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The Exponent

The Student Newspaper of UAH

Volume 42, Issue 3

September 16, 2010

NEWS BRIEFS

The United Way and UAH are teaming up for a fun-filled day of activities starting Sept. 22 at 11:30 a.m. and lasting until 1 p.m. Signs are around campus with a progress meter indicating how close UAH is to reaching its donation goal for United Way.

See FUNDRAISER on Pg. 2

ARTS & LEISURE BRIEFS

Style is about more than just throwing on a designer blouse. Fashion choices can affect your mood, allow you to express yourself, and help shape the image you present to the world. Jeans and a t-shirt indicate that you are going for comfort, while a skirt and a summery blouse give off an airy vibe and understated heels demonstrate sophistication. *The Exponent's* resident style scout scours the campus each week in search of a student with personal style that will inspire the fashionista in all of us.

See STYLE on Pg. 3

SCIENCE & TECH BRIEFS

Last week's Exponent featured a story on a National Science Foundation \$1.17 million grant awarded to Dr. Sara Graves to create a high-speed fiber optic network connecting state universities and the Hudson-Alpha Institute, a research organization in Huntsville's Cummings Research Park specializing in biotechnology and genomics.

See GRANT on Pg. 4

SPORTS BRIEFS

Both the UAH men's and women's soccer teams kicked off their 2010 seasons on Sept. 5 and 3 respectively, with games against Lincoln Memorial and Clayton State. The men's team got off to a slow start on the road, falling to Lincoln Memorial in its season opener on Sept. 5.

See SOCCER on Pg. 6

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Q&A with Dr. Shankar Mahalingam, Dean of Engineering

TOM BURWELL
Staff Writer

The UAH College of Engineering recently ended its search for a new dean when Dr. Shankar Mahalingam was selected.

Mahalingam received his undergraduate degree from the Indian Institute of Technology in Madras, his Master of Science from Stony Brook University, and his doctorate from Stanford University. Mahalingam has regularly provided peer reviews for top scientific grant proposals and journals and served as associate editor of the American Institute of Astronautics and Aeronautics Journal from 2002-2005.

He is an associate fellow of AIAA and a fellow of the American Society of Mechanical Engineers. Mahalingam has served on the faculty at the University of Colorado-Boulder and University of California-Riverside and has also held visiting professorships in Paris, France, and Coimbra, Portugal. His research in the field of forest fire modeling has found wide publication in scientific journals.

Mahalingam moved to Huntsville in August to take his new position, and he recently agreed to

sit down for an interview with *The Exponent*.

What is engineering? What is its relation to the theoretical sciences?

Engineering is a discipline in which students utilize the principles of mathematics and science to design, construct, predict, and test new devices, processes, and systems that enhance the quality of life for all human beings. Engineers help enable verification of scientific discoveries and develop methods to make the discoveries useful. A solid foundation in basic science is essential to be successful in engineering, and thus the two disciplines are closely linked.

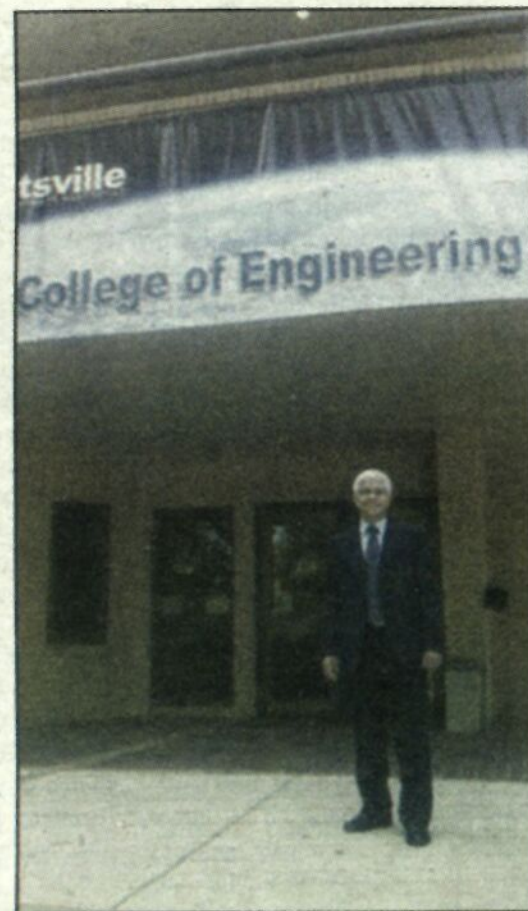
What about UAH's engineering program stood out to you as you were considering the position?

When I was recruited for this position, I had little knowledge about UAHuntsville. As I started examining more information about our undergraduate degree programs, the graduate programs, and faculty research and accomplishments, I began to discover that UAHuntsville's College of Engineering has a lot to offer and deserves to be recognized. Its excellent programs and dedicated

faculty provide a great educational experience to both undergraduate and graduate students. This is [the] sixth university that I've been associated with as a student or a faculty member, and these programs compare to the most competitive programs really anywhere in the world.

What do you want students who are considering engineering know about the program?

Our college offers eight accredited undergraduate degree programs in aerospace, chemical, civil, computer, electrical, industrial and systems, mechanical, and optical engineering. What sets us apart from our peers is the number of opportunities students have, ranging from coops and internships to student projects such as the concrete canoe, university Student Launch Initiative,



Pictured above: Dean Shankar Mahalingam
Photo by Tom Burwell

SAE formula car, etc. [Further,]

See DEAN on Pg. 2

UAH Propulsion Research Center Declared by Popular Science to Be One of the Coolest College Labs in America

MATT SAYAR
Staff Writer

UAH's Propulsion Research Center started out as "two desks and a couple guys," according to Interim Director Dr. Robert Frederick. Today, it sits at number three on Popular Science's Top Thirty Awesome College Labs in America.

"We're on the national scene a lot," Frederick said, especially referring to UAH's success in the

NASA-sponsored University Student Launch Initiative competition.

The competition involves launching a custom-built rocket exactly one mile high, then recovering a payload it drops at that altitude. UAH won first place this year, beating out rival universities from across the country. Next year, we move up to an experimental tier of the competition that involves launching a rocket two miles high, then making a water recovery.



A photographer from Popular Science takes a photo of PRC employees with a rocket.
Photo courtesy of Dr. Frederick

It was perhaps from this competition that Popular Science heard about the PRC. The magazine interviewed several members by phone, then flew out a photographer to take a picture for the September 2010 issue, pictured below.

UAH beat out 18 other schools for the opportunity to be number one in the nation. Members of the center were then able to present a paper on their findings in Nashville. They are accustomed to presenting papers, especially since they were able to present a total of 10 papers at the Joint Propulsion Conference. It's an honor for anyone, especially a university, to have the chance to present so many papers.

The team for next year's USLI project has been chosen for the fall semester, but anyone interested will have a chance to join the team in the spring. Senior mechanical and aerospace engineering students will get a chance to get hands-on experience working with solid propellants and preparing papers on their work. Anyone interested can visit the PRC's website at <http://prc.uah.edu> and email a resume to the center.

The PRC provides many op-

See PROPULSION on Pg. 2

Student Insurance Plan Available

RAYMOND GILSTRAP
Staff Writer

The 2010-2011 Student Injury and Sickness Insurance Plan for UAH students is now available through the Office of Student Affairs. Partnered with UnitedHealthcare, the plan assists students and their parents with medical expenses during major illnesses or injuries.

Students have been angry that the insurance policy was not available to them at the start of term. Some students were continually told to check online for the plan, but they could not find any information. One angry student expressed his concern in an email to the editor of *The Exponent*:

"[I] inquired about student health insurance before the start of the semester and kept getting the 'check the website in a few days' answer every time I ask[ed]," the student said. "I was wondering, since you are the editor of the campus paper, if you had any pull—or could persuade one of your reporters to gather some information on why our beloved provost is delaying the approval of student insur-

See INSURANCE on Pg. 2

From INSURANCE on Pg. 1

ance, being that every person I ask mentions that the information has not come back from the provost. The mandatory meal plan was implemented to ensure we eat healthy, yet insurance for our health seems to be neglected. Why?"

In a recent interview, Dr. Vistasp Karbhari, the provost, commented that student insurance was already available for the school year. He also provided information about the policy.

"I'm still trying to ascertain why the student in question was not given this information," Karbhari said.

Other students visited the Office of Student Affairs for information and were told repeatedly that it would soon be available online. However, as of last week it was not. Instead students had to download the application from the website and mail it in.

Master policy premiums became effective Aug. 16. Individual student coverage becomes active on the first day of the insured period that the premium is paid. The master policy ends on Aug. 15, 2011.

Students who have other insurance can still qualify. The school insurance will pay unpaid balances after the primary insurance has paid. Also, if a student withdraws from school, coverage will remain.

International students with J1 and F1 visas, including co-ops, must be enrolled in the insurance plan. Graduate students with full or partial assistantships are enrolled on a hard waiver basis. Because of the hard waiver, UAH will pay the full insurance premium for those select graduate students, but they will not pay any premiums for students with less than half-time assistantship awards. All other students taking at least six credit hours may

apply for insurance.

Students eligible for the policy may also insure dependents, including their spouse, unmarried children under 19, or dependent children under 23 who are full-time students at an accredited institution.

The annual premium rate for basic coverage for students is \$819 for an individual, \$2,490 for spouses, and \$1,586 for all dependent children. The annual rate is \$75 per person for students not wishing to purchase the basic plan.

For inpatient medical expenses, the plan covers all of the preferred allowance for preferred providers, 70 percent for out-of-network providers and 90 percent of physiotherapy, surgeon and physician fees. For outpatient expenses, the plan also covers 90 percent of surgeon's fees, physician visits and anesthesiologist costs.

Prescription drugs are also covered under the insurance policy, with a \$10 deductible for generic drugs and a \$20 deductible for brand-name drugs.

There are exclusions and limitations to the insurance plan. Some expenses that are not covered include the following: allergy testing, addiction programs, circumcision, cosmetic procedures, immunizations and organ transplants.

As a part of the college assistance program, insured students can seek advice from nurses, obtain health information and receive counseling support 24 hours a day, seven days a week.

For more information, visit www.uhcsr.com/Public/ClientBrochures/2010-669-2%20Brochure-v3.pdf to view the brochure.

Students who want to download the online application should visit www.uhcsr.com/Public/ClientBrochures/2010-669-2%20Enrollment-v2.pdf.

From DEAN on Pg. 1

engineering teaches problem-solving skills that can be adapted to a variety of disciplines. This enables students to be competitive upon graduation.

What careers do graduates of the engineering program go into?

A number of our alumni have gone on to become presidents and vice-presidents of companies. We have [an alum who is a] former NASA astronaut. Our programs prepare students to pursue careers in business, law and even medicine. Just after arriving on campus, I realized that a large number of our alumni are employed at leading technological companies [such as] ADTRAN, Dynetics, etc.

I read recently that biological engineering will expand greatly over the next 50 years. Do you think the college will offer a degree in biological engineering in the foreseeable future?

In the near term, we do not have a plan to offer a degree in bioengineering. It does not mean it is not important. We are building on expertise we have, that can take advantage of the industry right

From PROPULSION on Pg. 1

opportunities for graduate students to do research that helps them obtain their degrees. The center helped 13 students get their degrees in the last year. They work with world-class equipment in the lab on the southernmost edge of campus. The technology available there includes a vacuum chamber to simulate space-like environments and a control room to monitor the rocket

here in Huntsville. Perhaps in the future, we could be positioned to offer programs in bioengineering.

In the next 50 years, there are numerous grand challenges identified by the National Academy of Engineering that will engage engineers around the world. These include ensuring security of cyberspace, restoring and improving urban infrastructure, and many more.

What project in your career provided the most satisfaction to you as an engineer?

For a number of years now, I have been engaged in forest fire research, developing experimental and computational models to understand various transition phenomena that occur in wildland fires, for example. This has provided great satisfaction. I have had the opportunity to train and mentor undergraduate and Ph.D. students who are now successful [in their careers]. I have also had the opportunity to help build a young department and graduate program at my previous institution. In both situations, of course, I had the assistance of a number of colleagues who enabled me to be successful.

firing in an outdoor testing area.

With so many projects going on at once, Frederick has his hands full running the PRC, yet still gives credit where it's due.

"It's really the students and the staff that make this place work," he said. "My goal is to help people succeed." Having helped place over 120 graduates (and counting) in the aerospace industry, he's helping the center reach its goal every day.

United Way Fundraiser Coming to UAH on September 22

JONATHAN KEENUM
Staff Writer

The United Way and UAH are teaming up for a fun-filled day of activities starting Sept. 22 at 11:30 a.m. and lasting until 1 p.m.

Signs are around campus with a progress meter indicating how close UAH is to reaching its donation goal for United Way. This event, "Live United & Charge On," is a finale celebration for the campus that allows students and others to make last-minute donations.

For only \$1, participants can enter the pie toss drawing, in which a few people will be selected at random to throw a pie at President Dave Williams, Dean John Fix, John Maxon, Chief Gales, or Kristin Scroggin. The dunking booth is also \$1 for three balls. Proceeds go to the United Way of Madison County.

All events will be held at the University Center Slab. In addition to the pie toss and dunking booth, there will also be plenty of free food, drinks and games. Everyone is invited, so be sure to tell your friends and family to come over and support this worthy cause.

United Way is an organization that impacts the community and supports fundraising events that create quality educational programs, liveable wages and salaries, and affordable health care.

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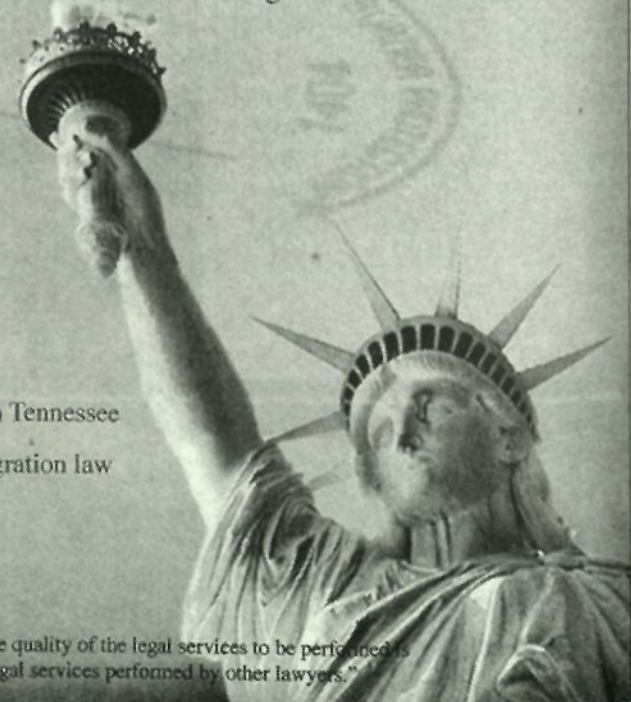
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Charger Chic: Style Scouting at UAH

SALOME SALIASHVILI
Staff Writer

Style is about more than just throwing on a designer blouse. Fashion choices can affect your mood, allow you to express yourself, and help shape the image you present to the world. Jeans and a t-shirt indicate that you are going for comfort, while a skirt and a summery blouse give off an airy vibe and understated heels demonstrate sophistication.

The Exponent's resident style scout scours the campus each week in search of a student with personal style that will inspire the fashionista in all of us.

Michaela Polemeni, a UAH senior, artfully made a simple outfit look like something out of a magazine. She paired skinny jeans with a beige fitted blouse that flowed loosely around three-fourths of her arms. The jeans were just perfectly fitted and understated. Her wedge shoes had a heel without too much pretension. Her pulled back hair and light make-up added a finishing touch.

Michaela spoke to *The Exponent* about her style.

How does your day begin? Do you decide what to wear, or does it come to you?

that's usually why I'm really late for the class. I just look around to see what I have and just pick something out; something that I'll be comfortable in all day long. Because I go to school and I usually go to work right after school.

How do you define your style?

I'm not really sure, because I have a lot of different styles. I love gold, I like the hobo look, but I also like to be chic, you know. It kind of depends on the event but I usually like to have this Greek look.

Fashion advice for busy students?

Go for some staple items that you could change up, something that you can wear a lot but change it up

with accessories and make the style look different.

What is your favorite item in your closet?

That would be a good pair of jeans and a nice blouse.



Photo by Salome Saliashvili

Event Calendar

Sept. 16

- UAH College Republicans meet in UC Exhibit Hall B at 6:30 p.m. Anyone interested in joining is welcome to attend.
- Open mic night at Voodoo Lounge. 8 p.m.

Sept. 17

- Spider + Octopus performs at the Flying Monkey Arts Center. \$5. 9 p.m.
- A Band Named Sue performs at Coffeetree Books and Brew. 7 p.m.
- Peter and the Wolf performs at Hopper's. 8 p.m.

Sept. 18

- Alpha Tau Omega will have a car wash benefiting the fraternity at John's Big Brother, across from Beauregard's on Jordan Lane. 10 a.m. - 2 p.m.
- Moe's will have a Bama vs. Duke viewing party at the restaurant.

Sept. 19

- Red Headed Step Child performs at Bandito Southside. 7 p.m.
- Sunday Blues Jam, hosted by Freddy Earl and the Blues Mercenaries, takes place at the Kaffeeklatsch. 8 p.m.

Sept. 20

- Thomas Function, Vermillion Sands and Andy Dale Petty perform at Voodoo Lounge. 8 p.m.

Sept. 21

- Balthrop, Alabama and Helen Keller's Ukulele perform at the Flying Monkey Arts Center. \$5. 8 p.m.
- Jazz Jam, featuring Marge Loveday, perform at Bandito Southside. 8 p.m.

ALPHA OMICRON PI

congratulates these outstanding women selected as founding members of AOPi at UAHuntsville:

Ali Hayne

Amanda Cloud

Amanda LeVan

Amy Cooper

Anastasia Chasovskikh

Ashley Alleman

Bailey Lee

Beth Clifton

Caitlyn Reynolds

Chrissa Mayhall

Christina Ninh

Faith Ryder

Gabrielle Loew

Jackie Allebach

Jackie Smith

Jazmine Grier

Jill Blankenship

Kaity Headley

Kara Walzel

Katie Clifton

Kelley Lu

Kirby Wallace

Kristin Steelman

Lynette Potter

Melanie Gates

Melissa Skelly

Morgan Johnson

Natalie Raymond

Rachel Ann Stewart

Rachel Yates

Scarlett Chandler

Stacey Parris

Tabitha Farabee

AOPi

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Interested in becoming a founding member of AOPi at UAHuntsville? Contact aouiuh@gmail.com

Huntsville Companies Series: Lockheed Martin-We Never Forget Who We're Working For

SALOME SALIASHVILI
Staff Writer

Lockheed Martin, a world-renowned aerospace, defense and advanced technology company, diverges into many different spheres and projects. Its technologies and systems help control over 60 percent of world's air traffic. And a branch is located right here in Huntsville.

The company's latest project, the Hybrid Air Vehicle, is an airship used for both manned and unmanned intelligence gathering, as well as transporting cargo such as helicopters and tanks, and maneuvers on almost any type of terrain. It can go for three weeks at 20,000 feet altitude and is loaded with every type of sensor needed to generate a clear picture of the battlefield. With an advanced air cushion system, it can even land on water.

F-35 Lightning II, developed by Lockheed Martin and other aerospace industry leaders, is the first fifth-generation multirole fighter. Its attributes incorporate the following: supersonic speed; an engine that lasts in higher temperatures; an internal fuel system; GAU-22/A cannons; missiles; and the ability to carry a higher weapon payload than its predecessors. It

includes Panoramic Cockpit Display glass cockpits with the latest speech-recognition system.

It has sophisticated situational awareness, with missile warning systems and the ability to report missile launches and track approaching aircraft. This helps with the Helmet-Mounted Display system, which allows the pilot to eliminate the target without actually pointing the aircraft. It contains the best of everything, including a full vertical lift and landing.

The Lightning II is the epitome of stealth (radar evading), precision, lethality and survivability. Its program brief declares to enemies, "There's no place on earth to hide" and ends with "The revolution begins."

The Human Universal Load Carrier is a titanium hydraulic-actuated exoskeleton that helps soldiers carry up to 200 pounds at a maximum of 10 mph. The micro-processor takes in readings from the sensors across the HULC and thus senses what the user wants to do or where he or she wants to go and does it automatically. It transfers weight to the ground while not inhibiting any range of human movements. Lockheed Martin is in the process of developing 72+-hour cells and has just received

\$1.1 million from the U.S. Army.

Littoral Combat Ship is a high-speed sea train equipped with a rolling airframe missile launcher in the back and a 57-millimeter gun in the front that fires 200 rounds a minute. Its aims are to get in, deliver and get out. It is a complete maritime dominance strategy, linking communications for the Navy. The ship is powered by four water jets, which each pump a million gallons of water per minute, and reaches 45 mph but still gets in close to the

shore. It is highly automated with video-like controls.

Ocean Thermal Energy Conversion finds places in the ocean at which the cold and warm water mix naturally and uses this phenomenon to drive its steam cycle and produce clean, inexhaustible energy, electricity. In 2009, the U.S. Navy awarded \$8 million for OTEC.

Lockheed Martin continues to push the limits of both human ingenuity and capabilities.



Photo by Raymond Gilstrap

Professor Discusses \$1.17 Million Internet Connectivity Grant

TOM BURWELL
Staff Writer

Last week's Exponent featured a story on a National Science Foundation \$1.17 million grant awarded to Dr. Sara Graves to create a high-speed fiber optic network connecting state universities and the Hudson-Alpha Institute, a research organization in Huntsville's Cummings Research Park specializing in biotechnology and genomics.

Dr. Sandi Harper, a research scientist in UAH's Information Technology and Systems Center, is the project lead and has provided further details about the project.

A major motivation for this grant is the need Graves and Harper recognized for easier collaboration in the areas of nanotechnology and bioscience.

"A primary reason for applying for the grant was to meet Alabama's need for research collaboration in the fields of nanoscience and biotechnology," Harper said. "The state of Alabama has recognized that bio and nano are areas of

See GRANT on Pg. 5

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From GRANT on Pg. 4

economic growth. There's actually a state plan that Governor Riley has put out for Alabama to invest in bio and nanotechnology. One of the things we noted in our proposal was that the state had an interest in bioscience and nanotechnology."

The project is funded under the Experimental Program to Stimulate Competitive Research, an NSF program created to increase the competitive research base, build the scientific infrastructure and improve the technology enterprise in states that have historically received fewer federal research dollars. Each NSF dollar allocated is given on a competitive peer- or merit-reviewed basis and requires a matching state or private dollar.

EPSCoR itself falls under the NSF's Internet2 initiative, which is a national effort to create a nationwide high-speed network to allow collaboration between researchers. Graves and Harper have worked with the Alabama Supercomputer Authority over the past 10 years to implement Internet2 at Alabama universities and research organizations.

"Dr. Graves is [the] principal investigator and leads a collaborative effort with participants from the University of Alabama, University of Alabama at Birmingham,

Alabama A & M University, Tuskegee University, Auburn University, Alabama State University, Central Alabama Community College, and the Alabama Supercomputer Authority," Harper said. "The team has developed a strong working relationship over many years, collaborating on several successful NSF and EPSCoR programs in both infrastructure enhancements and scientific research."

The NSF has a long history of improving universities' and citizens' access to the Internet. NSF-NET, a network that in 1986 gave universities access to the nation's supercomputers, provided the "Internet backbone" of computers that in the early '90s would eventually host the World Wide Web.

"Programs like this also spur economic growth and development by providing network connectivity, tools and technologies," Harper said.

The NSF has continued to fund projects such as Internet2 with the goal of improving the usefulness and availability of the Internet. The NSF receives an annual budget of \$6 billion, much of which is granted to university professors through peer-reviewed competitions.

August 2010 Campus Crime Report

Type of Incident	Place of Occurrence	
Burglary/Theft of Property	North Campus Residence Hall	2
Carrying Concealed Weapon	Salmon Library	1
Criminal Mischief	South East Campus Housing& University Center	1,1
Criminal Trespass	Salmon Library	1
Driving Under the Influence of Alcohol	John Wright Drive Sparkman Drive and Ben Graves Drive	1 1
Duty Upon Striking Unattended Vehicle	Shelby Center	1
Found Property	3706 Governor's Drive Business Administration Building	1 1
Fugitive From Justice	Salmon Library	1
Loitering	Salmon Library	1
Public Intoxication	Ben Graves Drive	1
Public Lewdness /Public Intoxication	South East Campus Housing	1
Resisting Arrest/Public Intoxication	South East Campus Housing	1
Theft of Property	516 Fraternity and Sorority Row	1
Traffic Accident	Salmon Library	1
Unlawful Breakiing and Entering Vehicle/Theft of Property	BAB, CCRH FFH, & UC	1,1 1,1

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UAH Softball Star Diagnosed with Cancer

THOMAS DURNIE
Staff Writer

"You're pregnant."
To many women, these words are followed by a feeling of joy and relief; but what if you're a 20-year-old college student who has never had sex? To Emily Roach, these words did not strike a feeling of happiness, but rather feelings of fear, panic and confusion.

On Aug. 3, 2010, Emily was on her way in for a routine shoulder surgery, a side effect of being a star softball player. The hospital requires that prior to any surgery, all women undergo a pregnancy test. Since she had never been involved sexually, she thought nothing of it—simply one more test before she could have her much-needed shoulder surgery.

But the news she received from that test would change her life forever. After her urine test, the lab technician returned to Emily and asked if there was any chance she could be pregnant.

"I laughed in her face," Roach said. "I had never had sex and was on birth control at the time. It didn't even cross my mind."

Her mother, a retired nurse, was able to get Emily into the gynecologist immediately. She took a blood test, which also showed that she was pregnant. In the back of her mind, Emily was going over the possibilities.

"How could this happen? Was it possible? Was I raped? I couldn't understand how this was possible," Roach said.

Wanting answers, the doctor went over the only possible scenarios.

"She said either you're pregnant, or you have a tumor," the softball player said. Obviously, not the two scenarios she wanted to

See **CANCER** on Pg. 7

Charger Soccer Kicks Off the 2010 Season

DREW WOOLLEY
Staff Writer

Both the UAH men's and women's soccer teams kicked off their 2010 seasons on Sept. 5 and 3 respectively, with games against Lincoln Memorial and Clayton State.

The men's team got off to a slow start on the road, falling to Lincoln Memorial in its season opener on Sept. 5. The game was highly defensive, with the Railsplitters in the driver's seat for much of the first half. Shortly into the second half, the home team converted a corner kick to give them a 1-0 lead that it would hold for the rest of the game.

Shots on goal were hard to come by, with Lincoln Memorial tallying four and the Chargers only one. UAH was outshot a total of 19 to 9, and earned only three corner kicks to Lincoln Memorial's 12 throughout the course of the match, highlighting the lack of an attacking edge as a major hurdle for the team to overcome.

Any hope that the home opener might serve as a turning point was dashed when the visiting Clayton State Lakers took the lead in only the 14th minute. A poor clearance from the UAH defense gave the ball to Kevin Rodriguez, who found space and finished from 35 yards out. UAH went down to 10 men after Brandon LeMier was sent off just before the hour mark, and while senior goalkeeper Tyler Earley worked hard to keep the deficit at one he was unable to stop two second half goals for the Lakers, bringing the Chargers' first home match to a close at 3-0.

The absence of the team's offense continued to be a problem during the match as it still failed to score. The Chargers were once again outnumbered on corner kicks 12 to 3, but were outshot over the course of the 90 minutes a whopping 24 times to 3. Finding a way to overcome this problem and get forward will be key to any future success the team hopes to find.



Photo courtesy of UAH Chargers

The women's team got off to a markedly better start, winning its home opener Sept. 3 against Clayton State 4-1 with two goals in each half. Sophomore Trisha Ehrhardt seized an opportunity in the box to open the scoring in the 19th minute, with Khadijah Jannah scoring the eventual match winner eight minutes later. Jannah would also assist Cady Reisman's second half goal in the 64th minute, just

four minutes before Paige Boersma finished the scoring for the Lady Chargers at 4-0.

Their first road match on Sept. 5 however, proved to be a more staunch challenge. In the seventh minute Lincoln Memorial opened the scoring with a goal that would hold for the rest of the half. Two second half goals sealed the win for

See **SOCCER** on Pg. 7

Chargers to Race in Local Invitational

JONATHAN KEENUM
Staff Writer

The Chargers cross-country teams will compete in the Fleet Feet Sports/Earl Jacoby Memorial Cross Country Invitational on September 18 at Sharon Johnston Park, located 18 miles northeast of UAH.

The men and women will compete in the 8,000 and 5,000 meter races, respectively. The events kick off at 8 a.m. with the open 5k race, followed by the collegiate men's 8k at 9 a.m. and the collegiate women's 5k at 9:50 a.m.

See **INVITATIONAL** on Pg. 7

CHARGER SPORTS SCORES

Men's Soccer
Record 0-3-0
GSC 0-0-0

September 10
Union 1
Chargers 0

Women's Soccer
Record 2-1-0
GSC 0-0-0

September 10
Union 1
Chargers 2

Volleyball
Record 2-6 GSC 0-0

September 10
Florida Tech 3
Chargers 0

September 10
Armstrong Atlantic 3
Chargers 0

September 11
Rollins 3
Chargers 0

September 11
Augusta State 0
Chargers 3

CHARGER SPORTS CALENDAR

Men's Soccer

Record 0-3-0 GSC 0-0-0

Date	Opponent	Site	Time
September 17	Tennessee Wesleyan	Away	5:00 p.m.
September 19	Christian Brothers	Home	2:00 p.m.

Women's Soccer

Record 2-1-0 GSC 0-0-0

Date	Opponent	Site	Time
September 17	Tennessee Wesleyan	Away	3:00 p.m.

Volleyball

Record 2-6 GSC 0-0

Date	Opponent	Site	Time
September 16	Harding	Home	6:00 p.m.
September 17	Arkansas Tech	Home	5:00 p.m.
September 18	Henderson State	Home	2:00 p.m.
September 21	West Alabama	Home	7:00 p.m.

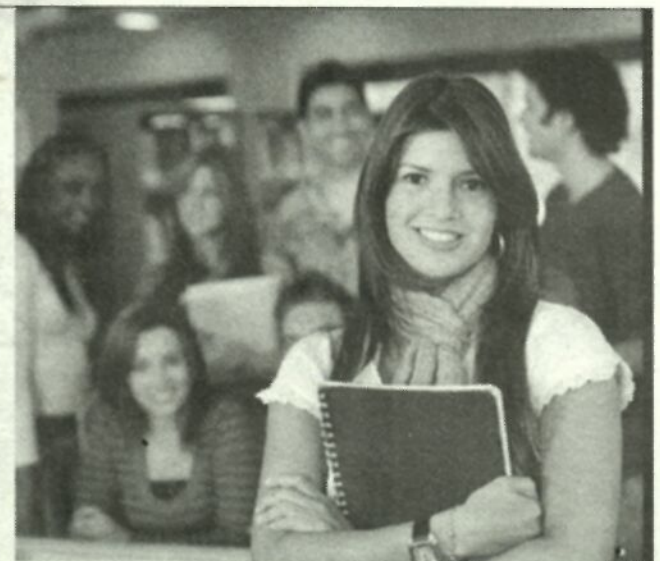
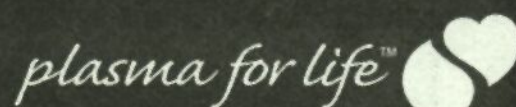
Cross Country

Date	Event
September 18	Fleet Feet Sports/Earl Jacoby Memorial (5K, 8K)

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From CANCER on Pg. 6

hear. Distaught, Roach went home. She would have to wait two days before taking more tests to determine which of the two scenarios it was.

After the second round of blood tests, Roach received the bad news. She recalls, "They said that I wasn't pregnant, but that I would have to wait another week to come back and take more tests to see if my HCG levels had gone down."

HCG is the hormone that indicates pregnancy, but it can also indicate if there is a tumor present within the reproductive system.

After another week, Roach returned to the hospital for yet another round of tests. Her HGC levels had not gone down. After another two days, she went back to the gynecologist and underwent ultrasounds and CT scans. These tests showed that she had a cyst on one of her ovaries—not uncommon for a woman of her age.

She was scheduled to have surgery to remove the cyst from her ovary. However, during the operation, the doctor realized that the cyst was too tangled up with her ovary to remove it. Her entire ovary had to be removed.

A week later, Roach returned to the doctor for her follow-up exam.

"I didn't really understand what the doctor was saying," Roach said. "I thought he said I might have cancer, but he was really telling me I had cancer."

Her mother called the doctor for clarification. "My mom found out on a Thursday, but felt so terrible about it she didn't actually tell me until Sunday," Roach said. "That was the only day I was really upset."

After more waiting, she was sent to an ovarian cancer specialist. He told her that she had gonadoblastoma, a rare form of ovarian cancer. The doctor told her that if this form of cancer manifests in one ovary, it usually infects the other one as well.

Roach had to prepare herself for the fact that she might have to have her other ovary removed, meaning she would be unable to have her own children.

"I was upset," Roach said. "I don't want to have kids now, but I've always wanted to have kids of my own someday."

She was also told that she may have another, more fatal form of cancer. If this was the case, she would have to begin chemotherapy immediately.

Once again, Roach had more tests. This time, they came back with more positive results.

"The doctor told me that he thinks it is a less dangerous form of cancer," Roach said. "Since he caught it so soon and took the whole ovary out . . . everything [might be] okay."

After several weeks of tests, waiting, more tests, and more waiting, good news finally came. She

still has a long road ahead of her, with second opinions, third opinions and bi-annual checkups and tests, but for Roach, the worst is over.

"At first, I didn't really believe him," she said. "I didn't believe it could just be that easy."

For now, Roach can concentrate on school and softball, as she has for the past four years. It will be a trying time for her as she continues to see doctors and specialists, but her resilient spirit and her faith in God will undoubtedly pull her through.

Emily's last month has been a harrowing experience. Her strength and perseverance is an inspiration to everyone who knows her and to anyone who hears her story.

From SOCCER on Pg. 6

the home team, but the Lady Chargers were able to pull one back in the 87th minute.

The men's team plays its next home match Sept. 19 against Christian Brothers, while the Lady Chargers will face Harding on Sept. 24 at Charger Field.

From INVITATIONAL on Pg. 6

The awards ceremony will begin around 10:30 a.m.

This meet will serve as the pre-region meet for the upcoming Division II South Region. The Region meet will be held at the same park on Nov. 20. More information is available at www.uahchargers.com.

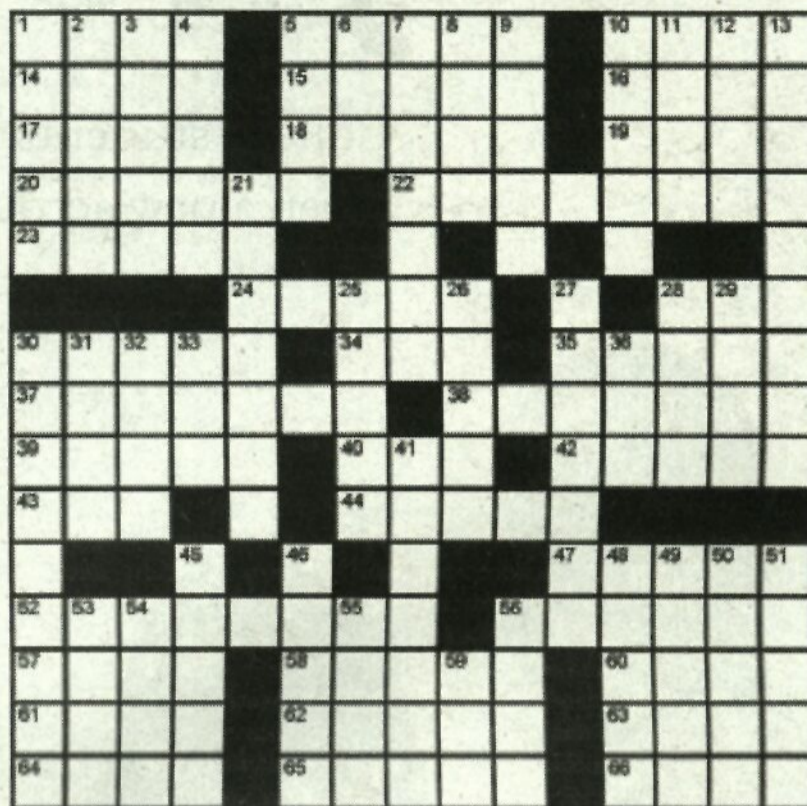
Crossword

Across

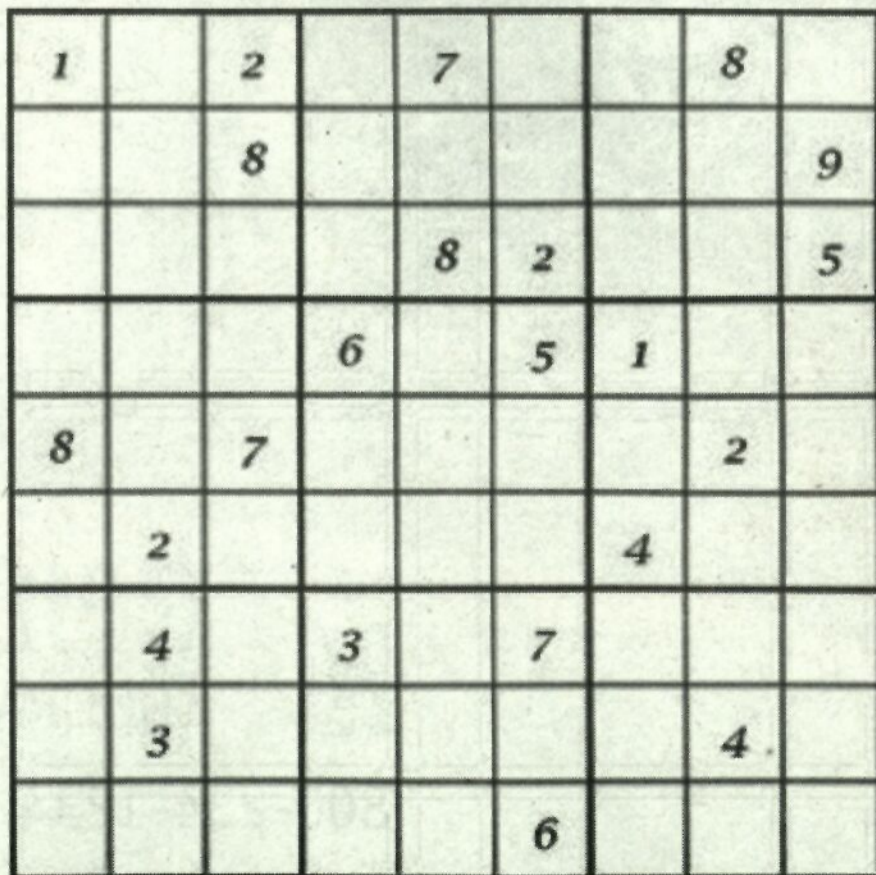
- 1. Strikes
- 5. Celestial body
- 10. Abbreviated abbreviation
- 14. Exclude
- 15. Alert
- 16. Function
- 17. Goo
- 18. Male name
- 19. Rake
- 20. Female name
- 22. Remote
- 23. Exchange
- 24. Fermented fruit juices
- 28. Document
- 30. Dice game
- 34. Slippery person
- 35. Tailless amphibians
- 37. Pleasing
- 38. No longer in existence
- 39. ---- acid, protein building-block
- 40. Hue
- 42. Primitive aquatic photosynthesizing organisms
- 43. Base of the decimal system
- 44. Hayseed
- 47. Walk (3,2)
- 52. Sideways
- 56. Secondary pipe
- 57. Vex
- 58. Horse harnessed alongside a vehicle's shaft
- 60. Hawaiian dance
- 61. Send forth
- 62. Female given name
- 63. Chinese gelatin
- 64. Debutantes
- 65. Elude
- 66. Borders

Down

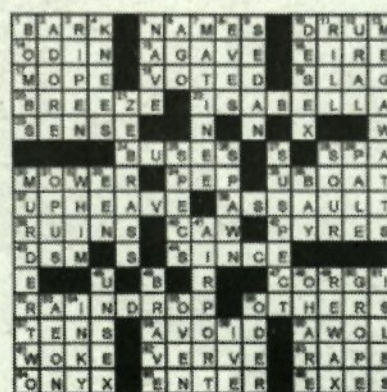
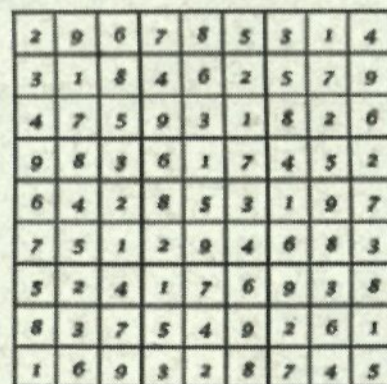
- 1. Fowl shelter
- 2. Love affair
- 3. Open Italian pie
- 4. Place
- 5. City in NW France
- 6. Operating late at night
- 7. Afternoon performance
- 8. Near-Earth asteroid
- 9. Male voice
- 10. Marshal
- 11. Start
- 12. Low in spirits
- 13. Train again (2-7)
- 21. Paperboy
- 25. Destitute
- 26. Streamlined
- 27. Mortally
- 28. Manure
- 29. Grampus
- 30. Made a confusion of noises
- 31. Hoar
- 32. Consanguine
- 33. Greek god of forests
- 36. Naught
- 41. Sang by changing between falsetto and normal voice
- 45. Confronts
- 46. Effaced
- 48. Hebrew dry measure
- 49. Appraise
- 50. The Muslim world
- 51. Persons of great authority
- 53. 10-year prison sentence
- 54. Pat
- 55. Musical composition for one
- 56. Scottish slope
- 59. Engineer (abbrev)



Sudoku



Solutions to last issue's puzzles:



five free pizzas!

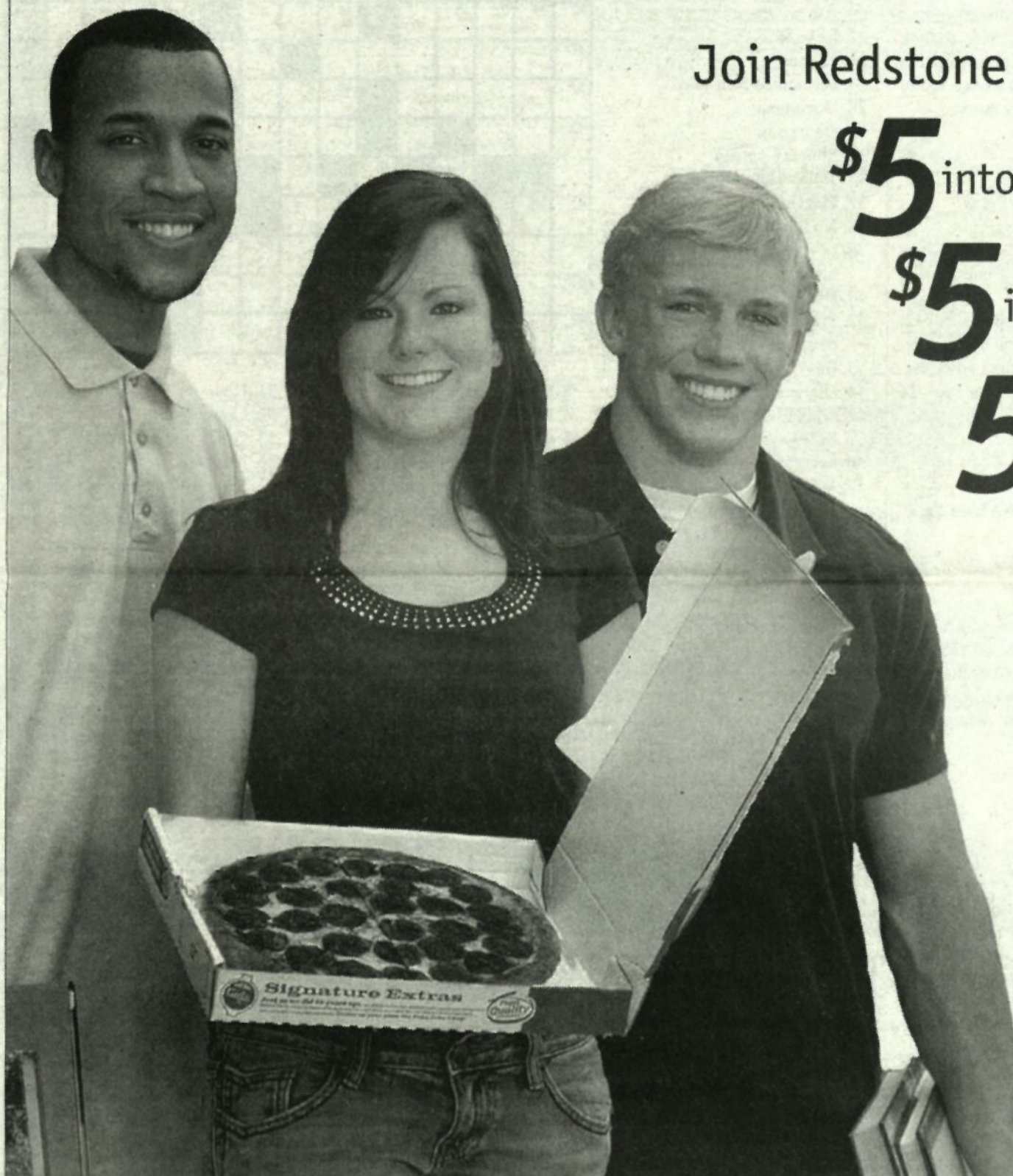
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