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A Study Abroad in Panama Leads to Global Climate Change Research

SAJISHVILI SALOME
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 underscored 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 Geographical 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 Embera (a territory inhabited by indigenous peoples). At Embera, 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 farming 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.

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

LEWALLEN STEVEN
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

KEENUM JONATHAN
Staff Writer


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.

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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 accreditation representation is made that the quality of the legal iter than the quality of legal services.

Energy Awareness Month at UAH Encourages Green Energy

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 $3.2 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.


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.

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 griener@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 Registers before Oct. 23 to be eligible for this election.
**Editorial: Two New Documentaries Focus on Public Education, but Do They Provide a Solution?**

**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 Giacchino Rossini's "The Barber of Seville," host David Ragsdale intends to promote the audience with a brief tour of opera through a wide range of selections.

"The music department wanted to promote 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. "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 SALTASHVILI**

Staff Writer

Dress up your jeans for a mix of light and warmth in 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 outfit's 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 checked print for focus and fun. A large ring on the second finger makes 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 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.

Divided by 2010, - The Exponent

**Alpha Epsilon Delta**

**Jurnie Poff and Erin Colwitz assisted in the production's synthesis.**

**For more information regarding UAH music performances, visit http://www.uah.edu/music.**

**See CHIC on Pg. 7**

**Photo by Salome Saltashvili**
Earn $100 this week

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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 aids a host of new capabilities to the UAH Huntsville 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 cornerstone 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 ranging 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. 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. A "I would have liked to have spent more time with the people... studying what's going on [in their surroundings]."
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 Charged back to the Gulf South Conference Championship after missing it the year before. It was the highest finish for the team since 1998 and even earned them a bid in the NCAA selection committee's tournament bracket.

"We feel that this can be the year we make history for our school and ourselves," said senior point guard Jaime Smith. "This is our chance to play in the conference championship and the NCAA tournament."

UAH will have a chance to play against tough competition early as they hit the road to face two Southern Conference teams, Vanderbilt and Alabama, for exhibition matches. The dates are set for Nov. 5 and Nov. 8, respectively, with tip-off times at 7 p.m.

"We will just do our best to prepare for them just like any other game," 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 on the horizon, the guys are 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

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

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

Cody "Soup" 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 Markham native 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 "Beldra" 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. 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.
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.
- 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. 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. 23
- 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.

Crossword

Across
1. Internal place for patient? 8. Keep tug
2. Horselaugh sounds negative 9. Word that is kept
3. Report a European nobleman verbally 10. Initial of a nobleman
4. Broke rank quietly, but in confusion 11. Ouch! Sin corrupted support
5. Top classes’ area isn’t concrete 12. Peak charge before time out ends
6. Venomous conveyance 13. Article about joining up to exist
7. Put sound measure back in afterthought for common folk 16. Wheat maybe useful for communication
8. Keep tug 17. Power priest is spot on
9. Sport holds one competitive chance initially for a small player 21. Chill the best cold food
10. Spread traces round junction 23. Breathe hard where no king has zeal without a late start
11. Heard play on behalf of driver 25. Metal girl about worship
12. About to fail nearby 26. Metal girl about worship
13. Peak charge before time out ends 28. Service characters reach suit
14. Ice dancer dithers after cards 29. More recently than I state, in a quarter
15. Article about joining up to exist 30. Wobbly stomach - some chopped entrails inside
16. Wheat maybe useful for communication 32. Pleasant fish takes time to start gladhanding
17. Power priest is spot on 33. General memory man
18. He leaves huge heap right at the start. Yuk! 25. Razor man bucks firm eccentric
19. A wake begins and ends with great respect 27. Sailor remains to embarrass
20. Trades staff died in Miller’s tale 29. More recently than I state, in a quarter
21. Chill the best cold food 30. Wobbly stomach - some chopped entrails inside
22. Ruling body’s section 31. Offend a powerful militia
24. Accompaniment for nose flute and mouth organ? 32. Pleasant fish takes time to start gladhanding
25. Razor man bucks firm eccentric 33. General memory man
26. Metal girl about worship 8. Keep tug
27. Sailor remains to embarrass 9. Word that is kept
28. Service characters reach suit 10. Initial of a nobleman
29. More recently than I state, in a quarter 11. Ouch! Sin corrupted support
30. Wobbly stomach - some chopped entrails inside 12. Peak charge before time out ends
31. Offend a powerful militia 13. Article about joining up to exist
32. Pleasant fish takes time to start gladhanding 16. Wheat maybe useful for communication
33. General memory man 18. He leaves huge heap right at the start. Yuk!

Sudoku

Solutions to last issue’s puzzles:

A teacher is one who makes himself progressively unnecessary.
~Thomas Carruthers
five free pizzas!

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