pool B include Japan, France, Canada and Czech Republic, while host Turkey entertains Chinese Taipei, Ireland and New Zealand before the quarterfinal draw.

Founded in 1949, the International University Sports Federation (FISU) supervises both the Winter and Summer Universiades, which alternate years. Izmir will host 14 sports, of which the United States will compete in all but soccer, water polo, gymnastics and athletics.

"I'm excited to be a part of something as special as the Universiade," Helenius told GoPack.com. "I've never played for Finland at such an elite level. It is an opportunity to play against some of the best players in the world and I am looking forward to the competition."

The 23rd Universiade in numbers

Aug. 10-22 — Izmir, Turkey

- 700,000** spectators
- 300,000** tons of food
- 18,000** staff members
- 9,500** volunteers on hand
- 9,000** athletes competing
- 1,500** referees and judges
- 170** countries represented
- 31** competition venues
- 29** training venues

COMPILED BY IAN JESTER
SOURCE: UNIVERSIADEIZMIR.ORG