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The Exponent

The Student Newspaper of UAH

Volume 39, Issue 9

January 16, 2008

NEWS BRIEFS

Outside the expansive windows, a storm is brewing. It's the perfect setting for a discussion about a tempestuous discipline of atmospheric research, global warming.

see CLIMATE Pg 2

The lake across from the Von Braun Research Hall and the Engineering Building has been a good resting place for the northern birds migrating south, but for one individual goose, it has become a permanent refuge.

see BIRD Pg 3

ARTS & LEISURE BRIEFS

On January 17, Dr. Joyce Peoples, bishop at Faith Fellowship Ministries International, Inc. will deliver a lecture entitled "A Time Comes When Silence is Betrayal: A View from the Mountaintop" in the University Center Exhibit Hall at 4 p.m.

see MLK Pg 5

The UAH Faculty Art Show is in the University Center gallery through its closing reception on Tuesday, January 29 from 4-6 p.m.

see ART Pg 5

SPORTS BRIEFS

While students were away from school for the holidays, the season continued for three of UAH's sports teams. The men's and women's basketball teams, and the hockey team all played games.

see BREAK Pg 6

With February comes Valentine's Day, President's Day, and spring sports. February 1 marks the start of the baseball and softball seasons at UAH.

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HTTP://EXPONENT.UAH.EDU

Clone Donation Facilitates Huntington's Disease Research

RACHEL LACKEY
Freelance Writer

Graduate biology student Kimberly Mills spends her days in the new Shelby Center for Science and Technology, studying clones and glowing worms in an effort to find a cure for Huntington's disease, a fatal neurodegenerative disorder.

Assistant professor of biological sciences and Mills' advisor Dr. Lynn Boyd runs the lab, which focuses upon understanding the role of the ubiquitin pathway in cells. This particular pathway is involved in tagging proteins for various functions, including breakdown.

"We've been studying this pathway in general, and then realized that it may have a role in these neurodegenerative diseases," said Boyd.

Huntington's disease manifests itself around the ages of 30-40, resulting in a rapid loss of motor function. The culprit is a mutated protein that clumps together inside the body's cells. Though it is not yet understood exactly why people with Huntington's experience neu-

rodegeneration, one theory is that the cell simply is unable to break down the large protein clumps.

"If you imagine the cell as a big factory where things have to go different places, having all these big clumps of protein floating around that aren't doing what they're supposed to be doing kind of gums up the works, and it can cause a lot of problems," explained Mills. She studies how the ubiquitin system interacts with the mutated proteins.

Enter the nematode *C. elegans*, the first animal to have its entire genome sequenced. Using RNA interference (RNAi), Mills and the other students in Boyd's lab are able to "knock out" certain genes and tag others with green fluorescent protein. The microscopic worms reproduce within three days, enabling student researchers to track the size of the protein clumps in the offspring by their glow.

"We can knock out genes in the ubiquitin pathway and see if we knock out this gene, what happens to the protein aggregates? What happens to the mutant proteins? If

we knock out this other gene, what happens? So basically I'm knocking out different versions of a particular ubiquitin gene to see if it makes the clumps of protein bigger or smaller. The hope is that, eventually, we can maybe figure out some sort of treatment for Huntington's disease."

Last year, local biotech firm Open Biosystems donated clones of 73 genes to Boyd's lab—about \$7,000 worth of RNA material. These clones make it possible to isolate genes in order to discover their function.

"If we didn't have those clones, we'd have to make them ourselves, and it would make this more like a Ph.D.-level project [rather than a master's-level] because it would take so long to generate all of those clones, so it is immensely helpful," said Mills.

Brian Pollock and Troy Moore founded Open Biosystems in 2001, as well as the local biotech networking group, Partnership for Biotechnology Research, in conjunction with Boyd and others.

"Dr. Boyd's lab is doing some

very innovative work in the field and we found it compelling to support her laboratory with a unique set of reagents that we have developed," stated Moore. "I see this as beneficial for many reasons."

He noted that Open Biosystems actively supports regional research programs in general, and that the research stemming from this donation is likely to be published soon.

He also credited the formation of the Partnership for Biotechnology Research as a major factor in the exchange.

Boyd described the group's main goal as keeping members of Huntsville's biotech industry up-to-date on research.

"We figure it's better to band together when we're competing with places like Boston and southern California that are much more established. It's worked out really well, and other people who have come and visited the group have been really impressed," said Boyd. "We invite students to come, so that when they're out looking for jobs they have contacts already."

2007 Fall Graduation

KATHERINE BAKER
Senior News Writer

Each year students approach a major milestone and a set of new opportunities. Adrenaline rushes through their veins as they approach the inviting handshake and the exchange of a big smile for a diploma that signifies, "you did it; you graduated!"

UAH graduates felt much the same as they participated in the 2007 fall graduation. Matthew Turner, who received his doctorate in mechanical engineering, explained that it is a very surreal experience.

"It is one of those things that you know is coming but then you can't believe it once it's there," he stated.

Turner has been at UAH since 1993. He previously received a bachelor's and master's in the same field. This year he completed his doctorate with his dissertation "Three-dimensional Numerical Modeling of a Diagonal Magneto-hydro Dynamic."

Among some aspects of the graduation ceremony, President

William's speech was said to be a favorite.

"It was very funny and meaningful," said Turner.

His address conveyed the basics, but also served as a reminder to be grateful, use your wisdom, and think of future generations. Williams pulled his inspiration for these messages from Norm Melchert, a philosophy professor at his previous university.

Williams explained that he was delighted to be asked to give a speech, and that the whole experience was empowering.

"I like to use the graduation talk as an opportunity to teach the students one last thing," he said.

Another favorite part of graduation is the feeling that comes with having family, friends, and faculty watch as students take the stage.

Turner explained that the experience was not only a celebration for graduates, but for their families as well; that it could not be possible without their help. He also felt very special to stand next to his previous, idolized professors

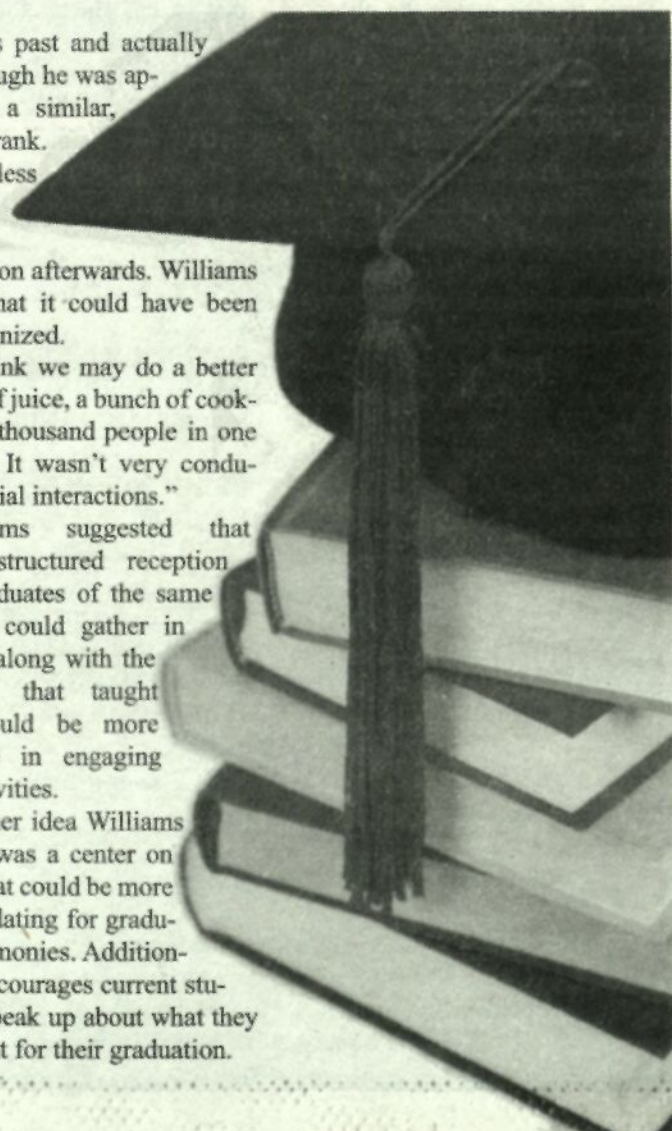
from years past and actually feel as though he was approaching a similar, academic rank.

A less likable aspect was the reception afterwards. Williams believes that it could have been better organized.

"I think we may do a better job: a bit of juice, a bunch of cookies, and a thousand people in one big room. It wasn't very conducive to social interactions."

Williams suggested that a more structured reception where graduates of the same discipline could gather in one area, along with the professors that taught them, would be more productive in engaging social activities.

Another idea Williams proposed was a center on campus that could be more accommodating for graduation ceremonies. Additionally, he encourages current students to speak up about what they might want for their graduation.



Climate Change Debate Heats Up

MATT BARRON
Staff Writer

Outside the expansive windows, a storm is brewing. It's the perfect setting for a discussion about a tempestuous discipline of atmospheric research, global warming.

Dr. John Christy, a professor at UAH, a leading researcher in global climate change, and one of the many authors of the Nobel prize winning Intergovernmental Panel Climate Change (IPCC) report, talked about his latest work on a paper co-authored with David Douglass of the University of Rochester.

Their research blows a hole in the theory of man-made global warming.

The science of global warming is surrounded by emotionally charged rhetoric and politics. Scientists on one side point to a set of computer models whose results indicate that carbon dioxide induced catastrophe lies in the future. On the other side are researchers whose data shows that these models do not necessarily match reality.

Christy is part of the team of researchers who have used data from satellite-borne instruments called *Microwave Sounding Units*, which measure the average temperature of sections of Earth's atmosphere, to challenge the results of climate models.

The models are sets of differential equations used to calculate the temperature trends of the Earth's surface and atmosphere due to the effects of the Sun, greenhouse gases, and other factors. These models match the observed temperature trends on the Earth's surface very well.

That's not surprising to Christy, because those models were built to match that trend. "Models have to be tuned," Christy said.

"Guess what they're tuned to."

However, the models do not match the observed temperature trends in the atmosphere.

Specifically, the data from both weather balloons and satellites shows that the lower part of the atmosphere, called the troposphere, has been much cooler than the models predicted.

The troposphere, which extends from the Earth's surface to about 6 miles, is an important part of the atmosphere to climate change researchers. Warming in this section of the atmosphere would indicate that any warming trend is due to human activity.

The disagreement between the model predictions and the data could mean that greenhouse effects are not to blame for the surface warming trend that environmental activists are concerned about.

The models predict that as surface temperature rise, the temperature of the troposphere will also rise. Surface warming alone could merely indicate an increase in radiation from the Sun, or a host of other natural phenomena.

In order for their predictions to be considered accurate, the models have to match both the surface and troposphere observed temperature trends.

"We've tested what the model wasn't tuned too. It's a proper test for the models," Christy said.

According to Christy, the impetus for the current work was a recent government publication, the U.S. Climate Change Science Program Synthesis and Assessment Product, which includes phrases that indicate the satellites and model data do match.

The report cites potential errors in weather balloon and satellite temperature measurements.

See Warming on Pg. 8

UAH Rocket Team Ready To Launch

RACHEL LACKEY
Freelance Writer

With construction plans that could hold their own on a "pimp my rocket" reality show, winners of last year's NASA-sponsored University Student Launch Initiative are set to take off again this spring. The Marshall Space Flight Center and Alabama Space Grant Consortium will host the rocket building and launching competition for 11 teams from around the United States.

Participation has increased from the 2006-07 initiative, which saw eight teams from seven universities. During last year's launch, all teams except UAH and Fisk University had trouble with the recovery. But even the two remaining teams had difficulty reaching the target height: UAH overshot by about 600 feet, while Fisk was un-

der by about 600 feet. Since points are deducted for both going over or under target, the two teams remained neck-to-neck.

"We won by the skin of our teeth," laughed Dr. Marlow Moser, assistant professor of mechanical and aerospace engineering and faculty sponsor since 2001.

Moser said that in addition to "bragging rights for a year," the team won \$5,000 and an invitation to the November shuttle launch. The 2007-08 competition will offer prizes in separate categories such as best presentation, best looking, and best flight, as well as the overall prize.

Teams are judged on several factors at different stages in the project's development, not just the launch. Each year, the rocket must be built from scratch.

As reigning champions, the

UAH team is aiming even higher this year, so to speak. Moser said this year's rocket is bigger and stronger. The team also plans to add to the scientific payload that must travel aboard the rocket. The new version will be loaded with measurements for acceleration in 3-D and launch angle in respect to the magnetic field (also in 3-D), a 3-D gyroscope, GPS measurement, video, and a small, separate vehicle that will deploy from the main rocket after the launch and fly back separately on an autopilot parasail.

Thankfully, participants do not have to pay out-of-pocket, though each team does have to secure its own corporate sponsors. The Alabama Space Grant Consortium and Research Institute provide most of the UAH team's funding; supplies often are donated by individuals and local companies.

Campus Crime Report



The following statistics are provided in compliance with the Federal Crime Awareness and Campus Security Act of 1990, and as a courtesy to the University Community, and represents Incident/Offense Reports taken by UAH Police between November 1, 2007 through midnight December 31, 2007.

For the month of November:

TYPE OF INCIDENT/OFFENSE	PLACE OF OCCURRENCE	
Burglary	704 Tatom	1
	Spragins Hall	1
Criminal Mischief	Frank Franz Hall	1
	University Fitness Center	3
	UA Huntsville Lake	1
Damage to Private Property	UA Huntsville Campus Quad	1
Driving Under the Influence	Cramer Hall/Sparkman Drive	1
Found Property	Roberts Hall	1
	Wilson Hall	1
	UA Huntsville Campus Quad	1
Harassment	Library	1
	University Center	1
Possession of Marijuana	Sparkman Drive/Adventist Blvd.	2
Public Intoxication	Cramer Hall	1
Receiving Stolen Property	Frank Franz Hall	1
Recovered Property	Business Administration Building	1
Theft of Property	709 Tatom	1
	Morton Hall	1
	North Campus Residence Hall	1
	South East Campus Housing	1
	Wilson Hall	1
Traffic Accident	John Wright Dr.	1
	Library	1
	Materials Science Building	1
	Morton Hall	1
	Physical Plant Building	1
	Wilson Hall	1
	University Center	2

For the month of December:

Criminal Mischief	708 Erskine St	1
	711 Erskine St	1
Criminal Trespass	SE Campus Housing	1
Disturbance	Business Admin. Building	1
Duty Upon Striking Unattended Vehicle	University Center	1
Harassment	Central Campus Res. Hall	1
Sexual Abuse	Salmon Library	1
Theft of Property	Salmon Library	1
	University Fitness Center	1
Unauth. Breaking and Entering Vehicle	North Campus Res. Hall	1
	SE Campus Housing	1

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SGA Tackles Spring Issues

KATHERINE BAKER
Senior News Writer

SGA elected officers were sworn in last November and with the arrival of the spring semester they prepare to take on old challenges and new projects such as SGA staffing, administrative connectedness, student involvement, and parking. Among some of the new ideas, the president mentioned sanitizing UAH lake area and possibly, making the university a "wet" campus.

Although elections happened last fall, the SGA still lacks filled positions in the senate and the executive branch. Peter Scherff, executive vice president, explains that work needs to be done to improve the judicial aspect of the organization, to guarantee contested future elections, and to communicate to the administration that the SGA is not just here to "complain."

"I think it's important that the administration see that we are also a tool for them," Scherff stated.

One prominent issue that affects most clubs and organizations on campus is the lack of student involvement. A general consensus is that this is due to UAH being a commuter school and Huntsville a nontraditional college-town. But SGA President Samuel Parks, offers a more profound answer based on his knowledge of the theories of political scientist, Robert Putman.

"I don't think it's just student participation; I think it's societal participation in a collective event. We spent about thirty years doing research collectively looking at social groups and how they diminished over the course of American history, and that ties into the development of television and internet," said Parks. He explains that his counterparts in Tuscaloosa, Au-

burn, and Troy, all agree that the lack of student participation is a problem growing nationwide.

Both Parks and Scherff are looking into finding more incentives to promote student involvement on campus.

As for more long-term projects, the UAH lake area needs a desperate cleaning of bird feces. The SGA would like to see a group or team designated for keeping these areas clean, so that it may be more sanitary and enjoyable for people and ducks.

Parks also discussed the possibility of making UAH a "wet" campus. He explained that the penalties for breaking drinking regulations now are harsh, but under a "wet" system, students would be allowed to drink in common areas which would enable them to stay out of trouble. Parks is also favorable of building a bar on campus.

SGA Elected Officers

President: Samuel N. Parks
Vice-President: Peter Scherff
Vice-President for Finance: Joe Coronado
Consul: Justin Roller
Scribe: Chelsea Brown
Executive Chief of Staff: Aaron Meyer
Director of STARS and Higher Education Affairs: Anthony Bowling
Director of Special Events and Occasions: Sean Kaloi
Archivist: Amber Rauschkolb
Deputy Communications Director for Web Site Development: Max Avula
Deputy Communications Director for Charger Cast: Ryan Tonini
Senate Rules and Revisions Committee Chair: Kim Willis
Senate Clubs and Organizations Committee Chair: John Carpenter
Senate Finance Committee Chair: Ryan Cisneros
Senate Campus Affairs Committee Chair: Damon Percival

Library Updates

KATHERINE BAKER
Senior News Writer

With the closing of the Von Braun Research Hall computer lab, Salm-on Library will now take responsibility for providing 24-hour computer access to students. The first floor lab, now known as the Info Arcade, will open Sundays at 1 p.m. and close on Fridays by 8 p.m. On Saturdays, the computer lab will only be open from 9 a.m. to 6 p.m.

During late hours (midnight until 8 a.m.), the use of the Info Arcade is restricted to UAH students, faculty, and staff. To gain entry during these hours, one must swipe their Charger card twice: once at the front door and again at the Info Arcade door.

Dean Luquire explained that it is more feasible for students because the lab offers 60 computers, whereas the VBRH lab only provided 20. Other positive attributes include access to math and business software on some of the computers, and during late hours, printing to the circulation desk is free.

In other news, the library café proposed for January 2008 has been postponed due to construction issues. There is no set date for the building of it, but Luquire confirms that plans are still in effect.

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Positions Available:

Writers: One story every week or two on a campus event, personality or other activities. Must be willing to edit your own work and deal with deadlines.

Photographers: Limited photography hardware will be available but having your own camera is a plus. You will need to be willing to go to UAH events and be able to take photos of people, places and things of interest on campus.

Contact the Exponent for more information or fill out an application at Career Services and drop it off at the Exponent offices, room 104 in the UC.

UAH Lake Home to Injured Bird

KATHERINE BAKER
Senior News Writer

The lake across from the Von Braun Research Hall and the Engineering Building has been a good resting place for the northern birds migrating south, but for one individual goose, it has become a permanent refuge.

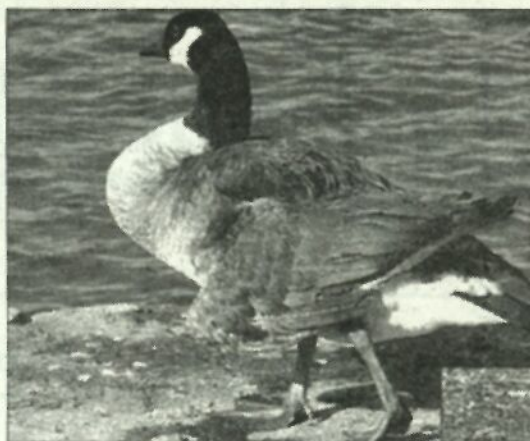
This bird is a Canada goose with an injured left wing which appears to be badly broken. The Wildlife Rehabilitators of North Alabama (WRNA) explained that a rescue attempt has been made, but was unsuccessful. Additionally, if they were

to catch the bird, there is not much they could do except euthanize it.

Karen Sheppard, director of Huntsville Animal Services, agreed that the goose's situation is unfortunate but there is little veterinarian services could do because the cost of rehabilitating wildlife is so expensive. If the species were endangered then it would be cause enough for the expenditure of

treating the goose for educational reasons, but because its species is so plentiful, the interest would not be there.

"The humane thing to do is to leave the bird alone. It is in a protective environment with the lagoon,"



Above and right: The UAH duck pond's newest resident, Carel. (Photos by: Katherine Baker)

she stated. Additionally, the goose is said to be better off; that it has a better chance of survival because it is grounded at the UAH lake where it has company from its bird companions and food from loving humans.

The WRNA also states that feeding the bird bread is not very

healthy. It is better off receiving nutritional cereal instead. Their suggestion is Kashi, but for students on a low budget, generic Cheerios will do.

Furthermore, it would be of great safety to the UAH faculty, staff, students, and birds, if people could remain cognizant of their speed as they drive through that area. The intersection of Lakeside Drive and west John Wright Drive is no longer a four way stop. It is a three way stop with only one stop sign facing the direction of the Optics Building, which makes it easier for people to speed through the intersection.



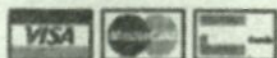
Members of *The Exponent* have adopted a French name for the goose. The bird is being called Carel, which means strong.

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"The Business of Being Born" Screening at UAH

STEPHANIE KALOI
Senior Arts & Leisure Writer

On January 31, UAH will host a screening of the recently released and somewhat controversial documentary "The Business of Being Born" at 7 p.m. in Chan Auditorium. The film, which has been brought to Alabama thanks to the Alabama Birth Coalition, is directed by Abby Epstein, (who also directed "World VDAY/Until the Violence Stops"), and produced by former talk-show host Ricki Lake. The UAH screening is free and open to all members of the public, but parents should be advised that there are birthing scenes that may trouble young children.

Kristen Brinkley is a UAH Nursing student and advocate for the film. In addition to her demanding nursing schedule, Kristen is a stay-at-home mother to two children, Wini (age 2) and John Allen (9 months). She was able to find time for an interview about the upcoming showing.

Exponent: What initially sparked your interest in this film? How did you hear about it?

Kristen Brinkley (KB): I heard through email about a viewing in Birmingham hosted by Alabama Birth Coalition. I attended [a screening] with a girlfriend of mine and was blown away.

Are you working with an organization to bring the film to Huntsville?

KB: Yes, I am working with the Alabama Birth Coalition. Several women from this organization are working together to get this viewing.

Why did you want to bring the movie to Huntsville?

KB: I wanted to bring the movie to Huntsville because I truly believe all pregnant women should educate themselves before they birth. They need to understand their options and the risks involved. I feel this video does an excellent job of describing the maternity system in the United States.

Right now in Alabama, it is illegal for a licensed nurse to be present at a birth conducted by a midwife. Why do think this is so?

KB: Alabama law grants licensure to nurse-midwives, and what they can do is regulated by rules that the Board of Nursing and Board of Medical Examiners have established. Their statute prevents them from attending home births. Certified Professional Midwives are the nationally-accredited professionals who are trained specifically for births in the home setting. It is a newer credential, and Alabama has not yet passed a licensure law to allow them to practice here legally.

What do you hope the movie will tell people or help them learn?

KB: That birthing with a midwife is a safe option—that birthing out of the hospital is a safe option for healthy women with normal pregnancies. That women do have a variety of safe options for birth.

What issues does the film grapple with? In other words, what does "The Business of Being Born" really mean?

KB: I'm quoting what is said in the press notes, and it's said perfectly: "The film's fundamental question: Medical emergency? In America, midwives attend less than 8 percent of all births and less than 1 percent occur outside a hospital. At the same time the United States has the second worst neonatal death rate in the developed world. Where has America gone wrong? Why is the Cesarean rate so high?" Stephanie, I can give you my opinions, but truly the press notes on the website (<http://www.thebusinessofbeingborn.com> under "Press") are the best resource. I'm afraid my own opinion isn't good enough.

Has the film been shown elsewhere? What has reception been like?

KB: The film has received international attention. It debuted at the Tribeca Film Festival in 2007 and received a standing ovation. Birth organizations all over the nation have hosted small scale viewings since then to raise money for their particular organization, just as the Alabama Birth Coalition is doing as part of their public education programs. It was released in theaters this week. Those theaters, however, only included the IFC Film Center in New York, Laemmie Sunset 5 in Los Angeles, Roxie Cinema in San Francisco, and SIFF in Seattle, Washington. It will be released on Netflix sometime in February.

What is something many people do not know about the process of birth that the film will teach us?

KB: That it's natural, it doesn't necessarily need to be augmented, induced, numbered, controlled, or monitored. It's not a disease to be in labor or to be giving birth. It's rare that problems occur, but we can potentially cause problems when we start to augment, induce, numb, control, and monitor a natural process.

Why should people go see this movie?

KB: I didn't educate myself when I was pregnant with my first child. I did as many American women do: went out and bought the book "What to Expect When You're Expecting" and listened to my obstetrician's instructions during our short visits every several weeks; that was enough for me. I was so fearful of the whole thing that I didn't ever consider anything other than what the norm was: an induced labor and an epidural. I was in labor for twelve hours and ended up with a Cesarean. It was the most painful thing I've ever experienced, both emotionally and physically.

What do you feel is the most important message of the movie?

KB: Birth is normal. For healthy women, home birth with a skilled midwife is a safe option that should be easily accessible.

How can this film relate to young men and women? What kind of messages does it have for college-aged students?

KB: For one thing, college-aged students need to realize that in the state of Alabama it isn't legal to have a home birth with a midwife. The law is simple. You can have an unassisted childbirth in your home. It's illegal to have any trained and certified individual present at your birth. So many women are seeking care across state lines. It's legal in Tennessee and Florida, and many women have their "home births" there.

UAH Students Weigh in on Midwifery

STEPHANIE KALOI
Senior Arts & Leisure Writer

Katrina Weidenthal and Jennifer Moore are two twenty-something college students. Katrina is a nursing student at UAH, and Jennifer is an accounting major at Calhoun Community College. Both are mothers, both have given birth in a hospital, and both have their own ideas and opinions about the birthing industry today.

Exponent: First, tell me about your child—who is she or he?

Katrina Weidenthal (KW): Skylar Marie is three. She loves princess stuff, dressing up, "cooking" in her kitchen, any kind of arts and crafts activity, and making up songs. She's just started getting board games—Hi-Ho! Cherry-O, Don't Break the Ice, Candyland, and matching games. She loves imitating me, and to ask "Why?" about everything. She's really, really sweet and smart and amazing. I could talk about her all day!

Jennifer Moore (JM): My son is Geoffery Conner Moore Billions, and he's four. He loves anything to do with numbers. He also loves bingo, playing cards, and TV shows dealing with numbers—specifically "Deal or No Deal." He doesn't like to be alone ever and loud noises really bother him.

Exponent: When you found out you were pregnant, did you automatically assume you would give birth in a hospital, or did you consider home birth with a midwife?

KW: I just assumed I would give birth in a hospital since that's what my insurance covered. Money played a big factor in my decision. Also, since Skylar was my first child, I wanted to be in a hospital where all the equipment and doctors would be located in case anything went wrong. However, I had a very easy delivery, and after giving birth naturally in a



Above: Katrina and Skylar Weidenthal. (Photo by: Dustin Mathias)
Below: Jennifer Moore. (Photo by: Stephanie Kaloi)



hospital—no drugs, epidural, or anything—I would definitely consider a home birth for my next child, if I had a normal pregnancy.

JM: I assumed I would give birth in a hospital. From what I understand, home births can be expensive, and for my first child, I wanted the support of a doctor. This actually worked out well, because I ended up needing an emergency Cesarean section.

Exponent: What do you think about midwifery? Do you support or oppose it? Why or why not?

KW: I definitely support midwives, as long as the midwife knows what she's doing. I believe that mothers are much more comfortable in their own homes than in a hospital. They can control their environment—when they eat, sleep, walk around, the room temperature, what they wear, etc. This lowers their stress levels and allows for an easier labor and delivery.

JM: In all honestly, I didn't think about it—having a midwife never crossed my mind.

Exponent: Why do you think midwifery is illegal in Alabama?

KW: I honestly have no idea. I would guess it's to protect mothers and their newborns. Maybe hospitals just want to make sure that a licensed person is legally assisting with deliveries, so that mothers and babies are completely safe. I hope it has nothing to do with money.

JM: Maybe officials realize that sometimes a woman does need the help of machines and modern medicine with some pregnancies. In some cases a midwife might realize a woman needs help (like an emergency Cesarean section) and it might take too long to get to the hospital and something could go wrong.

See MIDWIFERY on Pg. 8

Dr. Martin Luther King, Jr. Lecture To Be Presented

STEPHANIE KALOI
Senior Arts & Leisure Writer

No one in the inner circle of Dr. Martin Luther King, Jr., including the man himself, was naive to death threats made against him prior to his assassination on April 4, 1968. Though he could not have known that his death was imminent when he made his famous "Mountaintop" speech to sanitation workers in Memphis, King demonstrated his near-prophetic capacity towards the end of his talk.

This speech will be discussed next in the lecture series sponsored by the Office of Multicultural Affairs. On January 17, Dr. Joyce Peoples, bishop at Faith Fellowship Ministries International, Inc. will deliver a lecture entitled "A Time Comes When Silence is Betrayal: A View from the Mountaintop" in the University Center Exhibit Hall at 4 p.m.

"The theme of the speech is 'A View from the Mountaintop' and Dr. Peoples will make remarks in the scope of that theme," explained Dr. Lee Williams of OMA. "If you've heard Dr. King's Memphis speech, at the end of it he talks about the struggle continuing and telling the people that he didn't know whether he was going to make it to the end

with them. He said it really didn't matter; he said he would like to live a long life, but in case he didn't, the Lord had allowed him to go to the mountaintop and look down into the Promised Land, so that's where this [the theme] comes from."

Peoples is a Huntsville native. She attended Council Training School and was salutatorian of her class. She received her undergraduate degree with a double major in English and social sciences from Alabama A&M University in 1957, and then went on to earn a master's in English from A&M.

Upon completion of her master's, Peoples studied English education on a National Defense Education Act fellowship at Tuskegee University. After this, she studied at Florida State University on an NDA fellowship in pursuance of an educational specialist degree, and earned both a doctorate of education with distinction from the American University in reading and psychology, and a doctorate of philosophy from Nova University.

Peoples currently resides in Georgia, where she has served as dean of humanities and fine arts at Atlanta Metropolitan College and is the chaplain at the Women's and Children's Shelter in Atlanta.

Peoples continues to be active academically and has published three books and numerous articles on various topics.

The lecture will be formatted as are most OMA speeches. An invocation will be presided over by Dr. Homer L. McCall, who is the pastor at Huntsville's St. John African Methodist Episcopal Church. Shortly thereafter, guest LeRoy Caudle, CEO of INFOSURV, will sing and Peoples will be introduced and deliver her speech.

Following the speech, David Mayo, president of the Minority Graduate Student Association, will present and deliver the Peer Challenge and Distinguished Service Awards. These awards are presented to students who have excelled within their community and/or academic fields.

"He will exhort his fellow students to live up to their potential as scholars and humanitarians in light of Dr. King's life and legacy," said Williams.

Following the awards, McCall will return to deliver the benediction. Peoples will be available for a short time following the presentation. The lecture is open and free to the public. UAH students, faculty, and staff are encouraged to attend.

Practicing What They Teach: Faculty Art Show

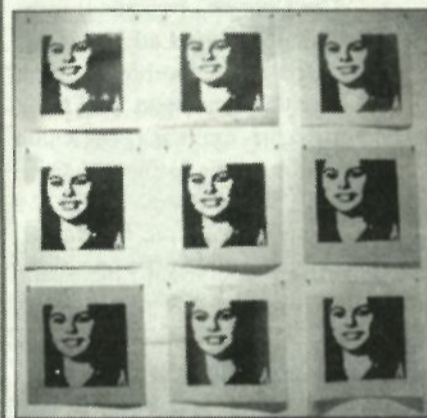
RACHEL LACKEY
Freelance Writer

The UAH Faculty Art Show is in the University Center gallery through its closing reception on Tuesday, January 29 from 4-6 p.m.

The show is a diverse collection of drawings, sculpture, paintings and photographs from current art department faculty, including visiting professor Everett Cox's bronze-cast figure sculptures. Cox replaces Glenn Dasher this semester, who became dean of liberal arts in the fall.

Several pieces in the show have regional and national recognition. Two were part of the Red Clay Survey at the Huntsville Museum of Art last year: Dasher's bronze-cast and stone-carved sculpture, "Strata II," and Brandon Gardner's 9-foot woodcut print, "Lincoln Rides Again." Drawing and painting professor Jill Johnson created her mixed media drawings during her summer residency at Cooper Union.

Teresa Zimmerman's Senior Exit Show, titled "Operating in the Space Between Art and Craft: Work by Teresa Zimmerman," will be on display in the Union Grove Gallery January 15-25. The gallery will be open 12:30 - 4 p.m., Monday through Saturday.



Above: "Self Portrait," by Teresa Zimmerman (2003).
Left: "Graduation," a woodblock printing by Teresa Zimmerman (2004).
(Photos by: Stephanie Kaloi)

Just Move It

The 10 week Campus-wide Fitness Competition at UAHuntsville

For all Students, Faculty & Staff

- 1/28/08 to 4/6/08
- Start your own team or join a team
- Make your own fitness goal
- Log your minutes of exercise weekly
- Just Move It in any way you wish, as long as you go for at least 10 continuous minutes and get your heart rate up as much as you would during a brisk walk!

Participants receive:

- T-shirts
- Entry into wellness events
- Accountability
- Motivation
- Top individuals win \$100 or \$50 gift cards
- Top team wins the President's Fitness cup

Come to the JMI Kickoff Event on Monday, 1/28/08 at 12pm in the UC Exhibit Hall

President Williams will rally us to Just Move It!

Freebies, Snacks, Fitness Demos, BP Checks and more!

Call 824-6007, email jmi@uah.edu or visit www.uah.edu/~fitness for more info.

Sports From Over the Break

RAYMOND GILSTRAP
Senior Sports Writer

While students were away from school for the holidays, the season continued for three of UAH's sports teams. The men's and women's basketball teams, and the hockey team all played games.

Over the break, the Lady Chargers' basketball team had the best record of the three UAH teams, ending their holiday run at 4-3, with wins coming against Judson College, Oakland City, Ouachita Baptist, and a thrilling overtime win against Saint Leo.

In a game against Christian Brothers on December 17, the Lady Chargers lost 84-77; however, it was a well-fought game for the team, which was behind as much as 19 points during the second half. Two UAH players scored more than half of the points for the Lady Chargers. Junior guard Tonya McKinney finished the game with 29 points, while junior center, Kristen Banes, scored 28 points. McK-

inney and Banes also grabbed eight and six rebounds respectively.

On December 29 and 30, the Lady Chargers participated in the University of North Alabama (UNA) Holiday Classic and had one loss and one win. The win was an overtime victory against Saint Leo, after the Lady Chargers overcame a huge deficit. The Lady Chargers also started 2008 off with a victory on January 2 against Oakland City. The score was 66-57, and UAH had outstanding performances from McKinney, Banes, and senior guard, Julie Richardson. On the first day back to school, the Lady Chargers beat Ouachita Baptist, 62-56.

The Chargers basketball team nearly matched the Lady Chargers record from over the break, going 3-4 over that time span. The three victories for the Chargers came against Christian Brothers, Oakland City, and Harding.

A few days before Christmas, the Chargers pulled off a one-point victory against Christian Brothers,

57-56. Senior guard Tyler Dunaway had 13 points and nine assists in the game, while junior guard Casey Stafford had 16 points and six rebounds.

After the win against Christian Brothers, the Chargers dropped their next two games in the St. Edwards University Tournament in Austin, Texas, against Texas A&M—Commerce and Tarleton State. However, the Chargers came back after the tournament with a bang, by beating Oakland City at home, 71-57.

The next game saw another UAH loss as the team battled Rochester College; however, Tyler Dunaway scored a career-high 27 points. Junior guard Kael Coleman also had a career-high ten assists.

The break was a rough time for the UAH hockey team. The Chargers lost three of their four games towards the end of the month of December and tied one of the two games against Robert Morris.

On December 7 and 8, the Chargers were swept by the Be-

midji State Beavers in a College Hockey America (CHA) battle despite a goal from sophomore left wing Kevin Morrison in the first contest—the final score was 3-1. The Chargers also failed to score a goal in the second game against Bemidji State and were shutout 2-0.

In the two games against Robert Morris ten days later, the Chargers suffered a terrible loss in the first game, as Robert Morris won 7-1. The next day, the Chargers tied Robert Morris 4-4, as junior forward Joe Federoff brought the score even with a goal with 21 seconds remaining.

Now that school is back in session, the hockey and basketball seasons continue with hopes of all three teams improving their records from the break. On January 18 and 19 the Chargers hockey team plays Yale at the Von Braun Center. On January 19 the Lady Chargers and Chargers basketball team also play at home against West Florida.

February Brings Baseball and Softball

RAYMOND GILSTRAP
Senior Sports Writer

With February comes Valentine's Day, President's Day, and spring sports. February 1 marks the start of the baseball and softball seasons at UAH.

Both teams will be traveling to Florida to play their first games. The Chargers baseball team will be in St. Augustine to take on Flagler, while the Lady Chargers softball team will be in Miami Shores and Ft. Lauderdale to participate in the Barry/Nova Tournament.

The softball team is coming off of a great 2007 season where they finished 45-18, while the baseball team is looking to improve their 2007 record of 21-30.

New Season Approaches for Track Team

RAYMOND GILSTRAP
Senior Sports Writer

Friday, January 18 brings the beginning of the 2008 track and field season, as the UAH Chargers travel to Carbondale, Illinois to participate in the Saluki Booster Invitational. The first meet of the season will showcase sprinters and field participants. The long distance runners will not see action until the second meet of the season.

"We're just taking the field eventers and sprinters to get them into a meet and give them a chance to get some competition," Coach David Cain said in a recent interview. "We're not taking the distance runners because they just finished with cross country. We're not planning to race them until the meet on February 2."

The distance runners deserve the break that Cain is providing for them as the cross country team

is coming off a brilliant season, where both the men's and women's teams qualified for the 2007 National Collegiate Athletic Association (NCAA) Division II National Championships for the first time in school history. It was the third visit to nationals for the Lady Chargers, who finished 18th in the competition, and the first visit for the Chargers, who finished in last place.

The track team sprinters and field participants have trained hard since mid-September to prepare for the upcoming season. They went through fall conditioning up until final exams and Cain provided them with a training schedule over the winter break.

Cain has some high expectations for this track season, considering last year's performances from the track and field squad and

the success of the cross country team.

"This year, we potentially have the strongest team ever," Cain said. "The men's team has good, young distance runners and the women's team is the Division II South Regional champions. We want to repeat this title in the spring and we have a great shot to do that."

The ultimate goal of the track team is to become regional champions and have members qualify for nationals; however, Cain is not concerned with winning championships right now. He wants to take

"This year, we potentially have the strongest team ever..."

each meet one step at a time.

"Right now, the assistants and I are stressing working hard and improving a little

every day," he stated. "We put an emphasis on each meet to get the team focused to compete at a high level and then, build upon that."

Senior Sports Profile

Name: Tyler Dunaway

Sport: Basketball
Number: 5

Position: Point Guard

Major: Marketing

What Tyler likes most about UAH: "I like the family atmosphere and small classes. I feel that it creates a better learning style."

Why Tyler enjoys playing basketball: "I enjoy playing basketball at UAH because of the team concept of the sport. I also like having people around me that I like and can have fun with on the court."

Tyler's Hobbies:

"I've got all kinds of hobbies because I'll try anything. I like wakeboarding, playing paintball, and I love to watch movies. I like just about anything because I love to try anything."

Tyler's plans after graduation from college: "My plan is to get a job. I have already put in a couple of applications outside of Huntsville, and if they don't work out, then I will probably stay around here and get a job."

Want more Tyler? Then, come out and support the Chargers basketball team this season. Their next game is Saturday, January 19 against West Florida at Spragins Hall.

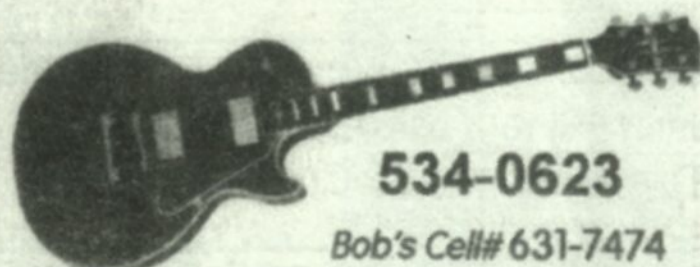
If you are a senior sports player and would like to be considered for a future Senior Sports Profile in The Exponent, then e-mail Raymond



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CAMPUS CALENDAR

Thursday, Jan. 17

- Dr. Martin Luther King Commemoration Program, Dr. Joyce Peoples, Decatur Ga., UC Exhibit Hall, 4 p.m.

Friday, Jan. 18

- Ice Hockey vs. Yale, VBC, 7:05 p.m.
- UAH Dance Club Dance (West Coast Swing), UC Exhibit Hall, 8 — 10:30 p.m.

Saturday, Jan. 19

- Basketball vs. West Florida, Spragins Hall, Women's Game, 5 p.m.; Men's Game, 7 p.m.
- Ice Hockey vs. Yale, VBC, 7:05 p.m.
- Music Recital: Ron Wray, clarinet, Elizabeth Loy, cello, and Becky Waters, piano, Roberts Recital Hall, 7:30 p.m. \$5 for adults

Monday, Jan. 21

- Basketball vs. Valdosta State, Spragins Hall: Women's Game, 5 p.m.; Men's Game 7 p.m.
- Holiday. No classes.

Tuesday, Jan. 22

- Honors Forum: "The Taming of the Shrew" and "Henry V" performance introductions, Frank Franz Hall, 11:10 a.m. — 12:30 p.m.

Thursday, Jan. 24

- Honors Forum: "The Merchant of Venice" performance introduction, Frank Franz Hall, 11:10 a.m. — 12:30 p.m.

Friday, Jan. 25

- "The Origins of My Novels: Ahab's Wife, Four Spirits, Abundance: A Novel of Marie Antoinette, Sena Jeter Naslund, Chan Auditorium, 7:30 p.m. (followed by book signing)

Tuesday, Jan. 29

- Honors Forum: "What is Research in Philosophy," Dr. Nicholas Jones, Frank Franz Hall, 11:10 a.m. — 12:30 p.m.

Wednesday, Jan. 30

- Music Recital: José White String Quartet, Roberts Recital Hall, 7:30 p.m.

CHARGER SCOREBOARD

Hockey Record 2-12-2

December 7	December 18		
Bemidji State	Chargers	4	4
Chargers	Robert Morris	1	4
December 8	January 11		
Bemidji State	Bemidji State	2	4
Chargers	Chargers	0	0
December 17	January 12		
Robert Morris	Bemidji State	7	7
Chargers	Chargers	1	1

Women's Basketball Record 7-8

December 8	January 5		
Lady Chargers	Harding	92	85
Judson	Lady Chargers	28	62
December 17	January 7		
Christian Brothers	Ouachita Baptist	84	62
Lady Chargers	Lady Chargers	77	56
December 29	January 12 (OT)		
Kentucky Wesleyan	West Alabama	71	76
Lady Chargers	Lady Chargers	60	74
December 30 (OT)	January 14		
Lady Chargers	Montevallo	77	63
Saint Leo	Lady Chargers	76	58
January 2			
Lady Chargers		66	
Oakland City		57	

Men's Basketball Record 7-9

December 8	January 3		
Barry	Rochester	63	73
Chargers	Chargers	60	68
December 17	January 5		
Chargers	Chargers	57	73
Christian Brothers	Harding	56	69
December 29	January 9		
Texas A&M-Commerce	Carson-Newman	66	88
Chargers	Chargers	60	72
December 30	January 12		
Tarleton State	Chargers	66	76
Chargers	West Alabama	50	66
January 2	January 14		
Chargers	Montevallo	71	62
Oakland City	Chargers	57	49

Crossword

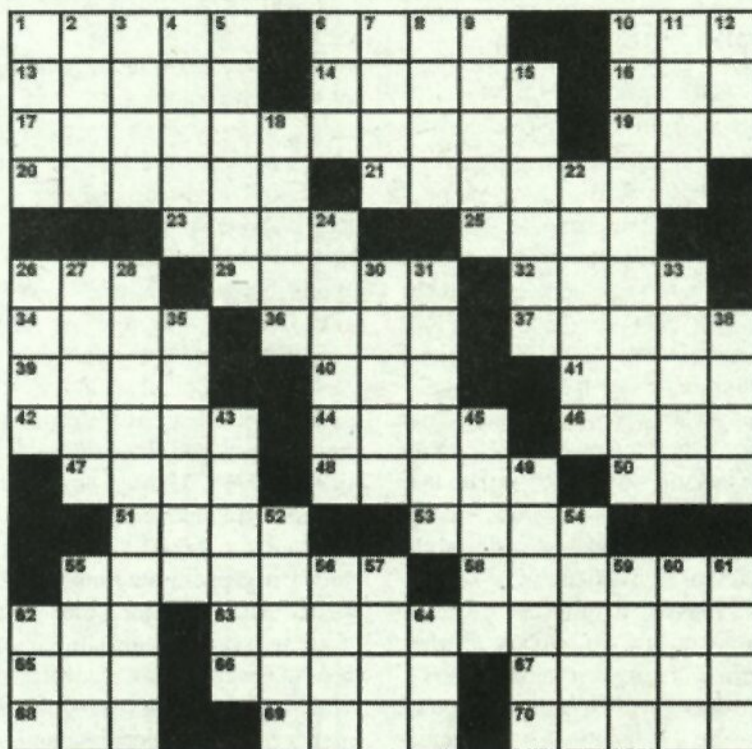
Farewell 2007

Across

1. Outfit
6. Wanders
10. Draft pick?
13. Muscat native
14. Skylit lobbies
16. Test site
17. 2007 Grammy winners
19. Highchair wear
20. Suture
21. ___ Alan Arthur
23. Kennel cry
25. Visionary
26. Marx follower?
29. Kind of energy
32. Takes home
34. Mix
36. Life of Riley
37. Forum outfits
39. With 24D, NY olympic site
40. El ___
41. Roman, e.g.
42. Discharge
44. March time?
46. Rocker Glenn
47. Deli side
48. Martin and Koontz
50. Bard's "before"
51. Mishmash
53. Ooddles
55. "That rocks!"
58. Brand of salsa
62. Famous couple with 61D
63. 2007 Oscar for best picture
65. Remote button
66. Big rigs
67. Busybody
68. Hole puncher
69. Pencil-and-paper game
70. Some kind of jerk?

Down

1. Venus and Mars



2. Give out
3. Judd Hirsch sitcom
4. Kwanzaa principle
5. Pie servings
6. Bit of cheer
7. Of the ear
8. St. Louis attraction
9. Ditka and Douglas
10. 2007 Nobel prize sharer
11. Den
12. Fall back
15. Concur
18. TV's "24" heroine
22. Start a drive
24. See 39A
26. Key
27. Bucks
28. 2007 World Series MVP
30. Stage whisper
31. Distribute anew
33. Not so nutty
35. Flea market deal
38. Eyelid woe
43. Unexpected changes
45. Pry
49. Alley cats
52. Voiced admiration
54. Throat ailment
55. Declare
56. Staff note
57. Prepare copy
59. 1992 erupter
60. Understands
61. See 62A
62. Longoria of *Desperate Housewives*
64. Beginning of summer

Quotable Quote

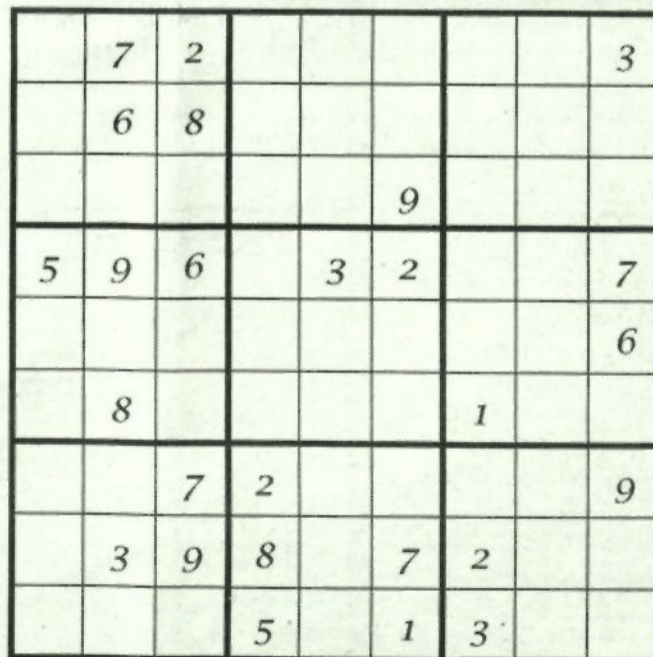
Cheers to a new year and another chance for us to get it right.

... Oprah Winfrey

By GFR Associates ... Visit our web site at www.gfrpuzzles.com

By Ed Canty

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:

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

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

Editorial: Elections, Not Just for Old Fogeys

KAREN PULLINS
Editor in Chief

Students these days have a wealth of information around them when it comes to politics. Granted some of that information is filtered, canned, and written by some public relations guru. But it is out there, and so many aren't paying attention. It seems that our nation's campuses suffer from the same illness as the rest of the country: the idea that elections are for picking the person you "like" rather than finding a candidate who matches your political ideals, and only if voting is convenient.

Maybe we're turned off by all the sound bites and slogans. Maybe we're too busy dealing with the every day stuff like bills and school, but the \$3 a gallon gas contributes to those bills, filtering down into the rising costs of everyday things like groceries. After all, that food has to get to the store somehow. Paper even costs more, which finds its way into prices at the book store and even fast food wrappers. Our nation's floundering economy and global political situation affects every single aspect of your life, including rising tuition and falling financial aid.

It's not just the economy. There

are heightened security checks at airports, wiretaps without warrants, color-coded paranoia and political corruption at every turn. Trust me, while you're distracted with Paris Hilton prison fiascos and Brittany Spears breakdowns, the wheels of the government machine are still quietly turning, chiseling away at your freedom and making decisions that affect the whole world.

The US Census Bureau estimates there are almost 16 million students enrolled in college this year in the US. If every single one of them were registered to vote and educated on the issues, and they chose to support one single candidate, they could greatly alter the outcome of an election. In fact, if the same amount of students enrolled right now had been eligible to vote in the last election and had all voted for John Kerry rather than George W. Bush, we'd all be calling John Kerry "Mister President."

Based on approval ratings, we certainly don't trust President Bush to continue to run the country as we would like to see it run. I think a great deal of us are frightened at the thought of what he might do in the next year. But what can we do as college students? Our founding fathers might suggest we protest loudly in the center of town square.

That is a great idea, provided you have the time to make it to Cal B for your final, afterwards.

That was 1776. This is 2008, and standing around complaining in this day and age isn't going to do anything at all, in fact, those who do follow the suggestion of our founding fathers might wind up in Guantanamo without trial for a few years. That doesn't mean I don't agree with standing outside congress in peaceful protest against their abuse of the power our country gave them, but I think those actions no longer speak as loudly as they once did.

Power is in the people, its true, and college students are a rather large group of people, but we're lazy, too busy or just don't care. Instead of complaining, watching celebrity dramas, playing with our Wii's, and shooting off on Facebook, maybe we should just get out there and vote. If we choose a person we think is capable of running the country as we would like to see it run, we might actually have a chance to save our economy, our rising tuitions, the weekly bleeding out at the gas pumps. It might be the only right, the only voice, the only avenue we have left.

Requirements to Vote:

- 18 Years of Age
- U. S. Citizen
- Resident of the United States
- Never convicted of a felony
- Not declared mentally incompetent
 (Post-finals mental exhaustion does not count.)

Where to Register to Vote:

- The Board of Registrars, Fifth Floor, Madison County Courthouse, Huntsville
- All City Halls
- Public Libraries
- Armed Forces Recruiting Stations
- You may also register when applying for: State of Alabama Driver's License or Aid to Dependent Children, Food Stamps, WIC, Medicaid, or Rehabilitation Services.
- A postcard registration form may be obtained by calling the Madison County Board of Registrars at 256-532-3510, the State Office of Voter Registration 334-242-4337 or the Office of Secretary of State, 1-800-274-VOTE (8683)

GREEK SPEAK

Pi Kappa Alpha

The brothers of Pi Kappa Alpha initiated 16 new guys this past fall semester and their Rush Week is starting next week on Sunday, Jan. 13. The following are the events they have scheduled. Sunday, Jan. 13-1:00pm: Cook-out and NFL Playoffs @ The Pike House Monday, Jan. 14-8:00pm: Poker Night @ the Pike House Tuesday, Jan. 15-6:30pm: Buffalo Wild Wings @ Madison Square Mall Wednesday, Jan. 16-7:00pm: Hooters, followed by ACE Event @ 9 pm Friday, Jan. 18 - 9:00pm: Cosmic Bowling @ AMF Pin Palace Saturday, Jan. 19 - 1:00pm: Video Games and Pizza @ The Pike House If you have any questions about Rush Week call a brother. Jonathan: (256) 566-3842 or David: (931) 625-1100

From MIDWIFERY on Pg. 4

Exponent: What was your experience in the hospital like?

KW: I had a great experience. The doctor who delivered my baby was the same doctor who I met for all of my pre-natal development. Both the delivery and recovery rooms were set up with home-like furnishings and the nurses were incredibly helpful. They assisted me with everything, from baby care tips, to paperwork, to scheduling a lactation consultant for me. They also gave me a lot of free stuff to take home! The only thing I could complain about was that the meal plan didn't offer many vegetarian choices.

JM: My hospital experience was nothing short of wonderful. The nurses I had were amazing and realized at 19 I really had no clue what to do and helped me as much as they could. They helped me recover from the C-section as fast as possible to help me go home sooner.

Exponent: Do you plan to see the film?

KW: I'm definitely going to see the film! I'm really interested in the whole aspect of babies and midwifery, and am curious to see how they're portrayed in comparison to hospital births.

JM: I would consider seeing it. I know lots of hospitals have gotten flack lately over mistakes that have been made with pregnant women, but midwives need to also realize that pregnancies may be too much for them to handle.

From WARMING on Pg.

That argument is bolstered by an analysis of satellite data from Remote Sensing Systems (RSS), a research company based in Santa Rosa, California, which shows more warming in the troposphere than the UAH data.

The study performed by Christy and Douglass shows that the reasoning behind that argument conclusion is faulty. Even though the data from RSS indicates more warming, it still does not match the model results.

Errors in the RSS data, stemming from a satellite that mysteriously heated up by 6 degrees Celsius, also cause a problem for the USCCSP report.

"We've shown those errors in several previous studies," Christy said.

According to Christy, Stratus clouds may be the reason the model results differ. Stratus clouds shrink in warm weather, which lets heat out of the troposphere.

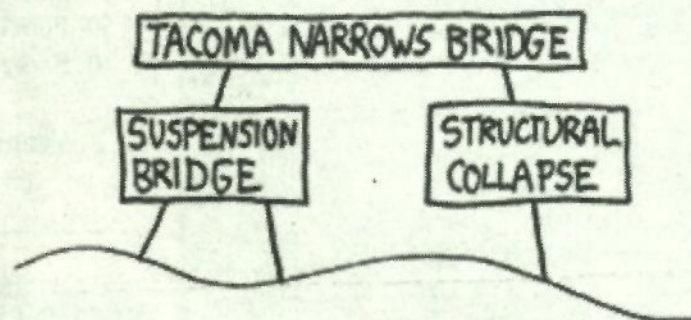
"Basically, Stratus clouds act like a thermostat," Christy said.

During President Williams' inauguration in April, Christy will be part of a discussion on global climate change with National Medal of Science winner Lonnie Thompson, a glaciologist from Ohio State University.

XKCD

Warning: this comic occasionally contains strong language (which may be unsuitable for children), unusual humor (which may be unsuitable for adults), and advanced mathematics (which may be unsuitable for liberal-arts majors).

THE PROBLEM WITH WIKIPEDIA:



[THREE HOURS OF FASCINATED CLICKING]

