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The Exponent

The Student Newspaper of UAH

Volume 42, Issue 9

November 4, 2010

ARTS & LEISURE BRIEFS

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See **RANKINGS** on Pg. 2

Blue skin, long and braided hair—if it doesn't make you think of "Avatar," you might have been hibernating the past year. As students dressed up in an assortment of costumes for about 10 parties going on at the same time, Tracy McConaughy and Josh King brought the world of Pandora to UAH.

See **HALLOWEEN** on Pg. 3

SCIENCE & TECH BRIEFS

Considering the resources that go into military development, one wonders what goes on specifically. This is a brief report on General Dynamics, which is ranked as the fifth-largest defense contractor in the world as of 2008. The company is a conglomerate made up of around 43 businesses, such as Gulfstream Aerospace Corporation, a major jet aircraft producer.

See **SERIES** on Pg. 5

SPORTS BRIEFS

On Nov. 1, the Lady Chargers soccer team fell to the Shorter College Hawks by a score of 1-0. The match was a slow one, but also at times was a definite struggle between the two teams. The Chargers dominated the field in the first half with nine shots, seven of which were on goal. Kadajah Jannah and Luting Sun, both with three shots, led the Chargers.

See **SOCCER** on Pg. 6

INDEX

Arts & Leisure.....	2
Science & Tech	5
Sports	6
Puzzles	7

Wernher von Braun Memorial Symposium Brings Together International Representatives

SALOME SALIASHVILI
Staff Writer

"Mars is in our grasp," Lockheed Martin's John Karas declared at the third annual Wernher von Braun Memorial Symposium. He referred to the future of space exploration and development in collaboration with the world's top space agency heads.

The first major topic of the symposium was U.S. Space Policy, 2010 Perspectives. Panel speakers included five members of the NASA administration as well as government agency representatives such as the former Director of the National Security Council. The policy's goals include re-energized domestic industry competitiveness, increased stability, newly developed technologies and improved space (as well as Earth) observation.

The international perspectives on the Future Use and Development of Space began with a gathering of the Washington Office heads of the European Space Agency, the Japan Aerospace Exploration Agency, the regional state secre-

tary of Germany and an Indian Embassy representative.

The ESA representative spoke about myths about the agency, such as inefficiency. Its low budget restricts the ESA's capabilities and is only half of NASA's budget, which makes space exploration a low priority. The European Union promises to improve this, however.

Sixty percent of its needs are provided by U.S. companies, which contradicts the idea that the ESA is uninvolved with the U.S. ESA has 18 countries or members, with major plans concerning an International Space Station.

The ISS plays an important part in the Japan Aerospace Exploration Agency's plans as well, which has one-tenth of NASA's budget, with 25 percent going toward the ISS. Its capabilities are only limited through budget constraints.

The Indian Space Research Organization, meanwhile, has been conducting international flights for decades, and continues to supply information to the international community through its satellites.

UAH has just partnered with

Rostock University in Rostock, Mecklenburg-Vorpommern, Germany, for co-op programs as well as collaboration in research. The rektor, or highest academic official, of the university talked about the future of aerospace, which depends on today's students and such partnerships as the universities' ties.

Major business operators such as NASA, ATK, Pratt & Whitney Rocketdyne, Lockheed Martin, Boeing and Aerojet discussed a future space industrial base. Stability was one of the main points; it is important to know the outlook for incoming engineers who need guarantees. Another point is dealing with the idea across all companies that "cost is king," which leads to high levels of consolidation, or factory reductions into one facility, while keeping the same capabilities. These consolidations result in higher efficiency, but inventories pile up as capabilities fail to be utilized.

Most agreed to approving a Mars project as a way to collectively tackle problems, such as long-term goals for planning ahead, as well as short-term deadlines that a

Mars mission in 2036 would impose. An example is an advanced propulsion system to make a Mars mission happen, such as the laser propulsion system being researched on campus by Dr. Fork.

The underlying message of the whole symposium was collaboration within the international space community, something already underway as well as expanding.

A presentation honoring NASA and its history briefly covered NASA's projects and past accomplishments, such as the Hubble telescope; its creation of one of the heaviest shuttle cargos; and its developments of the ISS.

The symposium, sponsored by the American Astronautical Society in conjunction with UAH, the Huntsville National Space Club and NASA, lasted three days. The cost was \$450 per attendee, while the university covered the \$100 admission cost for students who wished to attend. The sheer number of notable panel speakers revealed the importance of the conference, which highlights the university's strategic location at the heart of the space industry.

Campus-Wide Art Project Brings Together UAH Community



Photo by: Salome Saliashvili

SALOME SALIASHVILI
Staff Writer

From Nov 1-12, the Art Club is displaying works of art in the Salmon Library Gallery. Art majors and other students, professors, and random people who happened to stop by the library all contributed to a project to create artworks ranging from sculptures to pen drawings.

On Monday afternoon, the Art Club brought materials with no plans or designs in order to create what club President Tabatha Jarmulowicz called "a true collaboration." The club hoped that students would come together and add their visions to form united artwork.

The purpose was not only to involve UAH students in more cre-

ative projects and to put them more at ease with it, but also to bring the art community out into the larger campus community.

One contributor put up chicken wire, while a bit later somebody added flowers to it in what Jarmulowicz explained was a "visual communication." Contributors stopped by for as long as they wanted and added as little or as much artwork as they liked, creating a very free and relaxed atmosphere.

The project was a success, as more and more students poured in. As a result, the room took on a definite personality.

Jarmulowicz is optimistic that the project will return next year or even next semester, depending on the response.

Independent Regional Film "A Genesis Found" to be Screened at UAH

KATE BLAKE
Copy Editor

At 7 p.m. on Nov. 11, Wonder Mill Films will hold a free screening of writer/director Lee Fanning's independent movie "A Genesis Found" in Salmon Library Room 111. Doors open at 6:30 p.m., and the screening is free and open to both students and the community.

The adventure/mystery film tells the fictional story of the discovery, cover-up and rediscovery of a skeleton neither human nor animal at the archaeological site of Moundville, Ala. Initially discovered by John Patton Jr. (Bennett Parker) in 1938, Patton, disturbed by the find, hides the skeleton. Seventy years later, his grandson Gardner (Eliot Moon) agrees to collaborate with his cousin Bart Thompson (Luke Weaver), a documentarian, on a new shoot—only to find out that Thompson actually intends to uncover the truth about the mysterious skeleton.

Though Gardner is skeptical at first, he soon finds himself not just drawn into the mystery, but obsessed with it, theorizing that this skeleton could be a direct link to God.

The film is a "Do-It-Yourself" venture shot entirely in the Southeast and is being promoted via a tour of colleges and universities in

the region. Fanning, who will attend most of the screenings, hopes that the alternative distribution, as well as its regional appeal, will increase possibilities for DIY filmmaking in the Southeast.

"What we hope to encourage . . . is the perspective that films can be more than just a product of an 'industry,'" Fanning said in his press release. "Each is a carefully constructed expression, and as such are colored by where they are made. Just as others advocate foreign films, we advocate regional films as a viable alternative to studio or bigger 'indie' films."

However, even for those who are uninterested in supporting regional films, the movie's unique adventure/mystery story will draw audiences in. The first 50 in the door will receive a free DVD with clips, trailers and featurettes, and copies of the movie itself, as well as its book accompaniment, "A Genesis Found: The Film Companion," will be on sale. A Q & A with Fanning will follow the screening.

For more information, visit <http://agenesisfound.com>, which includes a preview of the behind-the-scenes documentary included on the DVD, as well as a bi-weekly online comic strip, "Southern Truths Featuring John Patton Jr." Follow Fanning's travel blog at <http://sonofarkie.com>.

UAH Researcher's Formula Used in Bowl Championship Series Rankings

TOM BURWELL
Staff Writer

Dr. Wes Colley, a research scientist at UAH's Center for Modeling, Simulation and Analysis,

compiles one of the six official computer rankings used by the NCAA's Bowl Championship Series rankings to determine college football's national championship. Almost everything you could hope

to learn about Colley's formula can be found his website, colleyrankings.com. The following are some of the key points.

- The Colley Matrix has been an official part of determining college football's BCS national championship matchup since 2001.
- Colley, a lifelong football fan, created the ranking in the late 90s because, as he states, "The New York Times computer rankings were ridiculous."
- Unlike the other BCS computer rankings, the exact Colley Matrix formula is available online for others to verify the results and critique the methodology.
- Colley's formula ignores the location of the game, taking into account only wins, losses and the quality of a team's opponents. The BCS barred margin of victory from computer formulas in 2001, and four of the six computer formulas include home field as a component.
- Colleyrankings.com also applies the Colley Matrix formula to NCAA men's basketball.

Colley explains on his website, "A very reasonable question may . . . be, 'Why can't one just use winning percentages, as do the N[ational] F[ootball] L[eague], N[ational] B[asketball] A[ssociation], N[ational] H[ockey] L[eague] and Major League, to determine standings?' The answer is simply that in all those cases, each team plays a very representative fraction of the entire league (more games, fewer teams).

"In college football, with 117 teams and only [12] games each, there is no way for all teams to play a remotely representative sample," he goes on. "The situation demands some attention to 'strength of schedule,' and it is herein that [lie] most of the complication and controversy with the college football computer rankings.

"The motivation of the Colley Matrix Method is, therefore, to use something as closely akin to winning percentage as possible, but [one] that nonetheless corrects efficiently for strength of schedule."

Colley assumes each team has a true winning percentage (TW%), which would be its winning percentage if it played a representative schedule, as professional teams do.

Determining this true winning percentage can be thought of as a massive game of "think of a number between one and 100." First, Colley guesses that each team's TW% is 50 percent (one-half). He then uses the data of week one's results to determine if his initial guess was too high or too low.

The guess for the team that wins is bumped up to 67 percent (two-thirds), while teams that lose are knocked down to 33 percent (one-third). One problem with this analogy is that we can never know for sure when our guess is right. The data of a week's results can be used to try to be as accurate as possible, however.

"The simple statistic developed in the last section would suffice to produce a ranking if we were confident that all teams had played

a schedule of similar strength, or for instance a round-robin tournament," Colley states on his website. "While a round-robin with 117 teams would require 6786 games, Division I-A teams play typically a tenth [of] that, so there is absolutely no assurance that the quality of opponents from team to team is close to the same."

So, in order for our true winning percentage guesses to be as accurate as possible, we have to come up with a way to account for each team's strength of schedule.

To account for strength of schedule, Colley applies an iterative approach, which involves a series of small adjustments to create a more accurate result. "Iteration," which comes from the Latin word

See RANKINGS on Pg. 7

Opinion: The Bowl Championship Series System

JONATHAN KEENUM
Staff Writer

The Bowl Championship Series has been in effect for college football since the 1998 season and has seen controversy ever since. Fans, coaches, players and the media have widely varying opinions of a system that was supposed to provide an undisputed national champion.

The controversy started in its very first year of existence. No. 1 Tennessee and No. 2 Florida State were obvious choices for the championship game, but No.3-ranked Kansas State was passed over for an invitation to a BCS bowl game. A rule was added that year that provided an automatic bid for a No. 3-ranked team.

A bigger controversy, and one that strikes close to home for many Alabamians, is the 2004 season, in which five teams finished undefeated. Utah and Boise State played in much weaker conferences, leaving the championship game to be played between two of the other three undefeated teams: the University of Southern California, Oklahoma and Auburn.

The BCS selected the Trojans and Sooners to play for the title, leaving Auburn in a still-prestigious bowl, but less than what the team felt it deserved. USC went on to blow out Oklahoma 55-19, as Auburn went on to win its game against Virginia Tech, leaving many wondering if Auburn should have gone in Oklahoma's place.

Most fans will agree that Alabama was the best team in the

nation last year, but some will argue that Boise State deserved the chance to play the team, instead of Texas. The Longhorns had barely avoided a defeat by Nebraska in the Big 12 title game, but were able to maintain the No. 2 ranking, thanks in part to another weak schedule by Boise State.

The Broncos were then able to destroy No. 4 Texas Christian University in the Fiesta Bowl. Even this year, the Broncos are trying to climb in the rankings, and despite their undefeated record, their weak schedule could once again keep them out of the championship.

Despite the system's flaws and controversies, most head coaches stand behind the BCS.

"I think college football has the most exciting regular season of any sport because there isn't a playoff system," Georgia Head Coach Mark Richt said. "The whole season is a playoff system."

Arkansas head coach Bobby Petrino agreed and pointed out that the season is already long enough for the players. "It puts a tremendous amount of stress and fatigue on our players," he said. "Everybody needs to relax a little bit and understand the players are here to get an education. Let's make the conference championships a big deal and make the bowl games a reward. I hope that we never do see a playoff."

Oklahoma's Bob Stoops, Boise State's Chris Petersen and Ohio State's Jim Tressel are other coaches who are outspoken about

See VIEW on Pg. 7

The Exponent

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Charger Chic: Halloween Edition

SALOME SALIASHVILI
Staff Writer

Blue skin, long and braided hair—if it doesn't make you think of "Avatar," you might have been hibernating the past year. As students dressed up in an assortment of costumes for about 10 parties going on at the same time, Tracy McConnaughey and Josh King brought the world of Pandora to UAH.

Diverting from the traditional witch and zombie costumes, those dressed in "Avatar" costumes reflected the previous 10-months' phenomenon—a phenomenon that grossed \$2.7 billion worldwide and was 10 years in the making.

The details of McConnaughey's and King's costumes appeared authentic. The dots on their faces, the black streaks and especially the convincing blue skin had everyone doing a double take. Their clothing was also faithful to the movie, even their accessories.

This is the true essence of Halloween, dressing in a way that any other time would be considered strange. Maybe hippies got away with it a few decades ago, but now, even they have been added to the list of costumes.

Throwing on a last-minute combination, though, still works for those occasions where it's simply your only option.

A cool idea leads to a fashion move that is only possible at Halloween. The night brought out Han Solo; a typical UAH engineering student (which added a touch of realism); an assortment of zombies; a cupcake; and Waldo (of the "Where's Waldo?" books).

For most people, Halloween is fun; for some, it doesn't matter; and for a few, it's a nuisance. Revelers in Canada, the U.S., the United Kingdom and Ireland (where Halloween originated) treat it as an excuse for getting dressed up and goofing off. Most also agree that it's the most fun in the college years. Right now, Halloween parties are definitely in fashion.



Photo by: Salome Saliashvili

Women's Studies Sponsoring "The Yellow Dress"

DREW WOOLLEY
Staff Writer

The UAH Women's Studies Program will be sponsoring a showing of "The Yellow Dress" at 7:30 p.m. in the Chan Auditorium on Nov. 9.

The play, written by Deborah Lake Fortson and originally produced in 1995, will be put on by Deana's Educational Theater, an organization founded in memory of a young woman, Deana Brisbois, who was the victim of dating violence. The production is a one-woman play dramatizing the issues surrounding dating violence and sexual assault. The 30-minute show is also followed by a question and answer session led by the actress Annie Cazel.

"We hope to raise awareness and understanding of the issues surrounding dating violence," said Dr. Molly Johnson, a member of the advisory committee for UAH's Women's Studies Program as well as the director of the Women's Studies Program. "We also hope to foster open communication among UAH students about how to recognize, prevent and respond to dating

See DRESS on Pg. 5

Event Calendar

Nov. 4

- The opening reception for "Cyanide and Satin," Nice Centanni's senior art exit show, will be held in Union Grove. Free food and refreshments will be served. 4:30-7 p.m.
- Aquariums, a Nashville singer/songwriter, performs at the Flying Monkey. 8 p.m. \$5

Nov. 5

- The Flying Monkey Open House, which is usually held Saturday afternoons, will be held from 5-8 p.m. There will be art, jewelry and vintage clothing for sale. Free and open to the public.
- In Irons, Dead Heroes, Roaming Cloud, and Freeman Gray perform at Planet Avalon in Decatur. 5 p.m.-10 p.m. \$8
- Monkey Speak, the Flying Monkey's monthly open-mic night, will be held at Lowe Mill. Readers of poetry, short stories and more are invited to participate. Mature audiences only. 8 p.m. \$5

Nov. 6

- The Women's Leadership Council will present Girls' Science and Engineering Day at the Shelby Center. Activities will include missile simulators, making DNA bracelets and microscopic viewing. 11 a.m.-4 p.m. \$20
- Scott Morgan performs at 801 Franklin. 8 p.m.
- Toy Shop performs at Humphrey's Bar and Grill. 8 p.m.

Nov. 7

- The Sunday Blues Jam, hosted by Freddy Earl and the Blues Mercenaries, will be held at the Kaffeeklatsch. 8 p.m.
- Red Headed Step Child performs at Bandito Southside. 8 p.m.

Nov. 8

- Greg Rowell hosts an acoustic open-mic night at the Kaffeeklatsch. Bring an acoustic guitar and play a cover song. 8 p.m.
- Dan Sartain performs at the Voodoo Lounge. 8 p.m.
- Tuesday's Hangover performs at Bandito Southside. 8 p.m.

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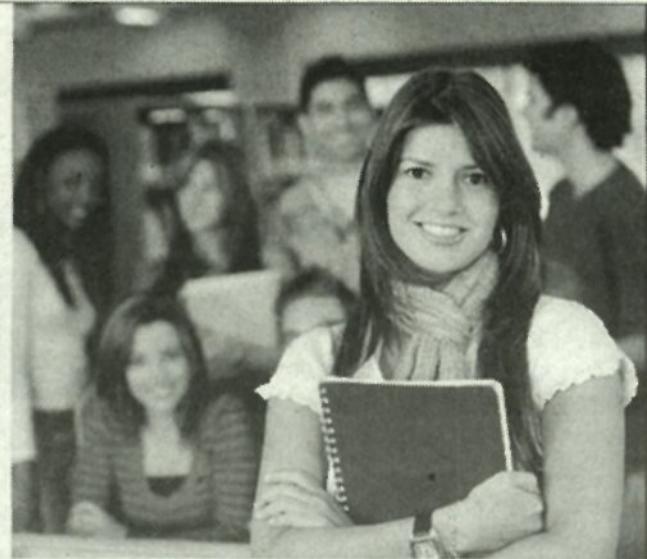
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Chattanooga, Tennessee: A Mini-Vacation on a Budget

RACHEL PALAZZO
Staff Writer

Fall break couldn't have come soon enough this year, but now that it's over students are counting down the days until Thanksgiving break. It's a never-ending cycle for college students, who are always in need of a vacation—but why not quit waiting and take an affordable mini-vacation?

There may not be much to do in Huntsville, but there are plenty of nearby destinations just waiting to be explored. One nearby city students might want to check out on a day trip or for a weekend adventure is Chattanooga, Tenn.

Sure, Chattanooga is no Pana-

ma City Beach, but it's only about a two-hour drive from Huntsville, and it has plenty of fun things to do. Chattanooga is home to the Tennessee Aquarium, Rock City, Ruby Falls, Point Park and the Hunter Museum of Art.

Rock City is a beautiful walking path located on Lookout Mountain, which has a view of seven states. Ruby Falls is the world's highest underground waterfall. Right down the street from Rock City is Point Park, a commemoration of the Civil War skirmish nicknamed "Battle above the Clouds."

After checking out the attractions on Chattanooga's Lookout Mountain, head down to the Tennessee Aquarium to see the pen-

guin exhibit and butterfly house. The Aquarium is conveniently located near eateries such as the Mellow Mushroom, and the art district, where the Hunter Museum of Art is located, is just a short walk away from the Aquarium. The museum has a fine collection of American art and a fantastic location on the edge of the Tennessee River.

It's also next to the pedestrian bridge crossing the river. The bridge, with its beautiful view of the sun setting over the river, is the perfect ending to a day in Chattanooga.

Chattanooga is a nice getaway from the stress of college life. A student can visit all of these attractions for less than \$80, not includ-



Hunter Museum of Art viewed from the pedestrian bridge. Photo by: Rachel Palazzo

ing gas money. Group rates are also available at most of these places, so take advantage of the offer and go with a group of friends.

Meet the Campus Unicyclist, Nick Hanson

SALOME SALIASHIVLI
Staff Writer

We've all seen him. His ride is the tallest, and he towers all as he goes by. You might say "Yeah, the unicycle guy." His name is Nick Hanson, a sophomore computer engineering student here at UAH.

"My dad had [a unicycle] in the garage, and I was inspired to ride it, so I did," Hanson said.

How many times did he fall? "Countless [times], in that I wouldn't keep track of it." Few falls were serious, though—mostly he just landed on his feet.

He has had numerous protégés throughout his unicycling career, starting in high school and continuing to this day. Most recently, his roommate has learned how to ride a unicycle, and some of his friends have obtained their own unicycles, thus spreading their use.

"It's more efficient than walking," Hanson said, though comparing it to a bike, he stated, "I can't coast, so biking has a significant advantage, and [with a bike you] can go a lot faster. [They are] a little more stable."

See UNICYCLIST on Pg. 7



Photo by: Salome Saliashivli

INTERNATIONAL EDUCATION WEEK

November
15-19, 2010



World Traveler Photo Contest Photo submission deadline: **November 8**
On display in the Salmon Library gallery all week
Voting on Wednesday, November 17
7:00 pm @ the Salmon Library

Tree of Cultures On display in the Salmon Library gallery all week
Please submit fabrics, ornaments, and trinkets from your country

Harvest Dinner **Monday, November 15**
4:30 – 7:30 pm @ the Baptist Campus Ministries Building

International Expo **Tuesday, November 16**
10:30 – 1:30 pm @ the University Center


Keynote Address **Wednesday, November 17**
Dr. Randy Cross – "Thank you, Senator Fulbright"
Presentation • 6:00 – 7:00 pm @ the Chan Auditorium
Reception • 7:00 pm @ the Salmon Library

Day Trip to Nashville, TN **Saturday, November 20**

Nashville Day Trip
9:00 am – 9:00 pm; Saturday, Nov. 20

- Spend a day at Nashville's Music Row and the famous Opryland Hotel
- Transportation will be provided – you only pay for your lunch and dinner
- Open to all international UAHuntsville students
- Seats are limited – availability is on a first-come, first-serve basis
- Sign-up in Madison Hall 137 (Office of International Programs and Services)

Keynote Speaker



Dr. Randy Cross, a two-time Fulbright Scholar, is the co-editor of *Laughing Stock* (the autobiography of T. S. Stribling), and the author of introductions for three of Stribling's novels. He has delivered hundreds of lectures on Southern literature and history for Auburn University's Arts and Humanities Center and the Alabama Humanities Foundation. Dr. Cross serves as an instructor in the Language and Literature Department at Calhoun Community College.

For details and more information: please visit <http://oip.uah.edu>

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The UAH Apollo Project Recreates NASA Simulation-Building

MATT SAYAR
Staff Writer

The UAH Apollo Project is an ambitious, student-led organization at UAH that has as its main goal "design[ing] and fabricat[ing] our own Apollo Command Module flight simulator by January 1, 2012."

This team, which was chartered through SGA in January 2010, is heavily education-focused and seeks to help students apply their classroom knowledge to a project that could help bolster their resume.

"We want all of our members to come away from the project with more than they came [to it] with," Anneliese DeVylde, the team's communications and publicity team lead, said. "More knowledge, more experience, more practical understanding of the application of their classroom skills, a better idea of what they want to do with their degree, more friends [and] more contacts in the working world."

The actual simulator itself is based on the Apollo Command Module Flight Simulator that astronauts trained in for the Apollo missions. The team is working with other organizations on campus, in-

cluding the Institute of Electrical and Electronics Engineers, to help build those physical components.

The software half of the simulation, which is being worked on in conjunction with UAH's Association for Computing Machinery chapter, will be more flexible and able to run on any desktop computer. When it's completed, the team plans to see the project grow into a long-term program that can be maintained and even expanded upon.

The organization, which consists of over 50 active students, is working diligently toward reaching their first milestone of constructing the first fully functioning control panel. The group allows students to participate as much or as little as they can, depending on their course load. As the semester nears the end, fewer students are able to contribute, leaving the group slightly behind schedule.

"Our project manager, Zach Groff, has put together a progressive new strategy to put us back on schedule, though, and that new strategy is working wonderfully for us," DeVylde said.

The group is always accept-

See PROJECT on Pg. 7

Huntsville Company Series: General Dynamics-Strength on Your Side

SALOME SALIASHVILI
Staff Writer

Considering the resources that go into military development, one wonders what goes on specifically. This is a brief report on General Dynamics, which is ranked as the fifth-largest defense contractor in the world as of 2008. The company is a conglomerate made up of around 43 businesses, such as Gulfstream Aerospace Corporation, a major jet aircraft producer.

Four business groups define the company and ensure its international success. The business groups break down into the following areas: Aerospace, Combat Systems, Marine Systems, and Information Systems and Technology.

General Dynamics C4 Systems is a worldwide business unit of the company, which has an office in Huntsville. It integrates secure communication and informa-

tion systems as well as technology. They are a part of the U.S. Army at Redstone Arsenal, which awarded the C4 Systems \$12.2 million for a Tactical Airspace Integration System. This system provides army commanders 3-D visual awareness in scenarios generated by a computer. It is simply mounted on a Humvee and is self-contained.

The company has a \$30 billion sales revenue through its diverse products, such as the GAU-17, 19 miniguns, armored vehicles, jets and tanks.

Virginia class nuclear-powered submarines are the cheapest of the variants. They dive at 800 feet and operate on pump-jet propulsions that increase their stealth, being quieter and faster. Their production will be increased to two a year starting in 2012, though a Senate committee declared the pace insufficient for a decent fleet.

Consequently, there is a push

for innovations in cost reduction, which would lead to faster production. There is a danger, though, of cutting quality for cost, instead of coming up with new ways.

General Dynamics has also built 28 Arleigh Burke class destroyers, which are armed with over 90 missiles and are the first destroyers to be built on the powerful radar and guiding weapons system Aegis Combat System. These destroyers are extensively used and continue to be built after 25 years. The company's advanced Strykers, a family of eight-wheeled armored combat vehicles, have also met with huge success.

Last week, General Dynamics Information Technology received \$24.8 million to manage immigration credentials production for the Department of Homeland Security.

One of the companies of Gen-

See SERIES on Pg. 7

From DRESS on Pg. 3

violence when it happens."

Johnson stated that it is particularly important for the play to be shown on college campuses.

"Dating violence is a very real issue on college campuses," she said. "According to the 2010 Annual Report of the Alabama Coali-

tion Against Domestic Violence, each year 2.3 million people in the United States are raped or physically assaulted by a current or former partner. Girls and women from the ages of 16 to 24 are most likely to experience such violence."

The show is also being put on with the support of a grant from the American Association of Uni-

versity Women, who will also be sponsoring a performance at Redstone Arsenal. Admission is free to UAH students who show their ID at the campus showing. Students from other schools will pay \$5 and general admission will be \$10. All profits from the showing will go to the Crisis Services of North Alabama.

Global Studies Abroad 2011



Theatre in Greece
May 9-20, 2011



History in Rome
May 13-29, 2011



Spanish in Spain
May 14-June 5, 2011



The Global Studies Program provides a variety of study abroad courses and programs for students at UAHuntsville. In 2011, five faculty-led trips will be offered to UAHuntsville students, as well as other summer programs. Earn UAH credit for the course and have the amazing life experience of traveling abroad. Please visit, call or email for specific information about each trip.

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Nursing in London
May 16-29, 2011



Photography in England
Travel in Summer 2011

Registration Begins
November 9

Volleyball Season Coming to an End



Photo courtesy of UAH Athletics

JONATHAN KEENUM
Staff Writer

Volleyball season is quickly coming to an end, but fans can still catch one more home game before it is all said and done.

It has been another tough year for the girls. There have been matches decided by one set coming in heartbreaking fashion, and sets determined by just a few points

that could have went either team's ways. Several of these games have shown promise for the young team, but UAH is still lacking the experience that other teams have. Despite the frustration they have continued to play hard and not give up.

The Lady Chargers were able to finally win a set against UNA for the first time since 2005, but were unable to come away with the match. In the games before that the girls were defeated in a pair of five-game sets. The ladies then began their four-game road tour before coming home Nov. 5 for the final game of the year.

Soccer Season Ends with Losses to Shorter College

NOAH TODD
Staff Writer

On Nov. 1, the Lady Chargers soccer team fell to the Shorter College Hawks by a score of 1-0. The match was a slow one, but also at times was a definite struggle between the two teams. The Chargers dominated the field in the first half with nine shots, seven of which were on goal. Kadajah Jannah and Luting Sun, both with three shots, led the Chargers.

In the second half of the match the Lady Hawks rallied to control the rest of the game. In the 64th minute (64:32), the Lady Hawks took the lead with a goal from Brehisy Zungia. They continued to control the second half of the match with eight shots with one goal to the Chargers' seven shots.

Thus the season ends with a fall to Shorter, but the Lady Chargers ended their 2010 season with a record of eight wins, eight losses and no ties. (8-8-0)

Monday's game was also Senior Day for the Chargers. The

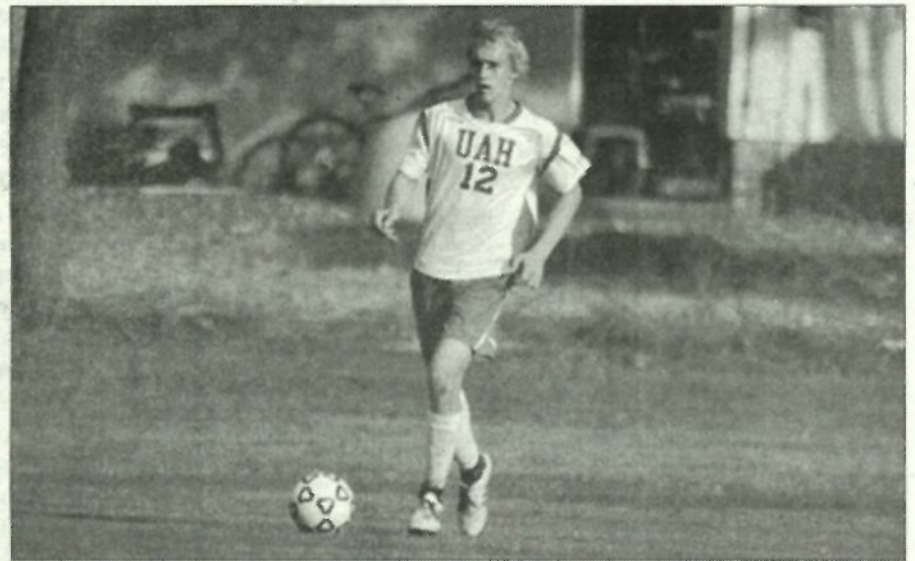


Photo courtesy of UAH Athletics

Lady Chargers said farewell to their three seniors: Ashley McWhirter, Paige Boersma and Lindsay Lee.

The men's contest was definitely a test of will for the Chargers. The Shorter Hawks took the first half with a goal by Matthew Dinsmore in the 37th minute (37:34). The Hawks controlled the first half with 11 shots to the Chargers' five.

In the second half the challenge ramped up between the Chargers and the Hawks as UAH took the fight to Shorter. Though the Hawks came out early with a goal by Pierce Kiemi in the second minute (47:39), this goal only increased the Chargers' desire to win.

In the 71st minute (71:45),

sophomore Tony Stock took the first goal for the Chargers off of a penalty kick. However, the drive of the Chargers was just not enough to stop the Shorter College Hawks. The Hawks took the game 2-1.

The Chargers' regular season ends with a record of four wins and 12 losses. The team heads to Pensacola, Fla., on Nov. 5 for the opening round of the Gulf South Conference tournament. Their opponent is still TBA.

The Chargers say goodbye to the following seniors this year: Tyler Early, Rob Eckensweiler, Myles Harding, Kota Kashiwagi, Andres Flores and Tomoaki Matsuo.

The teams wish good luck to all of the seniors as they go on their way.

CHARGER SPORTS SCORES

Ice Hockey Record 1-6-1

October 29 Michigan State Chargers	4 4
October 30 Michigan State Chargers	2 1

Men's Soccer Record 4-12-0 GSC 2-3-0

October 30 Georgia Southwestern Chargers	2 3
November 1 Shorter Chargers	2 1

Women's Soccer Record 8-8-0 GSC 3-4-0

October 30 Georgia Southwestern Chargers	2 5
November 1 Shorter Chargers	1 0

Volleyball

Record 10-23 GSC 2-6

October 29 Valdosta State Chargers	3 1
October 30 West Florida Chargers	3 0
October 30 Spring Hill Chargers	2 3

CHARGER SPORTS CALENDAR

Ice Hockey Record 1-6-1

Date	Opponent	Site	Time
November 5	Ohio State	Away	6:05 p.m.
November 6	Ohio State	Away	6:05 p.m.

Men's Basketball Record 0-0-0 GSC 0-0-0

Date	Opponent	Site	Time
November 8	Alabama	Away	7:00 p.m.

Women's Basketball Record 0-0-0 GSC 0-0-0

Date	Opponent	Site	Time
November 6	Alabama	Away	12:00 p.m.
November 9	Mid. Tennessee State	Away	6:30 p.m.

Men's Soccer Record 4-12-0 GSC 2-3-0

Date	Opponent	Site	Time
November 5-7	GSC Tournament	Away	TBD

Women's Soccer Record 8-8-0 GSC 3-4-0

Date	Opponent	Site	Time
November 5-7	GSC Tournament	Away	TBD

Volleyball

Record 10-23 GSC 2-6

Date	Opponent	Site	Time
November 5	West Georgia	Home	7:00 p.m.

Cross Country

Date	Event
November 6	GSC Championship (5k, 8k)

Lady Chargers Set to Begin Basketball Season

JONATHAN KEENUM
Staff Writer

The Lady Chargers wanted to open up exhibition play with a challenging competition, and Head Coach Roy Heintz did just that. The women have played Florida State and are scheduled to take on Alabama and Middle Tennessee State over the next few days.

Coach Heintz gave his young team a huge test by scheduling an Elite Eight participant from last year's NCAA tournament. The Lady Seminoles proved the superior team, winning 122-58, but the Lady Chargers showed a lot of promise. The women hung in there early, down only 8-5, before Florida State University players started

hitting a flurry of three-pointers and picking up their tempo.

It will be another tough road game for the women when they travel to Tuscaloosa on Nov. 6 to face off against the Crimson Tide. The team will get two days' rest before heading to Murfreesboro, Tenn., to play another tournament team, Middle Tennessee State. The tough competition should better prepare UAH for the upcoming season.

The season opens up at home Nov. 15 against Fisk in the first-ever meeting between the two teams. The women hit the road for their next two games before closing out the month with two straight home games against Delta State and Christian Brothers.



Photo courtesy of UAH Athletics

From RANKINGS on Pg. 2

iterum, for "again," means that we repeat the process until the change becomes insignificant.

"Because the 1-0 team beat a 0-1 team, worse than an average team, the 1-0 team is punished, and given only [five-sixths] of a win, whereas the losing team lost to a 1-0 team, better than an average team, and is rewarded by suffering only [five-sixths] of a loss," Colley says.

Applying the same logic, we see the next adjustment will favor the winning team, since the team

it beat has just five-sixths of a loss instead of a full loss, but by a much smaller amount. It turns out that for our two-team example, the process converges on 62.5 percent for the winning team and 37.5 percent for the loser.

The last step (the "Matrix" part of Colley's formula) applies the above calculations to situations involving multiple games and teams, a process that involves a hefty dose of linear algebra.

Much more information and in-depth analysis is available on Colley's site. Interested fans should check it out.

From VIEW on Pg. 2

their support of the system. Coaches tend to like that every game in the season is a big game. They also like the overall experience of a bowl game, which doesn't add as many games as a playoff system would.

Overall, the system has been successful and has made every week in college football relevant. Schools have benefited from the increased exposure they get by winning, and for the most part, the best team in the nation is the one holding up the trophy at the end of the year.

There is still one season that haunts the BCS, one which also reveals a common-sense solution to the problem.

College football's 2003 season is a lightning rod of criticism for many fans and sportswriters. The University of Southern California had earned the Associated Press #1 ranking, but Louisiana State University had a stronger computer ranking and the AP #2 slot. LSU finished the season undefeated and captured the BCS #1 spot, as well as the BCS national championship. USC beat Michigan in the

Rose Bowl and maintained its #1 AP ranking, and therefore the AP national championship. There thus were two champions in college football.

Fans may think, "Just play one more game and decide it on the field." They're absolutely right. There are currently no plans for a playoff system in college football, but a BCS "Plus-One" option may do the trick.

This format would allow one more game to be played between any AP #1 and BCS #1 at the end of the season in order to declare an undisputed champion. This would only be needed for situations such the one in 2003 and would only take place if both #1 teams won their respective games.

It doesn't solve every problem of the BCS, but it does make it better. Just having the option for a "Plus-One" game would virtually guarantee no more fiascos such as happened in 2003—unless several teams finished a season undefeated.

The system is not broken, but it is flawed. It may not need fixing, but there's nothing wrong with a little bit of fine-tuning until another solution is brought to the table.

From UNICYCLIST on Pg. 4

However, Hanson can also juggle while on the unicycle, so he's got it down pretty well.

But if you haven't seen Hanson around lately, you're probably on the northern side of the campus. As an engineering major, he only has one class in Morton Hall, which means that he has disappeared from some students' radar.

When he's not riding his unicycle, he likes to play computer

games such as Minecraft, a video game in which players can roam a virtual world and construct buildings with cubes. Otherwise, he hangs out with friends and has a typical college student's routine. And though for now he works at Redstone Arsenal, ideally Hanson wants to work for Google.

Hanson adds one more thing: "If you see me riding with headphones, I'm probably listening to The Killers."

From PROJECT on Pg. 5

ing new members. Project-wide meetings are held every second and fourth Friday of the month at 5:30 p.m. in the University Center, Room 127.

The group's next guest speaker will be Dr. Cynthia McPherson from the UAH communication arts department. She will discuss White Papers at 5:30 p.m. on Nov. 4 in the Shelby Center, Room 109.

From SERIES on Pg. 5

eral Dynamics is also set to negotiate a contract with the Israeli Ministry of Defense for an armored personnel carrier—an example of their global activities.

are numerous, including hundreds of million-dollar contracts, which allows for new developments, upgrades and productions. The importance and dominance of military productions on every scale across the globe is clear.

The activities of the company

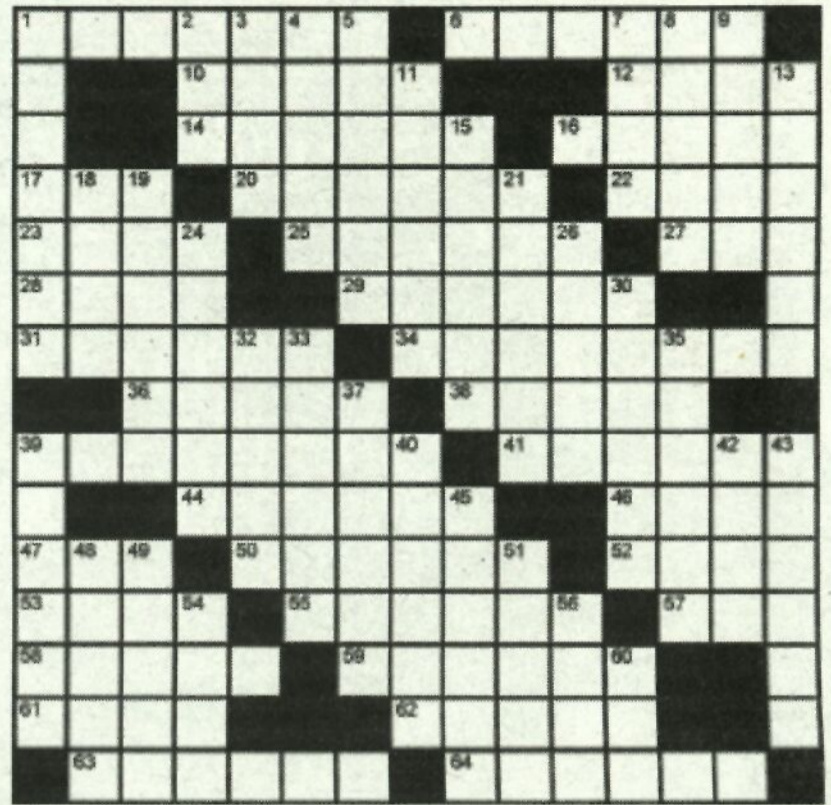
Crossword

Across

- 1. Crystalline minerals of aluminum silicates
- 6. Grape residue brandy
- 10. Recommends
- 12. Law officer
- 14. Drums
- 16. Sword
- 17. Male child
- 20. Search busily
- 22. Long, laborious work
- 23. Makes mistakes
- 25. One who cautions
- 27. Nocturnal bird
- 28. Flat-bottomed boat
- 29. Hat
- 31. Whack
- 34. Guard dog
- 36. Sprinkle
- 38. Land along the edge of a sea
- 39. Openings for undoers
- 41. Supercilious
- 44. Sees
- 46. Abrading tool
- 47. Connect to
- 50. Contemptuous term of address to an inferior
- 52. Golf mounds
- 53. Small nail
- 55. More nervous
- 57. Long-tailed rodent
- 58. Kind of tea
- 59. Bawled
- 61. Boor
- 62. Fishing net
- 63. Wrestling hold
- 64. Gnawing animal

Down

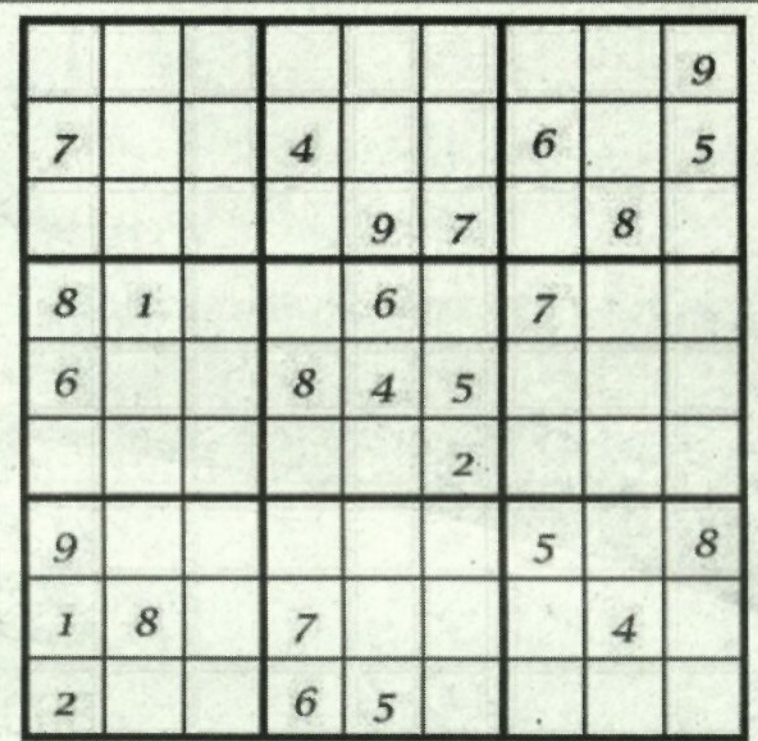
- 1. Most stinking
- 2. Prefix "beneath"
- 3. Academic (abbrev.)
- 4. US V-P
- 5. Grasp again
- 7. Edible legumes
- 8. ——— Picasso, artist
- 9. Shaft shot from a bow
- 11. Grief
- 13. Artificial leg
- 15. Medicinal shrubs
- 18. Shrewd
- 19. Lethargic
- 21. Ordinals of ten
- 24. Grass ridge
- 26. Scout
- 30. Economy
- 32. Crucifix
- 33. Australian sheep dog
- 35. Insubordinate one
- 37. Someone unpleasantly strange
- 39. Knapsack
- 40. Textiles
- 42. Bloodsucking insect
- 43. Pertaining to yesterday



- 45. Wind-powered vessel
- 48. Burning of another's property
- 49. Dough
- 51. Prefix for "sun"
- 54. Children's writer
- 56. Tear apart
- 60. Metal loop

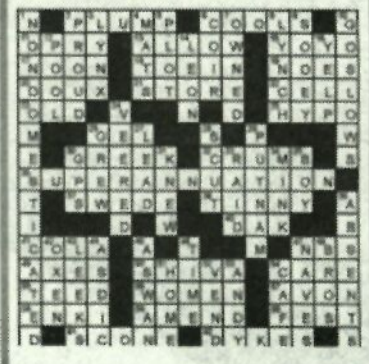
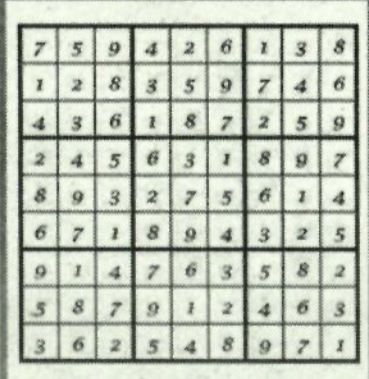
Action is the foundational key to all success.
~Pablo Picasso

Sudoku



Complete the grid so that every row, column and 3x3 box contains every digit from 1 to 9 inclusive.

Solutions to last issue's puzzles:





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