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The Exponent

The Student Newspaper of UAH

Volume 42, Issue 7

October 21, 2010

NEWS BRIEFS

October is Energy Awareness Month at UAH, promoting the understanding of environmentally friendly practices. The goal is to minimize cost as well as UAH's impact on the environment. Part of each student's tuition goes directly to paying the \$5.2 million utility cost of the campus, and the costs are growing—for example, this year saw a four percent increase in sewage costs.

See ENERGY on Pg. 2

ARTS & LEISURE BRIEFS

From Oct. 27-29 students associated with UAH's music department will perform "Opera Extremes" at 7:30 p.m. in the new Wilson Hall Theatre. Tickets are \$5 for students and \$10 for members of the community. Beginning with excerpts from Gioachino Rossini's "The Barber of Seville," host David Ragsdale intends to provide the audience with a brief tour of opera through a wide range of selections.

See PRODUCTION on Pg. 3

SCIENCE & TECH BRIEFS

Teledyne Technologies Inc. is a conglomeration of more than 55 companies that together execute various electronic components and subsystems. In Huntsville, Teledyne Brown Engineering Inc. provides next-generation frameworks, and Teledyne Solutions Inc. provides engineering services for the defense industry.

See TELEDYNE on Pg. 5

SPORTS BRIEFS

The UAH men's basketball team enjoyed a very successful season last year, finishing 23-7, making it their best year since posting a 25-11 record in 1982-83. This year could be even more exciting, with nearly all of their key players returning for the 2010-11 season.

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A Study Abroad in Panama Leads to Global Climate Change Research

SALOME SALIASHVILI
Staff Writer

Fourteen UAH students traveled to Panama for eight weeks over the summer for a Global Climate Change and Sustainable Development Research in the University program in collaboration with the Water Center for the Humid Tropics of Latin America and the Caribbean (CATHLAC). The program helped increase the international capabilities of the university as well as underlined the importance of globalization.

The study abroad variation was a pilot program, the aim of which was to establish a permanent presence in Panama, chosen for its biodiversity as well as for its canal. The program counted as two 400-level courses in earth systems sciences, during which the students lived with host families and attended classes, heard lectures and studied intensive Spanish grammar in afternoons. In between, they went

on outings and field research.

The participating students explored environmental problems facing humanity today and their worsening forecasts regarding energy and water. The program included collaborations with CATHLAC as well as NASA and the Smithsonian Tropical Research Institute in Panama. The solution to the problems of today is said to be technology.

Consequently, the students learned about the use of Geography Information Systems that map out areas. They also learned how to make future predictions, as well as the process of field research and using remote sensing data.

The students worked on eight different areas, such as the investigation of and possible solutions for water shortages of Taboga Island and the vitality of tourism on Emberá (a territory inhabited by indigenous peoples). At Emberá, they studied the effects of deforestation and climate change, which threaten

tourism.

Another project was the accuracy of different weather forecast models as compared with real, ground-level measurements.

The students heavily researched the sugarcane business, which included studying the effects of climate change on its production, which has been decreasing. They also studied the effects of nitrogen fertilizers, comparing them with green manuring techniques and their integration into farming. Considering the demand for sugarcane, the most conclusive findings of the students concerned the importance of more research and upgrades for its farming.

Some students researched the impacts of changing precipitation on the Panama Canal, as well as the deforestation surrounding the Panama Canal. Some of the impacts include its water run-off and soil erosion, both important, as it takes 52 million gallons of freshwater for a single ship to go through the Panama Canal.

Students digitalized the aerial photos taken in 1948 and 1983 to investigate land cover changes within the Panama Canal Watershed. This is an extensive process and will be completed later this year.

See PANAMA on Pg. 5



Participants in the UAH Climate Change and Sustainability Summer Program. Photo courtesy of Philip Gentry



Pictured above, the 14 UAH students who participated in the Panama program, President Williams, Dr. Horack, Dave Cook, Dr. Jordan, Dr. Christopher, and Dr. Sever. Photo courtesy of Chrystal Morgan

Meet the Candidates for State Legislature: Enfinger, Sanford and Williams

STEVEN LEWALLEN
Staff Writer

On Nov. 2, America will go to the polls and choose its new class of government representatives, and for students and residents in the UAH area, that means a trip to Spragins Hall.

To celebrate the political process moving on campus, in the weeks leading up to the election, *The Exponent* will introduce some of the candidates running for office in our district. This week we'll meet the candidates for state legislature in Senate District 7 and House District 6.

Former Senate Majority Leader Jeff Enfinger (Democrat) is itching to earn back the seat he once held. In 2006, Enfinger did not seek re-election in order to tend to his business, Enfinger Steele Development. He has served on the boards of many local organizations, such as the Huntsville/Madison County

Chamber of Commerce, and has also been president of both the Huntsville/Madison County Builders Association and the Home Builders Association of Alabama.

While he was a senator, Enfinger fought to restore trails and buildings at Monte Sano State Park. This time around, he pledges to bring more jobs to Alabama and improve our roadways. He has also come out in support of legal gambling.

Enfinger faces a tough challenge in incumbent Paul Sanford (Republican). Sanford earned his seat in 2009, beating Laura Hall in the special election to fill the seat vacated by Parker Griffith. He owns Little Paul's Barbecue, located across from Huntsville Hospital on Madison Street.

Sanford's name is back in the headlines for his refusal of \$250,000 from a lobbyist in exchange for a yes vote on bingo legislation earlier this year. The

lobbyist and 10 others, including four state senators, other lobbyists, and gambling industry heads have all been indicted for alleged involvement in a large vote-buying scandal.

Sanford maintains a conservative approach, advocating tax incentives to bring more business to the Tennessee Valley. He has also proposed a new method for setting the state budget, basing the budget on the prior year's revenues as opposed to projected future revenues.

In the state House, Republican incumbent Phil Williams is running unopposed. Williams, like Sanford, also won his seat in a special election in 2009.

Voter registration forms may be obtained at the university, or you can print one online at www.sos.al.us/elections/GetRegForm.aspx. The form must be mailed to

See CANDIDATES on Pg. 2

Wernher von Braun Memorial Symposium Coming to Campus

JONATHAN KEENUM
Staff Writer

The third annual Wernher von Braun Memorial Symposium, *21st Century Approaches to the Use and Development of Space*, comes to the UAH campus Oct. 25-27.

The three-day event includes perspectives on U.S. space policy and discussion of top priorities on the future use of space. There will be several well-known speakers, including Robert Lightfoot, Parker Griffith and Mike Griffin. The program ends Oct. 27 with a presentation honoring the past 50 years of the accomplishments of Marshall Space Flight Center, as well as a look forward to the next 50 years of space exploration.

See BRAUN on Pg. 2

College of Business Advising Office Implements Major Changes

PIERRE NELSON
Staff Writer

For years, many business students have been disappointed with the College of Business Administration's advising office. Until recently, the advising office had an uninviting entrance—students had to walk straight in and then go around a corner to speak to a student secretary, who typically assisted most students instead of an actual advisor.

That has now changed.

Now, as soon as you walk into the advising office, there is a large

desk with an advising assistant. Chairs and office furniture have been rearranged to include a more relaxing servicescape. Pamphlets emphasizing the various business programs are strategically placed so that they are easily accessible.

Individuals who are not part of the college of business but who are considering the program are the primary focus. They need to know more about the college, the different types of programs offered, when they are offered and who teaches them, and the accredita-

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Photos by Pierre Nelson

Energy Awareness Month at UAH Encourages Green Energy



Shannon Leutzinger Avenatti's winning logo. Photo courtesy of UAH Energy Management

SALOME SALIASHVILI
Staff Writer

October is Energy Awareness Month at UAH, promoting the understanding of environmentally friendly practices.

The goal is to minimize cost as well as UAH's impact on the environment. Part of each student's tuition goes directly to paying the \$5.2 million utility cost of the campus, and the costs are growing—for example, this year saw a four percent increase in sewage costs. A simple 10 percent deduction would save the campus half a million dollars, which in turn can be applied to numerous other sectors.

As part of Energy Awareness Month, the Campus Green Office held Green Office Certification Slogan/Logo and Energy Conservation Slogan contests. The office recently announced the win-

Tips of the week:

- Turn off the lights if you're not in the room. About to make a snack for hard-core studying? For that 60 seconds, turn off the lights.
- Use stairs—other than a healthy exercise, it saves time waiting as the elevator inches forward, as well as the disproportionate amount of energy needed to move such a large vehicle.
- When not using your computer or printer, just click the monitor off. No information is lost, and it can save the university \$44 per computer annually. Screensavers, however, do not count, since they do not save energy.
- Use print preview to spot the mistakes before printing your work. Edit on the computer so you will not have to print the whole essay again if you forgot to number your pages.

ners—Jazmine Grier and Shannon Leutzinger Avenatti, who tied in the Green Office Certification Slogan/Logo contest, and Nathaniel Mauch, who won the Energy Conservation Slogan contest. Mauch's slogan: "Conservation. Today. To-

tomorrow. Forever. UAH."

For more information, visit <http://energy.uah.edu> for more ways to save and get involved for a greener campus, as well as a greener life.

From BRAUN on Pg. 1

UAH will cover the registration fee for any student who wishes to attend. To register through the university and attend free, contact Rhonda Griner through email at grinerr@uah.edu or by calling 256-824-6101. This registration allows

students to attend any of the panel presentations and meals.

There is also a special American Astronautical Society membership fee for students and teachers who wish to join. For more information, including how to register and more details of the event, visit <http://astronautical.org>.

From CANDIDATES on Pg. 1

the Madison County Board of Registrars before Oct. 23 to be eligible for this election.

The Exponent

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Editorial: Two New Documentaries Focus on Public Education, but Do They Provide a Solution?

TOM BURWELL
Staff Writer

The topic of America's public education system has received increased coverage in the news lately.

Specifically, reporters from news sources ranging from *The Wall Street Journal* to "The Colbert Report" have interviewed "An Inconvenient Truth" director Davis Guggenheim about his new documentary, "Waiting for Superman." The film explores how American students can be made more successful in competing for skilled jobs, focusing on the story of children and their families in D.C. who hope to be placed in one of the district's high-achieving charter schools. Guggenheim claims the current education system is designed to help the adults in the system more than the students and that by applying pressure to the right parts, the system can be improved.

While I believe Guggenheim to be honest and well-intentioned, it's interesting to note that media sources that are normally focused on the economy, such as *The Wall Street Journal* and "Fox and Friends," have provided significant publicity for "Waiting for Superman."

As Juan Gonzalez of "Democracy Now" has pointed out,

"There's an enormous promotion campaign being funded by corporate America to put forth this viewpoint of expanding charter schools and eliminating safeguards for teachers."

Another education documentary, "Race to Nowhere," asks a different set of questions, inquiring about whether we should place so much emphasis on standardized test scores and grading in the first place. Vicki Abeles developed the concept for "Race to Nowhere" when her own daughter was diagnosed with a stress-related illness, and she noticed her children's schedules were growing too busy for quality family time.

"Waiting for Superman" assumes education should be about preparing students for corporate jobs and asks how education can better prepare students to compete in the global economic marketplace. "Race to Nowhere" asks whether preparation for corporate jobs should really be education's primary goal.

Unfortunately, "Race to Nowhere" leaves viewers ultimately unsatisfied, recommending only that we not care so much about economic success, without offering an alternative developed ideology.

Culturally, we need ideologies. American playwright Eugene O'Neill called the lonely soul with-

out an ideology to follow a "philosopher" who sits "in the grandstand of philosophical detachment" rather than risking involvement with the outside world. After tearing down the ideology of economic achievement, "Race to Nowhere" ultimately abandons potential followers to an ideological graveyard, in which no life philosophy is deemed good enough.

As for Guggenheim, I have no doubt that he is a talented director who will go on to make more important documentaries that inform and educate our nation's citizenry. At the same time, I feel "Waiting for Superman" serves a specific interest group to an extent that Guggenheim himself does not realize, and that the film is an example of the mass media's tendency to amplify the viewpoints of those holding power, rather than promote open, intellectual discussions about political issues.

So I wonder, deep down, what is Guggenheim's stronger motivation—promoting a cause that he deeply believes will help our country? Or, like most other well-known social commentators, promoting himself, Davis Guggenheim, famous film director? I hope it's a question Guggenheim himself asks, and that he'll continue to learn to use his talents in the right ways.

Editorial: The "Disney Vault": Holding Favorite Movies Hostage

RACHEL PALAZZO
Staff Writer

Nearly all college students can remember watching classic Disney movies such as "Cinderella," "Aladdin," "Sleeping Beauty" and "Beauty and the Beast" on VHS tapes. Technology since then has changed quite a bit; we have gone from VHS to DVD. Unfortunately, Disney has decided to cash in on

our childhood favorites by locking our beloved classics into their so-called "Disney Vault," making it almost impossible to find all of our favorite movies on DVD.

Consider yourself lucky if you can walk into Best Buy and find more than one or two Disney classic movies in the children's movie section. Most of the spots on the shelves that once belonged to the adored classic movies have now

been annexed by the "High School Musical" and "Hannah Montana" movies. We then find ourselves asking, "What happened to the Disney I grew up with?"

About once a month, if that, Disney re-releases a classic movie for a limited time, making it a special anniversary edition, thus justifying charging \$25 for a regular DVD. For example, on Oct. 5 of this year Disney re-released "Beauty and the Beast," but as the special "Diamond Edition." After this re-released movie has had its run, they will "lock" it back into their vault and make it nearly impossible to find it at any movie store.

Now, in order to get a glimpse of our childhood favorites we have to browse youtube.com to find bits and pieces of our favorite movies. If you search for any classic Disney movie song on YouTube you will not only notice that they are available in many different languages, but also that they have had a few million views. Scroll down to the comments and the highest-rated ones are usually about missing the "old Disney."

Disney is holding our childhood memories hostage in a vault and making us pay ridiculously high amounts for their release. Too bad we can't pull a switch with Disney and get the "new Disney" locked in the vault—and get our "old Disney" back.

Director Karen Young Discusses Upcoming Production "Opera Extremes"

RUSSELL HAWKINS
Staff Writer

From Oct. 27-29 students associated with UAH's music department will perform "Opera Extremes" at 7:30 p.m. in the new Wilson Hall Theatre. Tickets are \$5 for students and \$10 for members of the community.

Beginning with excerpts from Gioachino Rossini's "The Barber of Seville," host David Ragsdale intends to provide the audience with a brief tour of opera through a wide range of selections.

"[The music department] wanted to provide the students with an opportunity to learn to sing and act simultaneously, and there is no better medium for that than opera," director Karen Young said, discussing the genesis of the production. "In the end it's all about providing enrichment and a sense of completeness to [the students'] music education, which is not complete without the great and complex art of opera."

Additionally, Young suggested that the production will put

audience members in the mood for Halloween.

For example, the plot of Gian Carlo Menotti's "The Medium" concerns the exploits of a self-professed psychic whose paranoia yields bloody consequences, while Carlisle Floyd's "Susannah" explores social excommunication in a particularly horrifying manner.

Furthermore, beneath the entertaining music and plots lie socially critical implications. For instance, "Susannah," written in 1955, contains veiled issues surrounding both McCarthyism and feminism.

"[The audience will] hear and see a wide spectrum of what opera has to offer," Young said. "We are spanning the Classical period to the twentieth century, and those are two [eras that] could not be more different from one another."

Theatre and music faculty members David Harwell, Megan Poff and Erin Colwitz assisted in the production's synthesis. For more information regarding UAH music performances, visit <http://www.uah.edu/music>.

Charger Chic: Style Scouting at UAH

SALOME SALIASHVILI
Staff Writer

Dress up your jeans for a mix of light and warm it up with layers like Jessica Henderson, a sophomore majoring in nursing.

The gladiator sandals have become a must these days, combining elements of comfort with style and variety. They can be paired with many different types of clothing, including skirts, dresses, jeans and more. Jessica even took the style by tying the sandals over the skinny jeans, making the outfit more continuous and defining both the sandals as well as the ankles more.

A black shirt with a white sweater over it is a classic color combination. The length of the sweater gives it the edge over traditional sweaters but elongating the whole outfit, adding to the completeness and continuity of the outfit.

The scarf, simply put around the neck accentuates the white sweater, as it ends perfectly with the sweater and adds little frayed ends and checkered print for focus and fun. A large ring on the second finger also focuses the attention and gives it the originality from the traditional choices.

So an outfit can

stand out by many different ways and it can be assembled using anyone's closet. The little details, like the large ring on the second finger, make the subtle claims of individuality and personal taste.

Originality does not have to come with ostentatiousness or an alien combo that will draw different kind of attention than wanted.

Especially now, scarves are a good accessory that can go for both

See CHIC on Pg. 7



Photo by Salome Saliashvili



Alpha Epsilon Delta
Alabama Epsilon Chapter
University of Alabama in Huntsville

PRESENTS

Friday, October 29, 2010
9:00 AM - 12:00PM
In the University Center

Guest speakers from various fields in medicine will be presenting on topics related to health careers. They will discuss their profession and how they were able to achieve it. Students will get to meet doctors, physical therapists, pharmacists, and other professionals in health care.

Who is welcome to attend:

- High School Students
- College Students
- Anyone interested in learning more about health professions

For additional information contact:
Andrea Stone
President, Alpha Epsilon Delta
aes0004@uah.edu
(256) 337-4808

Student Organization Promotes Freethought, Logic and Reason

PRESS RELEASE

The UAH Students for Freethought, Logic, and Reason is a club committed primarily to challenging students to form opinions on the basis of science, logic and reason.

One way the club tries to achieve this goal is by presenting a lecture series in which professionals from various fields of expertise such as biology, philosophy and sociology discuss controversial topics in their fields. For example, recently Dr. Bruce Stallsmith of the biological sciences department gave a lecture on the background of the friends and family of Charles Darwin.

Another goal of the club is performing humanitarian deeds for the community and campus, as well as fundraising for charities. Many members of the club are atheists or agnostics, and they hope to change the image painted

of people who are irreligious by many in the mainstream media.

Recently, a group of SFLR members volunteered at the CASA community garden for a few hours on a Saturday morning. The CASA community garden is dedicated to growing vegetables and fruit for the elderly and homebound. According to club President Bryce Johnston, the members enjoyed the experience and managed to accomplish a fair amount of work. The group has many more events planned and hopes to fundraise for the World Wildlife Fund as well.

"We are a club that offers an array of exciting opportunities for discussion and good works," Johnston said. "We hope that spreading the word about the club will attract more students to our cause."

The club is open to anyone who is interested in reason-based discussion. For more information visit the club's Facebook group.



UAH Students for Freethought, Logic and Reason members at work in the CASA Gardens. Photo courtesy of UAH Students for Freethought, Logic and Reason

From ADVISING on Pg. 2

tions achieved by the college.

"With the changes implemented by the advising office, we hope to make it easier for students to gain access to an advisor in a fast, efficient manner," Jeff Smith, a student-advising assistant, said.

A major complaint that has been addressed was that undergraduate business students had to wait for weeks to have an appointment with Cheryl Plaza, the sole academic advisor. Scheduling an appointment with her used to be arduous. "Walk-in Wednesdays," the only walk-in period during which a student was able to speak to Plaza, are from 9 a.m. - 11:30 a.m. and from 1 p.m. to 4 p.m.

"I love the new changes in the advising office," Preston Spratt, a junior accounting major, said. "Waiting times are less; it is not as crowded as it used to be; and I get the direct help I came here for." With the new implementations, the advising office hopes to decrease waiting times for students while providing prospective students with the information needed to make a wise decision about joining the business program.

UAH Energy Management Green Tips

October is Energy Awareness Month. The Energy Division of the Alabama Department of Economic and Community Affairs suggests the following five steps to reduce energy bills this fall and winter:

- Turn down the temperature of your water heater to the warm setting (120° F). Water heating can account for 14 percent to 25 percent of the energy consumed in your home.
- Replace an old appliance with a new highly-efficient Energy Star appliance. Energy Star appliances are guaranteed to use less energy and could cut utility bills by hundreds of dollars during the life of the appliance. A rebate may be available for certain types of Energy Star appliances at www.alrebates.com.
- This winter, set the thermostat at 68 degrees during the day and lower at night. A programmable thermostat makes this job easier by automatically adjusting to the desired temperature.
- Replace light bulbs in frequently used lighting fixtures with compact fluorescent bulbs, which last up to 10 times longer than traditional incandescent bulbs and produce an equivalent amount of light using 75 percent less electricity.
- When not in use, unplug adapters that come with rechargeable cordless phones, cell phones, digital cameras, music players, power tools and other electronic devices. Most draw power whenever they're plugged into an outlet, regardless of whether the device battery is fully charged or even connected.

Now Hiring For the Fall Semester!

The UAH Student newspaper is looking for motivated students who need a part time job and want to take part in creating the only student-run news service on campus. Available positions include:

- Writers
- Advertising Assistants

Interested? Here's how to apply:

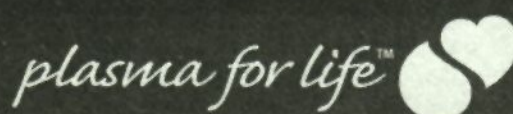
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A valid photo I.D., proof of your current address and your social security or immigration card are required to donate.

Huntsville Company Series: Teledyne Technologies Inc.



Photo by Salome Saliashvili

SALOME SALIASHVILI
Staff Writer

Teledyne Technologies Inc. is a conglomeration of more than 55 companies that together execute various electronic components and subsystems. In Huntsville, Teledyne Brown Engineering Inc. provides next-generation frameworks, and Teledyne Solutions Inc. provides engineering services for the defense industry.

Teledyne Brown Engineering (TBE) has 20 locations, but its headquarters are in Huntsville. It was established as a support for rocket development by Wernher von Braun in 1953. It is the world's primary space contractor and performs mission systems and developments for NASA, primarily as an engineered systems provider.

In addition, it is the largest non-hardware homeland missile defense supplier. The Alabama Technology Network gave TBE the Alabama's Largest Manufacturer of the Year Award in 2009.

It recently bought a British company that will be incorporated as Teledyne CML, which significantly increases TBE's manufacturing abilities.

TBE further boasts nuclear certification, something achieved by only 16 companies in the nation. The award allows TBE to manufacture parts for nuclear facilities; its manufacturing facility is located in Huntsville's Cummings Research Park. The Huntsville headquarters has built 1,250 nuclear waste canisters over a six-year period, as well as a nuclear thermal rocket environment simulator.

A few months ago, it received a \$13.7 million contract from the Department of Defense to go through complete operations from design to installation of a test chamber for future biological warfare agent-detection systems.

Through Lockheed Martin, TBE has received further contracts supporting the NASA International Space Station Cargo Mission, which brings the total contract value for the mission to \$28.2 million.

Teledyne Solutions Inc. (TSI) is a completely owned by TBE, though separate, and also headquartered in Huntsville. TSI is an engineering firm that develops high-tech engineering services catering to the defense industry. Its

See TELEDYNE on Pg. 7

i.t. Solutions Security Awareness Month Tips

October is National Cyber Security Awareness Month. Throughout the month i.t.solutions will be sharing tips to keep you cyber-safe. For more information, visit our website at <http://its.uah.edu>

SAFE SOCIAL NETWORKING

Take the following precautions on social networks:

- Learn about and use the privacy and security settings—so you can control who sees what you post.
- Use tools to manage the information you share with friend groups or have multiple pages—broader participation means the more limited your personal info should be.
- Use strong passwords that are long, complex, and combine letters, numbers, and symbols, use a different password for every online account you have, and store written passwords away from your computer.
- Beware of messages with links that may contain malware or phishing scams.
- Remove threatening, harassing people from your friends list, block them, and report them to the site administrator.

SOCIAL NETWORKING TIPS

Remember the following tips on social networking sites:

- **Once posted, always posted:** Protect your reputation—what goes online stays online. Don't post pictures that are embarrassing because job recruiters research candidates online.
- **Your online reputation can be a good thing:** Recruiters respond to a strong, positive personal brand. So show your smarts, thoughtfulness, and mastery of the environment.
- **Personal information is personal:** The more details you post, the easier it is for a hacker or someone else to steal your identity, access your data, stalk you, or even rob your empty house while you are on vacation.
- **Consideration is key:** Let a friend know if you are uncomfortable about an inappropriate post, and respect other people's privacy too.

UAH Wins Competitive Grant for Groundbreaking Optical Equipment

MATT SAYAR
Staff Writer

UAH competed for and won a grant from the National Science Foundation's Major Research Instrumentation Program to obtain an Optical Frequency Synthesizer. The new instrument adds a host of new capabilities to the UAHuntsville Center for Applied Optics department.

The OFS will be housed in the optics building. According to Principal Investigator and Assistant

Professor Lingze Duan, an OFS is "an ultrafast laser with extremely stable optical frequencies." The laser is capable of generating pulses as short as one millionth of a nanosecond.

Because of its precision of optical frequency references over a broad spectral range, "it has become the corner stone of modern high-precision spectroscopy," Duan said. The assistant professor is interested in using the laser to calculate highly precise clock signals, as well as precise laser rang-

ing and detection technologies.

"The concept of OFS is one of the great advances in optics in the last decade, and the two pioneers of this field shared the Nobel Prize in Physics in 2005," Duan said. The Center for Applied Optics will have a strengthened partnership with the local research community as the OFS helps stimulate collaborations across different departments, research centers, institutions and disciplines.

The MRI Program "serves to increase access to shared scientific

and engineering instruments for research and research training in our nation's institutions of higher education," according to their website. In 2010, it gave out \$90 million to 150 different proposals out of the nearly 1,000 it received. This means each hopeful organization had a roughly 15 percent chance of getting its proposal accepted. UAH was awarded \$280,000 and will buy the OFS in spring 2011.

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The student papers regarding their research will be published for peer review. Two students will further submit their final research to the International Astronautical Congress in 2011.

However, some students would have liked to have done more.

"I think I would have enjoyed a little more round-trip exercises better than theoretical studies," Claire Herdy, a participant, said. "I would have liked to have spent more time with the people... studying what's going on [in their surroundings]."

SAMMY T'S
music hall

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COLLEGE NIGHT W/DJ KEIBOT
ALL LADIES GET IN FREE

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Men's Basketball Team Members Jaime Smith and Zane Campbell Discuss Upcoming Season

JONATHAN KEENUM
Staff Writer

The UAH men's basketball team enjoyed a very successful season last year, finishing 23-7, making it their best year since posting a 25-11 record in 1982-83.

This year could be even more exciting, with nearly all of their key players returning for the 2010-11 season. The team lost only one starter and two seniors from last season's squad. Expectations are high for this group, as evidenced by their No. 20 ranking in the Division II Bulletin top 25, and the players are ready for it.

"The team expectations are extremely high this year," sophomore guard Jaime Smith said. "This is the first time ever that UAH has been ranked in the preseason polls. We feel that this can be the year that we make history for our school and our program. We haven't set specific goals, but I think I could speak for everybody on the team by saying that we would like to win the conference championship and go as far as possible in the national tournament."

"We have many expectations for the upcoming season," said Zane Campbell, sophomore center

and reigning Gulf South Conference Freshman of the Year. "We want to have another 20-plus win season for sure. We want to win the GSC Championship. We also want to make it back to the NCAA Tournament."

UAH will have a chance to play against tough competition early as they hit the road to face two Southeastern Conference teams, Vanderbilt and Alabama, for exhibition matches. The dates are set for Nov. 3 and Nov. 8, respectively, with tip-off times at 7 p.m.

The Commodores and the Crimson Tide will be heavy favorites for both games, but the guys are looking forward to the chance to play them. Smith and Campbell had the following to say when asked about how the team will prepare differently for these games:

"We will most likely stick to our normal game plan," Smith said. "Coach Acuff does an excep-

tional job of getting us prepared for our opponents, so we will go with whatever Coach has planned for us. This will be a fun game to play in because all of the pressure is put on these high-powered SEC schools. We are the huge underdogs, but we have no intention [of] back[ing] down. We feel we have a good enough team to go and compete with those guys."

"We will just do our best to prepare for them just like any other team," Campbell said. "It is a little different, but we try not to think of them as the SEC teams that they are. We just try to think like any other game."

There will be no time to rest after these two matches, as UAH opens the season against No. 5 ranked Florida Southern in Valdosta, Ga., at the Gulf South Conference/Sunshine State Conference Challenge. The Chargers then face Eckerd the next day before finally

heading home Nov. 15 to play against Columbus State. With the first game of the season quickly approaching, the guys are very eager to get back on the court.

"It was [our] goal last year to be ranked, and now we just want to move that ranking up as close to number one as possible," Campbell said. "We really like the expectations that we have on us. I think it makes us work harder and look forward to the season that much more."

"We are extremely excited to get the season underway," said Smith. "Especially after last season's success, we are even more

motivated to take it to another level. We've had a great preseason with our workouts."

The Chargers ended last year in heartbreaking fashion, as they were seconds away from winning the conference tournament and fell just short of advancing in the South Region tournament. The men have been working hard this offseason and know they have a chance to be one of the greatest teams UAH has ever had.

Smith does an excellent job of describing what fans can expect this year:

"It's going to be a fun season."

Meet the Chargers, Part Three: Junior Players

TOM DURNIE
Staff Writer

year's junior class. The class is small, with only three players, but as with any team, it's just as important.

This week will introduce this

#9 Cody Campbell—Maple Ridge, British Columbia, Canada—Junior, Forward

Cody "Soups" Campbell has had a stellar college career so far. In his first two seasons at UAH, he scored 15 goals and 28 assists for a total of 43 points. The 23-year-old marketing major is an offensive catalyst in every game. His shift moves, quick release and smart plays have made him one of the most consistent scorers in UAH hockey history. Campbell's laid-back and relaxed attitude brings good balance to the chemistry of the team. He will be counted on this season to lead the Chargers' offense once again.



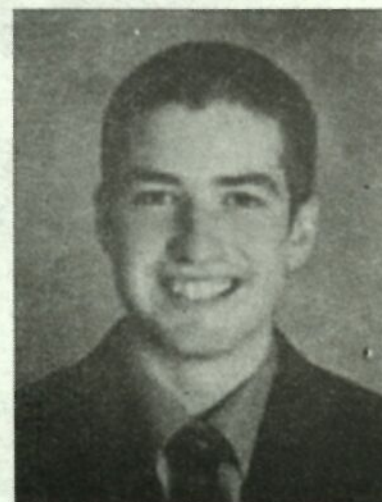
#7 Jamie Easton—Edmonton, Alberta, Canada—Junior, Forward

Jamie "Grumpy Bear" Easton always has a quiet confidence about him. At 5 feet 8 inches, this 22-year-old never lets his size affect his play. Before coming to UAH, Easton led the Alberta Junior Hockey League in goals, beating the goalie 44 times in his final season. Easton is a goal-scorer at heart and will be looked to this season to contribute to the scoreboard.



#24 Tom Durnie—Calgary, Alberta, Canada—Junior, Defense

Tom "Beluga" Durnie is the team's only English major. His big body and heavy shot will be counted on this season to make an impact. After a disappointing season last year, Durnie returns with something to prove both to himself and to his teammates. Within the team, Durnie is known as "the nice guy" and will always lend a helping hand to anyone in need. Off the ice, he enjoys playing guitar for his teammates and has even been known to write a song or two. After a limited role last season, Durnie hopes to play a more active role on the ice this year.



Photos courtesy of UAH Athletics



Photo courtesy of UAH Athletics

CHARGER SPORTS SCORES

Ice Hockey Record 1-2-0

October 15
Wisconsin-Madison 7
Chargers 0

October 17
Wisconsin-Madison
Chargers

Men's Soccer Record 2-10-0 GSC 1-2-0

October 15
West Florida 3
Chargers 2

Women's Soccer Record 6-6-0 GSC 2-2-0

October 15
West Florida 2
Chargers 0

Volleyball Record 8-17 GSC 2-3

October 15
Nova Southeastern 3
Chargers 1

October 15
Rollins 3
Chargers 0

October 16
Florida Tech 3
Chargers 1

October 19
Lee 3
Chargers 1

CHARGER SPORTS CALENDAR

Ice Hockey Record 1-2-0

Date	Opponent	Site	Time
October 22	Bowling Green	Away	6:05 p.m.
October 23	Bowling Green	Away	6:05 p.m.

Men's Soccer Record 2-10-0 GSC 1-2-0

Date	Opponent	Site	Time
October 22	Delta State	Home	3:30 p.m.
October 27	Christian Brothers	Home	7:00 p.m.

Women's Soccer Record 6-6-0 GSC 2-2-0

Date	Opponent	Site	Time
October 22	Delta State	Home	1:00 p.m.
October 27	Christian Brothers	Home	5:00 p.m.

Volleyball Record 8-17 GSC 2-3

Date	Opponent	Site	Time
October 22	Ouachita Baptist	Away	5:00 p.m.
October 22	Harding	Away	7:00 p.m.
October 23	Southern Arkansas	Away	3:00 p.m.
October 23	Christian Brothers	Away	5:00 p.m.
October 26	North Alabama	Home	7:00 p.m.

Cross Country

Date	Event
October 23	Oakville Cherokee Trails Invitational (5k, 8k)

Event Calendar

Oct. 21

- David Audretsch, Ph.D. will hold a presentation entitled "University Scientists and Entrepreneurship" inside Chan Auditorium, located in the Business Administration Building. 6:30 p.m.
- There will be a zombie walk at Charger Village at 6:30 p.m. Dress up like a zombie!
- Dave Anderson performs at Bandito Southside. 8 p.m.

Oct. 22

- Angry Native performs at the Sports Page. 7 p.m.
- Dawn Osbourne performs at the Kaffeeklatsch. 7 p.m.
- Seducing Alice performs at the Voodoo Lounge. 8 p.m.

Oct. 23

- Alan Jabbour and Ken Perlman perform at the Flying Monkey. 7:30 p.m. \$10
- Coffeetree Books and Brew holds its weekly open mic night. Poets and writers are welcomed to share their words. 7 p.m.
- Fistful of Beard performs at the Voodoo Lounge along with Jay Burgess. 9 p.m.

Oct. 24

- Devere Pride performs at Casa Montego. 8 p.m.
- Red Headed Step Child performs at Bandito Southside. 8 p.m.
- Freddy Earl and the Blues Mercenaries host the Sunday Blues Jam at the Kaffeeklatsch.

Oct. 25

- Tuesday's Hangover performs at Bandito Southside. 7 p.m.
- Tim Tucker performs at the Voodoo Lounge. 8 p.m.
- The Station 2 hosts its Blues on the Patio starting at 7 p.m.

From CHIC on Pg. 3

warmth as well as style, so do not by shy about using it. Scarves are an acquired taste and once started, they can become like shoes, each one serves its own purpose, from

crazy color bursts to patterns. Go with the flow of things, have few ideas that you know will work, for those days that you are in a hurry. For the rest, let your style sway with mood, for in the end, it is all about you.

From TELEDYNE on Pg. 5

major operations include systems engineering and technology assistance, though it has more capabilities.

served go to electronics and communications, with the engineering market at 19 percent. Teledyne boasts \$1.76 billion in sales and 8,800 employees worldwide.

All of the Teledyne companies have similar markets with high precision and reliability stakes. Seventy-six percent of their markets

is another reason the Huntsville community has become a center of engineering as well as one of the world's top 10 smartest cities.

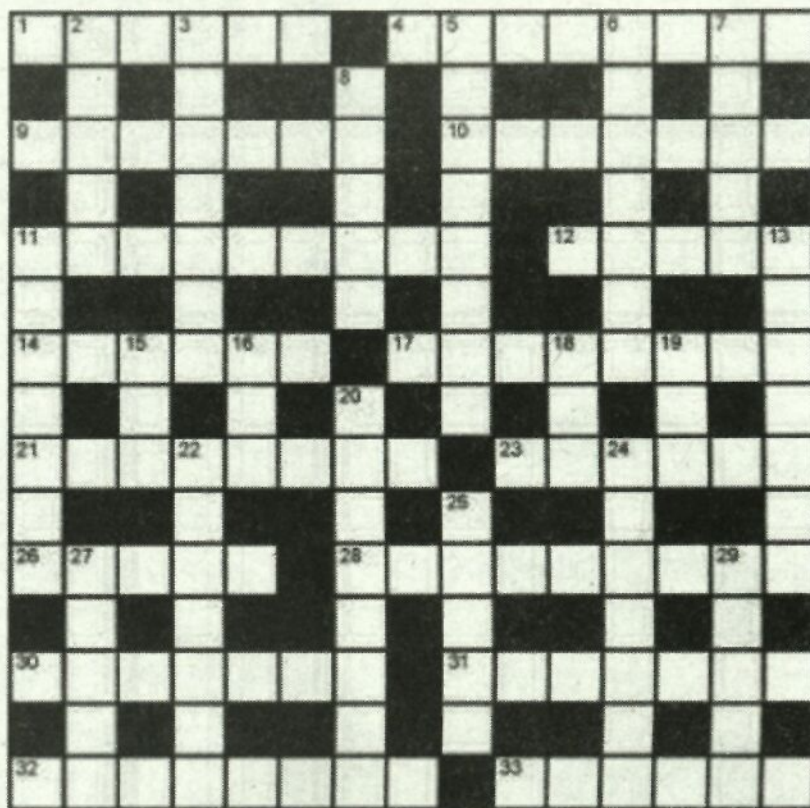
Crossword

Across

- Internal place for patient?
- Broke rank quietly, but in confusion
- Sport holds one competitive chance initially for a small player
- Spread traces round junction
- Heard play on behalf of driver
- About to fail nearby
- Ice dancer dithers after cards
- Power priest is spot on
- Chill the best cold food
- Breathe hard where no king has zeal without a late start
- Metal girl about warships
- Service characters reach suit
- Wobbly stomach - some chopped entrails inside
- Offend a powerful militia
- Pleasant fish takes time to start gladhanding
- General memory man

Down

- Horselaugh sounds negative
- Report a European nobleman verbally
- Top classes' area isn't concrete
- Venomous conveyance
- Put sound measure back in afterthought for common folk



- Keep tug
- Ouch! Sin corrupted support
- Peak charge before time out ends
- Article about joining up to exist
- Wheat maybe useful for communication
- He leaves huge heap right at the start. Yuk!
- A wake begins and ends with great respect
- Trades staff died in Miller's tale
- Ruling body's section
- Accompaniment for nose flute and mouth organ?

- Razor man backs firm eccentric
- Sailor remains to embarrass
- More recently than I state, in a quarter

A teacher is one who makes himself progressively unnecessary.
 ~Thomas Carruthers

Sudoku

					2			
7								
5		8			1			
			7					1
4			2	1		3	6	
	3	6		4		5		
	2		8	3				5
		1						7
							2	8

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:

9	8	4	2	7	6	5	1	3
1	7	3	5	8	4	9	6	2
2	5	6	1	3	9	4	8	7
3	6	1	7	5	2	8	9	4
7	9	8	4	6	3	1	2	5
5	4	2	9	1	8	3	7	6
6	3	9	8	4	7	2	5	1
8	1	7	3	2	5	6	4	9
4	2	5	6	9	1	7	3	8

W	A	S	H	I	N	G	T	O	N	S	T	A	T	E
J	O	I	N	R	L	I	R	E						
L	A	M	P	S	H	A	O	U	L	C	E	R		
E	X	E	S	P	A	N	G	G	E	S	S	O		
N				H	A	S	S	L	E					
D	U	S	T	W	I	F	E	S	C	R	A	M		
S	N	O		D	O	S	E	R	A	C	Y			
D	U	E	T	R		K	U	D						
F	U	S	E	D	A	M	S	S	I	F				
L	E	E	D	S	M	A	C	E	H	I	F	I		
A				V	I	T	A	L	S					
R	I	F	T	S	S	I	N	K	S	A	F	E		
E	N	U	R	E	S	O	T	B	L	U	E	S		
S	C	A	B		N	O	A	T	S					
S	T	I	P	E	N	D	M	A	G	G	O	T	S	

five free pizzas!

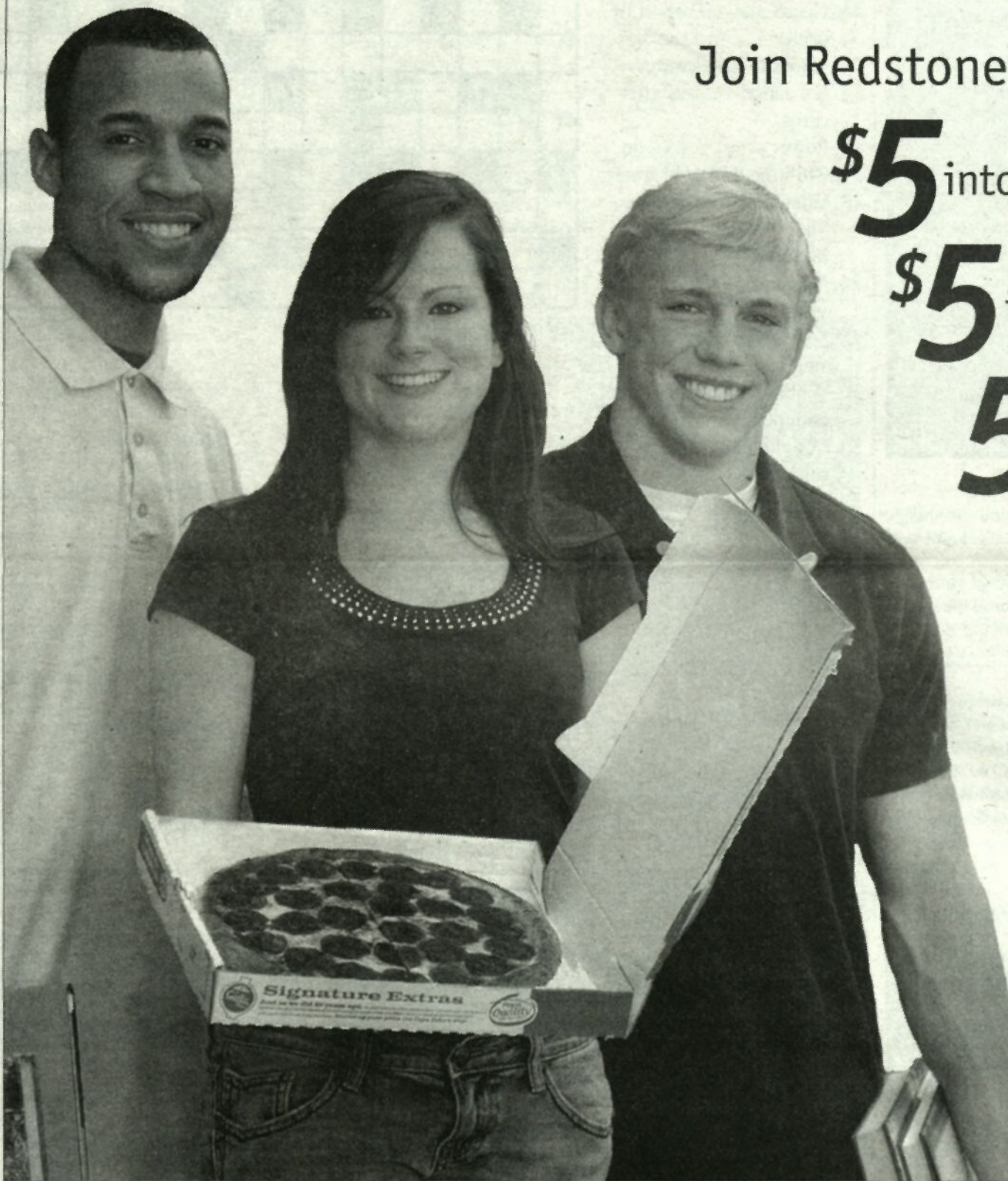
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