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ERAU grad. implicated in midair collision

Spencer Conklin
Staff Reporter

Last Sunday a Boeing 737-800 collided with a Brazilian-made Embraer Legacy 600 which was flown by Jan Paladino, an Embry-Riddle 1995 graduate and former flight instructor. The high-altitude collision killed all 154 people onboard the 737 but the Legacy was able to make an emergency landing. None of the seven passengers onboard the Legacy were injured.

Gol airlines Flight 1607 was cruising southeast bound at 37,000 feet to Brazil's capital, Brasilia. The Legacy was proceed-

ing northwest at 36,000 feet. At some point the Legacy moved up to 37,000 feet and came into contact with the 737. The resulting collision caused the 737 to plummet to the earth at over 300 mph coming to an abrupt halt against the ground. With major system failures, the Legacy continued northbound for approximately twenty minutes before making an emergency landing at a military base.

The first two bodies from the 737 were found later that night. Hope quickly evaporated when looking for survivors from the 737. Rescuers were required to be flown into the jungle and then rappel down, using machetes to cut through the dense

foliage. Bodies were found mangled and burnt throughout the jungle strewn over 500 square meters. It is assumed that the aircraft exploded on impact but no civilian aviation authorities have yet confirmed this description.

Both flight recorders from the 737 have been recovered and are currently under analysis. The Legacy flight recorder has also been removed for analysis. Investigators hope the data will provide a description of what occurred onboard the 737.

"We know that the [Legacy's] transponder was turned off," Jose Carolis Pereira, the head of Brazil's airport authority, said. The transponder is a piece of equipment that informs air traffic controllers of the aircraft's position and altitude. This device also informs other aircraft, like the Gol 737, where the aircraft is. With it deactivated, the 737's automatic traffic alert systems would not have known the Legacy was on an intercept course and altitude.

Brazil's aviation authority speculated that the pilots of the Legacy may have wanted to show off the brand new aircraft. In order to do so without air traffic control knowing they would have needed to deactivate the transponder. However, authorities also admit it could have been a mechanical failure.

Both pilots of the Legacy had their passports revoked and are being detained in Brazil pending legal action. Prosecutors have said they may charge both of the pilots with manslaughter pending the results of the accident investigation. The captain of the Legacy had logged over 8,000 hours of flight time.

Jan Paladino, the Embry-Riddle graduate, was the co-pilot onboard the Legacy. He holds an airline transport pilot certificate and has more than 6,400 flight hours. He received his flight instructor certificate at Embry-Riddle in 1994. Paladino worked at Embry-Riddle as a flight instructor and is a



PHOTO COURTESY AGENCIA BRAZIL

THE MIDAIR COLLISION ripped the four foot winglet off the above aircraft and caused a Brazilian 737 to crash, killing all 154 on board.



ADAM WRIGHT/AVION

AN EMBRAER LEGACY JET, similar to the one involved in a midair collision Oct. 1. The co-pilot of the Legacy was ERAU graduate Jan Paladino.

member of Sigma Chi.

Joe Sharkey of the *New York Times* was invited along to see the brand new Legacy aircraft, and was onboard when the accident occurred. "It was more like a car that hits a pothole rather than a 'boom!'," he said, speaking to NBC.

Sharkey published a first-hand account of the flight on Oct. 3 in the *New York Times*.

The accident is the worst aircraft crash in Brazilian history. Bodies are still being

recovered and officials admit they may never find all the bodies scattered throughout the jungle. Family members have been allowed to the scene of the crash but have complained of arguments and problems with Brazilian officials.

The Avion is continuing to monitor this situation and will print updates as necessary.

Managing Editor Jonathan Mettin contributed to this article.

New academic building nears ground breaking

Brian Case

Editor-in-Chief

Ground breaking of Embry-Riddle's newest academic building is just days away. Although the building will primarily house the College of Business, every student will likely spend time in the new facility.

Construction crews have already been spotted surveying the location just north of the College of Aviation. The new building will be two stories, and mirror the footprint of the Advanced Flight Simulation Center. The building is projected to be completed next fall.

The academic building will provide much needed facilities for Embry-Riddle's growing College of Business. The building will locate all the business faculty and research efforts in one location, instead of the half-dozen buildings they now occupy; buildings Dean of the College of Business Dr. Daniel Petree called the "oldest and worst facilities available."

The first floor includes four classrooms, four open computer labs and a case room with four breakout rooms. Three of the classrooms will have 60 or more seats, according to University Construction and Planning. The case room will be used for collabora-

tive decision making, an important feature according to Dean Petree.

The computer labs will replace the C building lab and Lehman 171-172 labs. C building, which also holds the College of Business administration, will likely be torn down after the academic building is completed. LB 171 and 172 will be reclaimed by the College of Engineering. LB 132 will remain an open computer lab, according to IT Academic Systems Administrator Joseph Mondello. Mondello estimated that the four computer labs would offer over 160 workstations, and at least one lab would remain open 24 hours. IT's Academic Support offices will relocate as well, vacating their current location in the College of Aviation.

Five more classrooms will be built on the second floor, along with offices, conference rooms and the Dean's suite. Graduate students in the College of Business will have their own wing for research, with conference rooms, offices and a space for focus groups.

"The University is making a tangible commitment to the future of [the College of] Business," said Dean Petree, "That's much appreciated."

The first classes in the new building are anticipated in the spring 2008 semester. Downloadable floor plans are available at www.avionnewspaper.com/download.

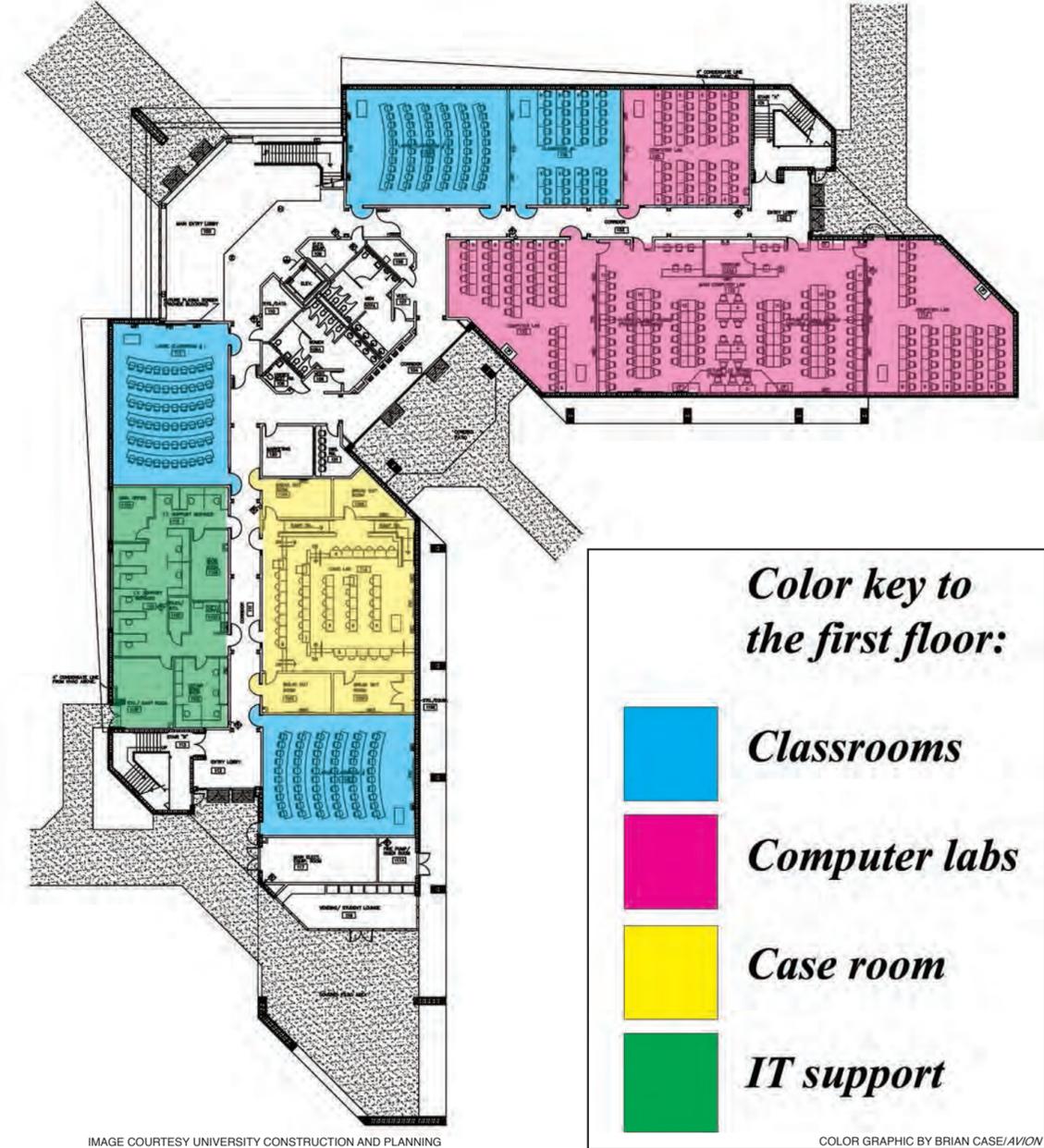


IMAGE COURTESY UNIVERSITY CONSTRUCTION AND PLANNING

COLOR GRAPHIC BY BRIAN CASE/AVION



PHOTO COURTESY UNIVERSITY CONSTRUCTION AND PLANNING

THE NEW ACADEMIC BUILDING is specially designed to meet the needs of the College of Business. In addition to the mix of offices and large classrooms, the building will hold four open computer labs, with over 160 student workstations.

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Men's soccer wins two, loses starting defender McIlhatton

Sports, A4



Evanescence and The Killers wow fans with second albums

Entertainment, B1





By students, for students.

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Dr. Tom Vickers, Professor of Humanities

Contact Information

Main Phone
(386) 226-6049

Advertising Manager's Desk
(386) 226-7697

Fax Number
(386) 226-6727

E-mail
avion.newsroom@gmail.com

Website
www.avionnewspaper.com

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Study abroad offers opportunities

Melanie Pugh
Business Manager

The annual study abroad interest meeting was held Tuesday, Oct. 3. Interested students turned out to pack the Spruance Hall conference room, with many left standing along the walls.

Assistant Provost Dr. Jim Cunningham welcomed students before giving a brief history of the program. Cunningham shared that the Study Abroad program originated with "one student going out, one coming in, and no summer programs." After having coordinated programs for the last 12 years, he was pleased to state that Embry-Riddle successfully managed eight programs last summer.

Santiago Giraldo, Assistant Director of International Programs for the last four years, was also on hand to speak about the importance of the international experience. Giraldo spent two years studying in Paris, France and wanted to give back by ensuring other students were afforded opportunities to gain these experiences. Emphasizing that the college years were the best years to study abroad, Giraldo pointed out that most students are unattached, and therefore mobile and flexible. He also reasoned that students have the time and availability during these years, in addition to still being eligible for financial aid as a traditional student. "Besides,"

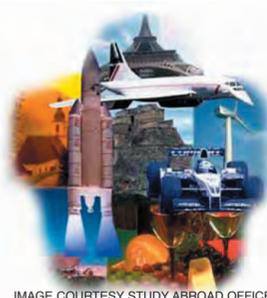


IMAGE COURTESY STUDY ABROAD OFFICE

Giraldo said, "would you rather sit in Alphabet Soup and take your class, or in Japan?"

Giraldo also discussed the ability of students to grow professionally, academically and personally. Stressing the importance of international exposure, Giraldo offered Boeing as an example; approximately 40 percent of the company is located abroad, and its largest manufacturing plant is located in China. He noted that employers look for a potential employee that has the ability to adapt, in addition to having a degree. Academically, one can grow as a result of differing academic perspectives and methods, while personally, students grow in the aspect, as Giraldo calls it, "a little thing called life."

The session progressed while Cunningham and Giraldo presented program locations for 2006-2007, many of which were available for the first time.

Famous pianist performs concert

Heather VanAntwerp
Student Life Editor

The Embry-Riddle Arts and Letters Series is a program directed by Dr. Linda Straubel of the Humanities Department and Dr. Chris Vuille of the Physical Sciences Department. The goal of the Arts and Letters Series is to host events that enhance the cultural lives of Embry-Riddle students. Hosting on average one event per month, Dr. Straubel and Dr. Vuille are found working hard at helping to provide students and the local community with these diverse artistic events.

The most recent event was hosted on Friday, Oct. 6 in the I.C. Auditorium. The world-renowned pianist, Marylene Dosse performed a concert featuring the piano works of one of the most famous composers in music history, Frederic Francois Chopin.

Chopin developed a new music style that was named for his Polish heritage, using the French word, polonaise. The polonaises composed by Chopin brought the music of his time to the next level. Compositions in the polonaise style are defined as a slow dance, kept in 3/4 time.

Dosse performed the piece of Chopin as brilliantly as expected. Performing the first two pieces completely from memory, it was easy to see why Dosse has been

internationally praised. Having released over twenty records, she has many impressive accomplishments, including winning first prize in the Paris Conservatory, as well as two international competitions in Salzburg and Naples.

On Friday, Dosse performed seven of Chopin's many compositions. Performing with such grace, she sways to keep tempo as her fingers swiftly glide over the keys of the piano. At times, it seemed as if her fingers were doing just that, gliding over the keys and never making contact. The only evidence of the hard work of her fingers was given away by the piano itself as it filled the room with the lovely sounds she created. At times, when the piano seemed to pour sounds that were louder and more pronounced than others, Dosse still maintained the graceful flow of her fingers as at any other point in the performance.

The auditorium was nearly filled with a crowd that purely enjoyed her performance. There were many members of the audience who came from the local community, as well as students, that were all able to enjoy the lovely sounds of Dosse.

For more information about the upcoming events provided by the Arts and Letters Series, visit their website at www.erau.edu/db/events/artsletters.html. Be sure to keep a lookout for other great programs for it is well worth it.



MELANIE PUGH/AVION

MARYLENE DOSSE THRILLS A crowded auditorium in the IC last Friday. Dosse is an internationally renowned pianist whose accomplishments include winning first prize in the Paris Conservatory and recently completing a successful televised tour of China.

Programs include both long-term and summer opportunities, as well as the possibility of internship and research programs abroad. As each location was announced, native music played in the background and Google Earth spanned the globe to zero in on the city, giving students an idea of where they might be heading in the upcoming year.

Long-term programs are available in Japan, Singapore, Hong Kong, New Zealand, Australia, Turkey, Italy, Ecuador, Mexico and various locations for GE3 engineering dual-degree programs. Multiple opportunities are also available in South Korea, Germany, Denmark, France and Spain. Most locations offer courses available in English.

The option of summer programs proves to be the most popular for Embry-Riddle students. Students will take the same courses offered by ERAU professors in a variety of locations, grades are recorded on a pass/fail basis, and, most importantly, courses are offered at half price tuition; summer programs

are estimated to total in at about \$7,500, including airfare, food, housing, and tuition. All non-language courses will be taught in English.

Summer A will find students in Argentina, Senegal, Italy, Spain and Mexico. Summer B will see students off to Russia, China, Japan, France, Denmark and Germany. There will also be a GEA program in France offered during portions of both summer semesters. All locations offer three-day weekends, giving students the opportunity for side trips.

The session closed with a frenzy of paperwork as students rushed to turn in applications and interest forms while reflecting on Giraldo's favorite quote, by John Hope Franklin, "We must go beyond textbooks, go out into the bypaths and untrodden depths of the wilderness and travel and explore and tell the world the glories of our journey."

More information can be found online at <http://erau.edu/omni/erstudyabroad/index.html> or by visiting the office in A-209A.

Speaker series debuts with Haise



IMAGE COURTESY NASA

ASTRONAUT FRED HAISE WILL was one of three astronauts aboard Apollo 13. He will be speaking at ERAU on October 16 in his presentation "Failure is Not an Option."

Press Release

Embry-Riddle

Daytona Beach, Fla., Oct. 4, 2006 -- This fall, Embry-Riddle Aeronautical University brings an Apollo 13 astronaut, an entrepreneur of the year, an oil policy expert, an epidemiologist and a psychiatry critic to the podium for its 2006-2007 Honors Program Distinguished Speaker Series.

On Monday, Oct. 16, Fred Haise will speak on "Failure Is Not an Option." Along with Jim Lovell and Jack Swigert, Haise was a member of the Apollo 13 crew that struggled for more than three days in 1970 to return to Earth after an oxygen tank explosion aboard the spacecraft aborted the mission as they approached the moon.

Haise graduated from the University of Oklahoma with a degree in Aerospace Engineering in 1959, he continued post-graduate studies at Edwards Air Force Base and went on to graduate from Harvard business school in 1972. His flight training was received from the U.S. Navy, which he completed in 1954, before serving as a fighter pilot for the U.S. Marines. Haise served on a total of three Apollo missions: eight, eleven and thirteen. He was the backup lunar module captain for 8 and 11 and was the captain for the Apollo 13 mission. Later in his career, he was scheduled to be a member of the crew for the Apollo 16 and 19 missions, although both were cancelled. He was the captain of the Space Shuttle Enterprise for one mission and was in line for another Space Shuttle mission until he retired. In 1995, Haise was inducted into the Aerospace Walk of Honor.

Haise will recount his experiences during the ill-fated, yet heroic Apollo 13 lunar mission and link these experiences to general life lessons.

On Monday, Nov. 13, Ping Fu will speak on "Technology for Aviation in the 21st Century." Fu is CEO of Geomagic Corp. and Inc. magazine's 2005 Entrepreneur of the Year. Her company's technology, called digital shape sampling and processing, enables designers and engineers to scan an object, capture the data from the scan, and then use it to create digital models. Virtual 3-D images can be inspected, redesigned, tested and used to make perfect replicas. NASA has used Geomagic's software to replicate damaged space shuttle tiles on Earth while the shuttle is still in orbit. It is also used to engineer precision aerospace and automotive parts and prosthetic joints.

On Tuesday, Jan. 16, Paul Roberts

will speak on "Depletion and Denial: Oil and the United States in the 21st Century." Despite growing evidence of the unsustainability of a petroleum-based economy, America's energy policy, industrial strategy and political culture remain committed to hydrocarbons. Roberts explores the complex interplay of technology, politics and economics in this area. Roberts is a writer for Harper's magazine, USA Today and Wall Street Journal, a guest on National Public Radio and the author of *The End of Oil*.

On Wednesday, Feb. 7, Mark Borchardt will speak on "Through the Water Glass: Looking at Our Nation's Drinking Water." Borchardt, an epidemiology researcher at the Marshfield Clinic Research Foundation, will talk about the nation's water quality and the role that ground water plays in spreading viruses and bacteria. Producing safe drinking water in the United States requires constant vigilance against the threats of emerging waterborne contaminants and impending water shortages. Technology has thus far kept step with minimizing these threats. Adopting a holistic view of the relations between the water cycle, ecosystem health, and human health will further safeguard against impending perils threatening safe drinking water for future generations.

On Wednesday, March 28, Elliott Valenstein will speak on "The Biochemical Theories of Mental Illness: What Should We Really Believe?" Valenstein is a professor emeritus of psychology and neuroscience at the University of Michigan and author of many books, including *Brain Control*, *Blaming the Brain* and *War of the Soups and Sparks*. Valenstein has long jostled the status quo by questioning assumptions of biochemical causes for mental illness, which have established and protected the bond between psychiatry and the prescribing of drugs to treat mental illness. Valenstein has examined the special interests behind purely biopsychiatric hypotheses that appeal to pharmaceutical companies.

The first lecture, by Fred Haise, will be at 7 p.m. in Embry-Riddle's ICI Center (the fieldhouse). All others are scheduled at 7 p.m. in the Gale Lerner Auditorium of the Willie Miller Instructional Center. The lectures are free and open to the public.

For more information about any of the events, contact Geoffrey Kain, Honors Program director, at (386) 226-6650 or geoffrey.kain@erau.edu.

World News Editor Eddie Drapkin contributed to this report.

Savannah's Bees take top-ranked Eagles for two



JONATHAN METTIN (LEFT), GREG FRECHETTE (RIGHT)/AVION

THE FIRST-PLACE EAGLES FELL to the Savannah College of Art and Design in volleyball and women's soccer. Volleyball's Jenn Meglic (left), who leads the team in kills, was held to a mere five kills and a .050 hitting percentage in the 1-3 loss to SCAD on Saturday, while soccer's Jessica Garcia (right), ERAU's all-time leading scorer, only managed an assist in Friday's 3-2 come-from-behind victory for SCAD. Both teams were tied for first in the Florida Sun Conference with their SCAD counterparts; now, volleyball is in a tie for second with Webber International and soccer is in third place behind Northwood. SCAD leads the FSC in both sports.

Eagles manage to contain Payne but can't capitalize

Jonathan Mettin
Managing Editor

The Eagles managed to limit SCAD's feared outside hitter Christina Payne to four kills, but

the remaining lineup of the Bees combined for 50 kills on their way to a 3-1 (30-20, 27-30, 30-14, 30-20) victory.

The Eagles were led offensively by middle blocker April Ebanks, who hit .385 with 12 kills, an ace and three blocks. She was supported by outside hitters Savannah Trakes (11 kills, eight digs, one ace) and Jenni Nelsen (eight kills, two aces). Team kill leader Jenn Meglic was held to .050 (five kills-four errors-20 attempts) and the team was held to .077.

On the defensive side, libero Rachel Ridder laid out for 21 digs

to lead all players, while setter Marissa Gonzales logged 11 digs in addition to her 32 assists.

The match was very defensive on both ends, with the two teams combining for 120 digs.

SCAD's senior middle blocker Frida Sigurdardottir led the Bees with 11 kills, a .318 percentage and 13 digs, outside hitter/defensive specialist Heather Friend right behind her with 11 kills and 11 digs. Emily Bumby logged 10 kills, while Sarah Eveleth registered 13 digs.

Embry-Riddle has not beaten SCAD since the 2003 season, and the Bees were the only team to sweep the Eagles last year on their way to their second-straight Florida Sun Conference (FSC)/NAIA Region XIV title.

Before the match, the Eagles and the Bees were locked in a tie for first place. The loss drops Embry-Riddle to 5-1 in the FSC (10-12 overall), which puts them in a tie for second place with the Warriors of Webber International (5-1 FSC, 9-2 overall).

The Bees, who were ranked No. 15 nationally going into the match, solidified their hold on first place in the conference, improving to 9-0 in the FSC and 15-6 overall.

The Eagles and Bees will have a rematch at the ICI Center on Nov. 4 — the last regular season game for both before the top four FSC teams come to the Embry-Riddle campus for the regional playoffs on Nov. 10 and 11.

The Eagles return to the court tonight for conference action against St. Thomas before two home games this weekend against Webber International and Warner Southern, both conference rivals.

If the Eagles win all three of those matches, it will give them an 8-1 conference record, which will clinch a playoff berth for them. SCAD has already clinched a spot in the top four.

Soccer suffers first loss of year with goal in 80th minute

Chris Tezak

Photography Editor

The Eagles dropped their first game of the season to Florida Sun conference leaders the Savannah College of Art and Design last Saturday at the Embry-Riddle stadium. SCAD is now 3-0 in the conference and is scoring an average of 3.5 goals per game.

Through the first half the Eagles looked to be in good form, especially with the large crowd on hand for the Commander's Cup giving support. Opportunities were coming early and often with senior Jessica Garcia nearly scoring three times in the first ten minutes. The pressure finally paid off in the 26th minute when Kirsten Phelps took a cross from midfield and sprinted down the wing. She lifted the ball over the defenders to the edge of the box to a waiting Garcia. Garcia then dropped it back to a charging Katrina Morgan who blasted past the SCAD goalkeeper.

Two minutes later SCAD almost found an equalizer when FSC leading scorer Kelly Quinn had her ball deflected away from the top corner by a lunging Stephanie Taylor. The save would be Taylor's only flourish of the game. As the half progressed the game slowed down and the play stayed in the mid-field. In the 42nd minute the Eagles were able to win a corner and they made good on the chance. Two freshmen hooked up for the goal as Chloe Cowart took the kick and it found the head of Lindsey Evans who put the ball away. At the half it appeared the Eagles had the

game solidly in hand, but the ending was not as pretty.

At half time the semesterly Commander's Cup ROTC competition was held. Air Force ROTC came out ahead as they continued their dominance of the Cup. Katrina Morgan, Cadet Wing Commander, helped raise the trophy at the end of the game. AFROTC took three points while Navy took two, and Army took one.

After the half the Eagles came out a bit sluggish. In the 60th minute SCAD was finally able to get on the board. Quinn took a run down the field and fought her way to the top of the box and got a clean shot off. The ball went streaking right under the crossbar and Taylor just could not get high enough to punch it away. Ten minutes later the Eagles almost responded when junior captain Stephanie Steele took a great volley from Garcia into the box but SCAD keeper Lisa Gallant came off her line to smother the opportunity.

In the 75th minute the game turned against the Eagles when a SCAD

cross was dropped by Taylor and the ball squirted out into the penalty box. Substitute Lissa Evans found the loose ball and easily scored with a wide-open goal. Five minutes later still with the momentum SCAD took the lead after Melissa Feuerriegel made her way to about 20 yards out and made a sharp curling kick that beat a struggling Taylor.

The Eagles were scrambling for the last ten minutes and Phelps had the best chance after coming back in the game. She took a pass that brought her within ten yards from the goal and had the SCAD keeper out of position, but she leaned back and lifted it over the goal. The game ended 3-2 with SCAD taking advantage of a lax Eagle second half. Coach Dan Blank was blunt after the game. "It was a lesson to learn," Blank said. "We got comfortable with a 2-0 lead and it came back to bite us."

The women will be back in action on Monday Oct. 16 at 7 p.m. against conference opponents Warner Southern.



ZACH MAHONEY/AVION

SAVANNAH TRAKES LOGGED 11 kills — tied for the second most of all players — but was held to a .045 hitting percentage in Saturday's loss. The Eagles were held to .077 as a team.



MATTHEW SMITH/AVION

FRESHMAN MIDFIELDER LINDSEY EVANS scored the Eagles' second goal of the game to put Embry-Riddle up 2-0. The Bees fought back, however, ultimately winning 3-2.

UPCOMING GAMES

VOLLEYBALL	WOMEN'S SOCCER
Today @ St. Thomas 7 pm	Wednesday @ Flagler 7 p.m.
Friday vs. Webber Int'l 8 p.m.	Sunday @ Thomas (Ga.) 4:30 p.m.
Saturday vs. Warner Southern 12 p.m.	10/16 vs. Warner Southern 5 p.m.

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Men's soccer returns to winning ways in FSC

Blake Hughes
Staff Reporter

Back on track are the Eagles, of late having won two Florida Sun Conference games this week. Tuesday evening saw the Eagles host the visiting Warner Southern University Royals. The men's soccer team needed this win to improve their conference record to the .500 level.

The first half of action saw more of the same soccer that had been displayed over the last three losses.

Possession was great, however, no one was looking to finish off a goal in the final third of the pitch. The Eagles threatened with 18 opportunities in the first 45 minutes but none of those chances could have been deemed dangerous. Even four free kicks, all from just outside the penalty area, were all squandered. A.J. Barrett of the Eagles was stunned at the end of the first half. "We're going to need something special in the second half."

That something special was freshman J.L. Wilson. A foul just outside of the area saw Jimmy Berry whip

in a nasty ball that bounced off of several players eventually finding Wilson on the right side of the goal. Cake from there as Wilson tucked in the first goal of his career as an Eagle. And with five minutes left the Eagles took a 1-0 lead that would last them into full time. This made the victory, which evened the Eagles' FSC record to 2-2, even sweeter. The only major loss from this match was Senior Liam McIlhatton, who twisted his knee, resulting in several popping noises. He is listed as out for the rest of the season.

This past Saturday night showcased the 6-3 Eagles against St. Thomas University. The Eagles were looking to perform better after the last result. "We grinded it out and got a deserved victory. I'm going to keep it positive. We'll look ahead to improve against St. Thomas," said head coach Dave Gregson after the 1-0 win last Tuesday.

St. Thomas struck first after a miscue by ERAU goalkeeper Ian Levine. Levine dropped a cross early in the first half. The Bobcats' Andres Amortegui was waiting for this and placed the ball in the back of the net to give St. Thomas a 1-0 lead. The 1-0 lead was to be cherished for the next 63 minutes by the Bobcats because that's when the Eagles finally got one to go home.

The second half saw the Eagles of three weeks ago, the team that earned that No.1 ranking. The Eagles dominated, shooting from everywhere and playing with a hint of passion. This eventually paid off as Ian Thompson tucked in a rebound past a diving Bobcats goalkeeper to give the Eagles the equalizer with 13 minutes remaining.

With momentum on their side, the Eagles took the lead just over a minute later. Thompson took off with the ball down the left side of the field, placing a cross on the foot of Berry. Berry took two touches and hammered one home

to give Embry-Riddle the go-ahead goal. After being bombarded with an aggressive attacking style of play in the second half, St. Thomas could not find the gas to answer the Eagles. With 26 seconds left on the clock September's Embry-Riddle Athlete of the Month, Joe Yoffe, found himself in a one-on-one situation with the Bobcat's keeper. He made easy work of the opportunity given to him by Peter Masters and tallied the insurance goal for the Eagles.

A 3-1 come-from-behind vic-

tory was just what the doctor ordered for the Eagles. After having grinded one out against Warner Southern, the Eagles did more of the same against St. Thomas. The squad showed emotion and determination, both of which were lacking during the Eagles recent slump. With the win, the Eagles improved their record to 7-3 overall, 3-2 in FSC action.

The Eagles travel to Northwood University on Tuesday and host highly touted Lindsey Wilson at 7 p.m. on Saturday, Oct. 14.



IAN THOMPSON HAD A goal and an assist in Saturday night's game against St. Thomas. The two victories bring the Eagles back above .500 in the Florida Sun Conference.

Ridder honored by NAIA

Jonathan Mettin
Managing Editor

The National Association of Intercollegiate Athletics (NAIA) has named Embry-Riddle Director of Athletics Steve Ridder as Athletic Director of the Year. Ridder was selected for the 2005-06 incarnation of the annual award from the 14 Region Athletic Directors of the Year.

Ridder, who also coaches the basketball team, downplays the individual recognition he has been getting. "There is no credit to be taken as one individual," he told *The Avion* last week, three days after the award was announced on Oct. 3. "There is no 'I' - there is only 'we' ... Students, community supporters, alumni, it's a group of so many people ... This is a family."

Ridder was quick to pass the praise around. "What this award really means is that we have been recognized as one of the very best programs in the country ... [I'm] very proud for all of us here in our athletic program."

Ridder came to Embry-Riddle as a basketball coach in 1989 before becoming Director of Athletics in 1993. During his tenure, numerous athletic building projects have been undertaken and completed, including the baseball field (which was remodeled last year into Sliwa Stadium) and the Ambassador E. William Crotty Tennis Complex. He also introduced women's sports to ERAU, beginning with volleyball in 1995, and has increased the number of sports from five (men's soccer, tennis, baseball, basketball and golf) to 13.

"While Steve possesses many outstanding qualities, it is primarily due to his superior leadership abilities that athletics at Embry-Riddle Aeronautical University has thrived," Savannah College of Art and Design Director of Athletics

Jud Damon told the ERAU Sports Information Department. "His positive energy is absolutely contagious. He exudes confidence and he inspires everyone around him. He seems naturally to have a great gift, simply being himself causes those he interacts with including those he leads, to strive to become better themselves."

Ridder is proud of several achievements that Athletics has made in his time. "In 1995," he said, "[we saw] the potential to have equal participa-



STEVE RIDDER, PICTURED HERE in February after winning his 400th game as the Embry-Riddle basketball coach, credits the entire athletic program for the award.

tion for our females to compete in intercollegiate sports." According to Ridder, 36 percent of all student athletes at Embry-Riddle are female - double the percentage of females in the school as a whole. He also pointed out the physical changes on the east side of Clyde Morris Blvd., comparing it to the "olden days" when the teams had to play at off-campus sites.

He also paid homage to the athletes and coaches themselves. Embry-Riddle has brought home the Florida Sun Conference's All-Sports Trophy for the past six years. "You're not going to win that award if you concentrate on one or two sports," Ridder said. He also praised the support staff, which he said "is as good as it gets."

Two of Ridder's children are student athletes at Embry-Riddle. Ryan, a junior, is a guard on the basketball team. Rachel, also a junior, is a libero on the volleyball team. Both transferred to ERAU after playing two years at other schools.

Looking to the future, Ridder still

has several things he wants to tackle. He is looking at increasing scholarship opportunities to help reduce student debt, and is looking at the possibility of adding new sports, mentioning women's basketball, softball, lacrosse, ice hockey, swimming and crew as potential future offerings. He cautioned, however, that before expanding to them, ERAU would have to take good care of the ones they had (and, in the case of track, just added), although he says that the University administration has been very kind to his department. And, of course, the issue of moving up to NCAA Division II from the current NAIA was brought up, but he would not commit to supporting either.

"We have to ask what is the best association to be part of," he said. "That's something we have to look at in the days, weeks and months ahead."

Despite his undeniable achievements during his tenure, Ridder insists that it's not his prize.

"These awards are always intriguing to me because there's only one name or position on it," he said. "It's a great tribute to everyone associated with our program." He leaned back in his chair, and his arms swept over the coaches' offices, the athletic fields and the players practicing downstairs. "It is their award."

"It's a great tribute to everyone associated with our program."

- STEVE RIDDER

Hockey beats Tulane 10-0

Brian Case
Editor-in-Chief



GREG FRECHETTE/AVION

The Eagles swept the Tulane Green Wave Saturday in Ice Hockey, cruising to a 10-0 victory at home. But the win could hardly be called a victory. Tulane started with only 10 players after a serious car accident sent as many as five of their players to the hospital.

To their credit, Tulane's remaining players put forth a spirited effort, but could not produce results. Compounding their short bench was their knack for penalties, giving the Eagles room to score on several power plays. At one point, Tulane had four players in the penalty box, three on the ice and two on the bench.

The Eagles showed marked

improvement over last week's disappointing performance against the University of South Florida. The Eagles, normally weak on passing, executed a number of remarkable plays, including one spectacular goal on an Eagles breakaway scored by Tom Leaky.

Room for improvement remains. The Eagles need to keep the puck in the zone, and build overall speed. Had Tulane posted a full roster, the Eagles would have faced a challenge.

The Eagles host the Florida State Seminoles next weekend in back to back games. Friday's game begins shortly after 10 p.m. with the second match scheduled for 4:30 p.m. Saturday.

Sports Editor's note: Sunday's game against Tulane ended too late to make this edition.

X-Country competes at FSU

Allison Smalling
ERAU Sports Info. Dept.

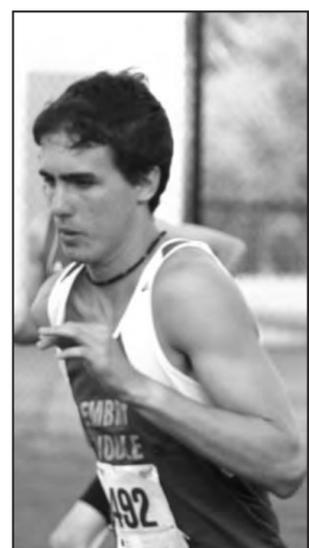
TALLAHASSEE, Fla. - Freshmen Nick Gehlsen and Alex Salinas recorded their best collegiate performances to date to lead the Embry-Riddle men's and women's cross country teams, respectively, at the Florida State Cross Country Invite on Saturday. Saturday's race was comprised of NCAA Division I and Division II schools and the Embry-Riddle men and women garnered second and sixth place, respectively.

Salinas, last week's Florida Sun Conference Runner of the Week, improved on the ERAU record she set last week by two seconds to finish ninth overall in 19:01.08. Mary

Gathua was the Eagles' No. 2 runner finishing 32nd in 20:07.24, while Laurel Cook ran her fastest race of the season crossing in 20:32.96 for 40th place overall. Lori Costello, running in her first 5K of the season, was the Eagles' No. 4 runner (56th, 21:16.39), and Jen Haydt set a personal record of 21:34.45 as the Embry-Riddle women placed sixth overall with 161 points behind host Florida State (17 points), Tampa (75 points) and North Florida (94 points).

The Embry-Riddle men had three runners finish in the top 20, including Gehlsen who shaved a second off his personal record from last week to finish 13th overall in 26:16.32. Erick Ngeny (15th, 26:28.32), Jarrett Woodbury (18th, 26:39.61), Stuart Patterson (25th, 27:21.05) and Jason Minor (31st, 27:33.74) rounded out the scoring for the Eagles who were second with 73 points behind Florida State (66 points).

The Eagles' next meet will be on Sept. 13 when they travel to Deland to compete in the Stetson Invitational.



NICK GEHLESEN TURNED IN a new personal record on Saturday with 26:16.32 to place 13th.

Hard hits at Richard Petty Field



JONATHAN METTIN/AVION



CHRIS TEZAK/AVION

LACROSSE AND RUGBY BOTH took on opponents at the Richard Petty Field this weekend. Iron Eagles Rugby took on Orlando on Saturday afternoon, while lacrosse played Ocala on Sunday afternoon, winning 13-6. Lacrosse plays UNF on Nov. 11.

Golf takes 2nd at Webber Invitational

Jamie Joss
ERAU Sports Info. Dept.

HAINES CITY, Fla. -- Seniors Rich Grove and Andy Castro carded even-par 72s to help the Embry-Riddle University men's golf team surge to a second-place finish at the Webber Invitational, posting a 601 team total, two strokes behind tournament champion Lee (Tenn.) at 599.

After holding a fourth-place spot in the first round with a 305 team total, the Eagles fired a 296 to defeat some of the strongest teams in the region including 2005 NAIA National Champion Johnson and Wales, which placed third at 606, NCAA Division II Tampa which was fourth at 608 and Savannah College of Art and Design rounded out the top five at 609. A total of 17 teams took part in the two-day event.

"[There was] Great team moxie today; their patience was excellent amidst a lack of birdies," ERAU head coach Maria Lopez said. "[It was a] Great start to the season for us to finish ahead of some great teams in our region and the country. What makes this even more encouraging is that we haven't reached our potential and I expect our scores to continue to go down as the season progresses."

ERAU's individuals were led by Grove, who had a two-day total of 147 (75-72), Castro finished with a 148 (76-72), Nathan Hellwege and Thomas Miller posted 155s (77-78) and Stephen Hellwege rounded out the Eagles' "A" team with a 162 (88-74).

ERAU's "B" team was paced by Richie Schroyer with a 158 (82-76), Joe Paolini carded a 164 (83-81), Josh Goolsby finished with a 173 (92-81) and Rodrigo Suarez rounded out the team with a 187 (96-91).

ΛΧΑ: Back on the scene

Christopher Gomes
Lambda Chi Alpha

Welcome to week three of the Lambda Chi monologues. First and foremost I would like to share some great news. We have taken in five new associate members. Congratulations to Parker Martin, Cortez Fabia, Tim Duggan, Ross Manesiotis and John Manly. These five guys are the newest addition to the greatest fraternity ever. To move on, Lambda Chi has a series of events happening soon sure to make an impression. On October 22 and 29 we will be doing our annual food drive to gather thousands of pounds of food to help underprivileged areas. This event is another great addition to our community service towards the area. Just in case you were wondering, the Pumpkin Patch last weekend went extremely well, unloading over 2000 pumpkins in under an hour and a half. Aside from community service, students and fraternities alike need to let loose, which is why this year's Halloween party will be the best EVER. With the help and aid of Sigma Pi, Pi Kappa Alpha, Sigma Alpha Epsilon, and Phi Delta Theta this party will be absolutely amazing. Let it be known as The Party From the Black Lagoon. I would like to thank all the fraternities working with us on this party and for those who are not helping, well, your loss. To conclude, the weeks ahead will be busy planning for the Halloween party and getting ready for homecoming weekend. Stay tuned and of course, GO GREEN.



PHOTO COURTESY LAMBDA CHI ALPHA

Sigma Chi beach clean up

Matthew W. Pillon
Sigma Chi

If you decided to wake up before the crack of noon last Saturday to head to the beach you certainly would have been impressed with the sight of over 25 Sigma Chi brothers and pledges working to help beautify Daytona Beach. Philanthropy is just one of the many great things that fraternities offer to the community.

We are always ready, and more than happy, to help the local residents in any way possible. A common stereotype of the Greek system is a swarm of loud, obnoxious, neanderthal "frat boys," whose ethics have been flushed down the toilet like last night's regurgitated beer. Sigma Chi is working towards extinguishing this stereotype reaching towards greater goals and helping a few people too.

The Sigma Chi football team is off to a great start as expected, coming out with wins in both games so far. Two weeks ago the team played the Delta Chi team which ended in a 34-7 victory with the winning touchdown delivered by self renowned Jim Lambertsen.

Last week, the team came through with another victory against the Pikes with the final score a shattering 39-0. The team



PHOTO COURTESY SIGMA CHI

SOME OF THE SIGMA CHI brothers pose for a picture. Last Saturday the brothers gave back to the local community by waking up early and performed a beach clean up.

plans on continuing their streak with their next match up this week.

October is here and that means only one thing, time to dress up like an idiot and party it up. Sigma Chi and Delta Chi are planning a

Halloween party which is sure to be one of the biggest gatherings of the semester. With the joint efforts of both fraternities the outcome will be impressive and a guaranteed good time. Keep a lookout for updates as the party nears.

Basic background of Go

Andrew Kreshock
Go Club

Go, otherwise known as "Weiqi" in Chinese, "Igo" in Japanese, or "Baduk" in Korean, is an ancient board game which is thought to have originated from China more than 4,000 years ago. Go emphasizes the importance of balance. The object of the game is to secure territories. To secure these territories on the board, it is easiest to make moves close together, but to obtain the largest area one needs to spread out, leaving weaknesses that can be exploited. However, playing to close nets to a small amount of territories, but in order to win, larger moves are required. However, larger moves allow an opponent to invade easily. Many people find Go attractive for its reflection of the contradictory demands of real life.

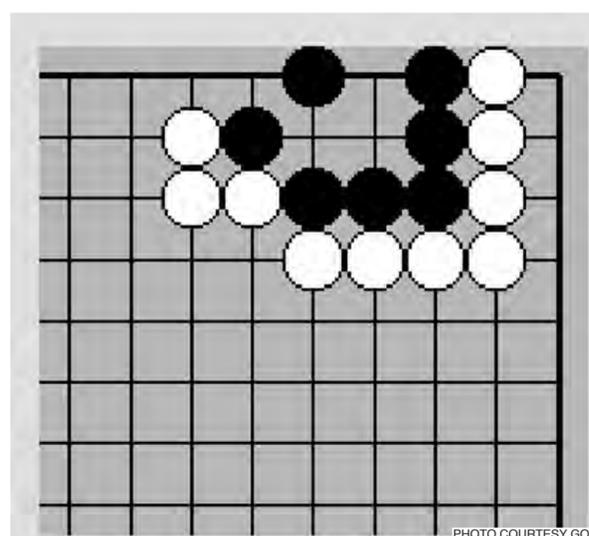


PHOTO COURTESY GO CLUB

Arnold Air honors POWs

Daniel Nead
Arnold Air Society

The Lieutenant General Kenneth L. Tallman Squadron of the Arnold Air Society and the Challenger Chapter of Silver Wings participated in the national Prisoner of War/Missing in Action day on Sept. 15 by holding a memorial run on the campus of Embry-Riddle Aeronautical University. More than thirty members from these campus clubs showed up in support. The main focus was to increase awareness on campus about soldiers who are prisoners of war or missing in action by running a POW/MIA flag around cam-

pus. The flag was constantly running from 10 a.m. until 4 p.m. for a total of thirty-five miles. Each club had members present to talk to people about prisoners of war. Members of the school's Pershing Rifles team were present to post and retrieve the American and state flags. The local Veterans of Foreign Wars post volunteered their time to play "Taps" every hour in honor of those still miss-

ing. Arnold Air Society and Silver Wings will be honoring prisoners of war and missing in action all year with various activities to honor and raise awareness. For more information about Arnold Air Society contact Matthew Schneider at matthew.schneider@erau.edu and for more information about Silver Wings contact Jake Turnquist at jake.turnquist@erau.edu.

“
... increase awareness on campus about soldiers ...
- DANIEL NEAD”

Student Safety Board SAFETY CONER

ADS-B vs. TIS-B -- Technical battle of Technology

It is a common misconception that all traffic-alerting systems are the same. As you are all aware, Embry-Riddle has recently acquired 16 new Cessnas equipped with the Garmin 1000 glass cockpit. Those of you who have flown the new aircraft might have noticed that there is no stand alone traffic alerting system. Rather the new system incorporates traffic information into the Multi-function display. It is important to note that, although they appear to function similarly, the systems are actually quite different. The new aircraft uses a system called TIS, acronym for Traffic Indication System. The "older" fleet of aircraft use a system most of us are familiar with -- the Automated Dependent Surveillance System Broadcast (ADS-B). It is

crucial to familiarize yourself with the usage of each system as their operation differs. Since the start of the fall semester in Daytona Beach and consequent increase in volume of air traffic, there has been an increase in reports of near mid-air. Research shows that the unfamiliarity with these new systems has been a major contributing factor to these incidents. This clearly shows that an understanding of the two systems is necessary for safe operations.

This table should increase your knowledge of each system and help you decipher the differences between the two. Regardless of technology, a good visual scan and frequent position reports should be used as your primary method of collision avoidance.

	ADS-B	TIS
FACTS	System Basis:	Satellite global positioning system and ground data link
	Range:	Up to 150 miles
	Update Rate:	Several times a second
	Displayed Targets:	ADS-B equipped aircraft and transponders in radar coverage
	Target Info:	Flight number, relative altitude, climb or descent and ground speed
PROS	Crew:	Real-time info, reliable, accurate, large effective range and works below radar coverage
	Operations:	Real-time tracking, recording capabilities and separate fleet for dispatch
CONS	Crew:	No aural warning
	Operations:	Limited to eight targets, restricted range, intermittent during maneuvers, only usable in radar coverage and no altitude filter
		No tracking or recording capabilities

If you have any questions, comment, feedback, or would like to contribute to the weekly "Safety Coner," send an email to studentsafety@gmail.com

This week's "Safety Coner" was compiled by: Alex Grootheart, Andrea Luethi, April Larsen, Ryan Hollenbeck, and Thomas Jensen.

New bike rules for the Student Village bridge

Shawn Storey
Residence Life Rep.

Greetings from your Embry-Riddle Resident Student Association and the SGA. I have previously spoken to all of you about my committee with the SRB, the Constitution Committee. I just want to take a quick second and report that last Wednesday, October 4, the General Session approved the changes to the Constitution with only minor alterations. You will still be seeing these in *The Avion* for the next couple of weeks; it is a Constitutional requirement that we do so before they finally take effect.

On a different note, I want to bring to everyone's attention a problem that has been increasingly dangerous this semester. It is currently a Department of

Housing and Residence Life rule that no student may ride a bike on the bridge over Richard Petty to the Student Village. This means both up and down the bridge. The reason for this rule is purely safety related.

It is in place to prevent people from being hit by bikes while walking on the bridge and to prevent bikers from causing themselves serious injury and damage to their bicycles. These incidents occur a couple of times a month and most of them result in serious bruises and lacerations to both parties.

Please, everyone, be aware of the rule and walk your bike up the bridge.

Secondly, when you get to the end of the bridge there is one more rule to be aware of. It is forbidden by the Safety Department and the Department of Housing to lock

your bikes to the south side of the bridge. That is the side of the bridge that is facing the ROTC Center and Clyde Morris. ERRSA is currently working with the Departments of Housing and Safety to institute a process to remove these bikes.

You will soon be seeing signs that tell you not to lock your bike on the incorrect side, and warnings on the individual bikes that are locked there. Safety will eventually be removing those bikes and confiscating them for violation of the rule.

So please do everyone a favor and do not ride your bike up or down the bridge, and don't lock it on the ROTC side when you do get it up to the Village.

If you have any questions about this issue, or other housing issues, feel free to contact me via e-mail at storea@erau.edu. Thanks!

Who is Pablo Alvarez?

Pablo Alvarez
Student Rep. Board

My name is Pablo Alvarez. I studied two years at the University of Puerto Rico majoring in foreign languages when I decided to pursue a career in aviation. 2003, my first year of college, was too close to the events of Sept. 11 and I was having my doubts about becoming an airline pilot. Discontented with what I was doing at Puerto Rico, I enrolled at Embry-Riddle. I am now studying Aeronautical Science and loving every minute of it.

During the spring of 2006, I applied at Student Activities for a job and worked with many of our clubs and organizations. Six months later, the student assistants were transferred to the information center, since a full time employee was hired for the Student Activities front desk. Working at the information center has allowed me to interact one-on-one with students. From hearing their complaints about the Riddle-runaround to answering where the "A/B building" is, it has all

been a learning experience. I have also had the opportunity to go to Oshkosh, Wis; representing the College of Aviation at the EAA Airventure. During my stay, I mainly talked about the benefits our university has to offer and answered questions of prospective students.

This fall, I was informed that there were some openings for the C.O.A. positions on the Student Representative Board. Interested in participating, I applied and was accepted.

Being part of the SRB has been a life changing experience. The ability to defend the rights of my fellow classmates and help in the growth of our University defies description. During my term, I hope to promote scholarships and create programs that help our students through this process. Many students are unaware of the volume of scholarships available to

them. Being a high cost education, I would like to help reduce this burden by helping the students receive these scholarships. My goal is for students to graduate confident that they received the best education possible from a university that assisted them in every way financially.

Additionally, I was appointed to the Flight Line Committee and Progress Committee. I look forward to working with flight line management to continue pressing forward. Progress

“
Being part of the SRB has been a life changing experience.
”
- PABLO ALVAREZ

is always something to be done anywhere, and I look forward to enhancing the already great services offered to the students.

I am extremely excited and am eager to get to work in ensuring that Embry-Riddle Aeronautical University continues being No. 1 in Aviation.

Are you taking the same classes you took during high school?

Harshad Lalan
Student Rep. Board

Many freshman students, mostly international students, take the same classes which they have already completed in high school. According to admissions, students cannot receive credits for courses completed in high school, unless they have given the A level examination, French Baccalaureate exams or such similar exams. Some students repeat up to five courses and spend thousands of dollars learning the same material.

The good news is that the students can take the course equivalency exam or a challenge exam to skip the course. These exams are administered by the respective department, like the Math department for Calc I, or Calc II. When a student passes an exam,

the student gets credit for that particular course. If the student fails the exam, he/she has to take the course. The bad news is that the university

“
When a student gets MET credits, he doesn't have to take the same course...
”

- HARSHAD LALAN

charges an examination fee for any exam offered after the first week of classes. Therefore, incoming students get less than a week to figure all this out, prepare for the exam(s), contact the department, take the exam and then based on the results register for classes. Imagine going through all this during orientation week when the student is already busy with the new environment.

If the student doesn't feel like taking the exam, there is a second option. The student needs to bring an official course description from high school or have it sent to the appropriate academic department. The department then compares the course description from high school to the Embry Riddle course description, and may give MET credits. When a student gets MET

credits, he doesn't have to take the same course, but has to take equal number of credits as an elective. There is a third option, to take the class again. The biggest problem

is that the students are not aware of these options, and some of them find out through word of mouth. SGA is working with Admissions, College of Arts and Science and International Student Services to provide this information to the students before they arrive on campus. Then students can bring all the documents with them, and be ready to take the exam. The SGA is also working with orientation services to include this information in orientation and guide the students to the proper department for their exams. SGA has been talking with Dr. Cunningham to reduce the examination fee to a reasonable value. The math department is working to administer the Math Equivalency Exam online, so the students can take it before they come to campus and be pre-placed in the proper math course.

Task Force One off to a great start

Angeline Ranieri
TFO Vice-President

Task Force One (TFO) had its first meeting with its newly elected executive board on October 2. More than 30 students attended last week's meeting eager to share their great ideas. A huge thank you goes to SGA President Nate Clapper, as well as the past TFO Executive Board who also attended the meeting. TFO President Bryan Dietz shared his goal for this year of making a difference in the Embry-Riddle community. "We are the largest freshman class that Embry-Riddle has ever had, TFO is a way for first year students to get involved and voice their opinions and concerns," said Dietz.

Among the many topics discussed at this meeting, ideas for

a fall semester campus event was top priority. Students brainstormed and came up with great themes and activities that will be voted on at a later meeting. Community service projects were also mentioned, and will be a definite on this year's TFO agenda. Committees will be developed to ensure that all projects are completed in a timely fashion and everyone has an equal opportunity to get involved with something that they enjoy.

If any first year student is interested in TFO or would just like more information, please visit our website on Facebook or contact Bryan Dietz directly at Bryan.Dietz@erau.edu.

Meetings are held every Monday at 8:30 p.m. in the Endeavour Conference Room located on the second floor of the U.C. First year students are always welcome.



Public Notice: Approved Changes to SGA Constitution

1. Change Article IV, Section 1 ("The President"), Letter g
 - a. From: Chair a monthly meeting of the SGA branches and divisions twice during the Fall and Spring semesters and once during the Summer.
 - b. To: Chair a meeting of the SGA Branches and Divisions twice during the Fall and Spring semesters and once during the Summer semesters.
2. Change Article IV, Section 1 ("The President"), Letter n
 - a. From: Maintain active representation as a member of the Independent Colleges and Universities of Florida (ICUF).
 - b. To: Maintain active representation as a member of the Independent Colleges and Universities of Florida (ICUF) Student Alliance.
3. Change Article IV, Section 2 ("The Vice-President"), Letter d
 - a. From: Attend and report on the SRB at the monthly SGA meetings.
 - b. To: Attend and report on the SRB at all Executive Board meetings.
4. Add to Article IV, Section 2 ("The Vice-President")
 - a. Letter 'g': Create an agenda for all SRB meetings.
 - b. Letter 'h': Verify compliance with all SRB Bylaws.
5. Change Article IV, Section 3 ("The Treasurer"), Letter d
 - a. From: Attend and report on the SFB at the monthly SGA meetings.
 - b. To: Attend and report on the SFB at all Executive Board meetings.
6. Add to Article IV, Section 3 ("The Treasurer")
 - a. Letter 'f': Create an agenda for all SFB meetings.
 - b. Letter 'g': Verify compliance with all SFB Bylaws.
7. Change Article IV, Section 4 ("The Chief Justice"), Letter 3
 - a. From: Attend and report on the Student Court at the monthly SGA meetings.
 - b. To: Attend and report on the Student Court at all Executive Board meetings.
8. Add to Article IV, Section 8 ("Student Court")
 - a. Letter 'e': Any interpretation issued by the Student Court will remain in effect for one year from the date of interpretation and will be documented and kept by the Student Court.
9. Change Article V, Section 2 ("Absences and Removal"), Letter a, Number 2
 - a. From: Tardiness of more than fifteen minutes to a regular meeting shall result in 1/3 of an absence. The missing of a special or emergency meeting shall result in 1/3 of an absence.
 - b. To: Tardiness of more than ten (10) minutes to a regular meeting shall result in 1/3 of an unexcused absence. Tardiness of more than thirty (30) minutes shall result in an unexcused absence.
 - c. Add 'Number 3': The missing of a special or emergency meeting shall result in 1/3 of an unexcused absence.
 - d. Add 'Number 4': Absences not excused by the chair of that particular board or committee may be appealed to the Student Court within five (5) business days.
10. Change Article V, Section 3 ("Impeachment"), Letter c
 - a. From: In the event a member of the Student Court comes under impeachment charges the SRB shall conduct the hearing following the above outlined procedure.

- b. To: In the event a member of the Student Court comes under impeachment charges, the SRB and the SFB shall conduct hearings and hold an impeachment vote following the above outlined procedure.
11. Change Article VI, Section 5, Letter c
 - a. From: The Executive Officers must be present during both summer terms to serve their respective office hours.
 - b. To: Regarding Executive Branch Member summer obligations.
 - c. Add 'Number 1': The SGA President must serve office hours for the entire academic year, including all summer semesters. The President may not participate in summer abroad activities, internships, or Co-ops, except where provided by section 3 or 5 of this paragraph.
 - d. Add 'Number 2': All other Executive Branch Members may participate in summer internships, or Co-ops provided they are based in the continental 48 states.
 - e. Add 'Number 3': All Executive Branch members may participate in documented military obligations.
 - f. Add 'Number 4': No more than two Executive Branch Members may be excused at any given time under this section provided there are no extenuating circumstances.
 - g. Add 'Number 5': Any Executive Branch member with extenuating circumstances may be excused for up to two weeks with approval by the SGA Advisor and the Chief Justice.
 - h. Add 'Number 6': All Executive Branch members are subject to these procedures when absent due to summer obligations. Failure to maintain these standards will result in the forfeiture of the executive position.
 - i. Add 'Number 6, Letter i': All internships and Co-ops must be approved by the SGA Advisor.
 - j. Add 'Number 6, Letter ii': An individual from the respective board must be appointed by the outgoing Executive Board member to act on their behalf.
 - k. Add 'Number 6, Letter ii, Letter A': This person will gain all rights and responsibilities of the position during the absence of the Executive Branch member.
 - l. Add 'Number 6, Letter ii, Letter B': The appointed interim is subject to practices defined under Article V, and upon removal from office, will revert to their previous position. A new interim must then be appointed.
 - m. Add 'Number 6, Letter iii': Weekly contact between the Executive Branch member and their interim must be established and maintained.
12. Change Article VIII, Section 2 ("Process"), Letter c
 - a. From: The prospective changes will be advertised to the students for a period of two (2) weeks.
 - b. To: The approved changes will be advertised to the students for a period of one (1) week.
 - c. Add 'Letter c, Number 3': Instructions to students detailing Article VIII, Section 2, Part d of the SGA Constitution shall also be included in the advertisement.
13. Change Article IX, Section 2 ("Endorsements of the SGA Constitution")
 - a. From: This Constitution has been last amended and ratified by majority vote effective November 8, 2005.
 - b. To: This SGA Constitution has been last amended and ratified effective 4 October 2006.
14. Add to Cover Page
 - a. To: This SGA Constitution has been last amended and ratified effective 4 October 2006.

The amendment shall be adopted if, within two weeks of the vote, no petition for veto has been filed with the Chief Justice. The petition for veto must contain the signatures of Embry-Riddle Aeronautical University students equal to twenty-five percent of the turn-out in the last general election. Copies of the SGA Constitution can be found in the SGA office or on the SGA web site.

Being in the closet is a challenge

My first memories of being attracted to men go all the way back to my childhood. I remember liking this guy in grade school. I don't think I liked him in the sense of the word that we may think of now. It was a more of an attraction that I couldn't describe. His name was Chris, and we were friends. I don't think he looked at me the way I looked at him. I was in fourth grade at the time and it wasn't anything bad or wrong. It was just different. In fifth grade, I switched schools, and it was no big deal because at that age, we really don't focus on real friends yet.

I went to a private school for the rest of my middle and high school career (grades five through twelve). I think I had a pretty normal life for the most part. I went to classes, I did my homework, I had friends. On the outside, it appeared that I was a happy kid doing what most teenagers did at that point in their lives. There weren't any girls in my life at that time, but I had an excuse: I went to an all boys school. No one was really dating at the time so it was okay to not have the pressure of a girl in my life. However, throughout my middle school years, there

were other crushes: Chad, Michael, and Rob. I was friends with these guys and they would never have suspected that I liked them a little more than that. Could I ever tell them? Hell no! That would have been a huge mistake at that age, in that setting, at that school. I was class president and one of the more

“
... do something positive ... If you have a friend who is gay, support them.
- NAME WITHHELD ”

I think I used to play it off like it was a phase of sorts. I mean, I liked these guys, but nothing was ever going to come of it. I would never tell anyone. I thought eventually it would just go away, and no one would need to know, not my friends, not my family, no one. The risks were too great. Besides, maybe I just needed to meet some girls; then I could be normal and fit in like everyone else.

high school, my school turned co-ed. Girls were admitted to our school for the first time. (My school dates back to 1814 so this was a pretty big deal at the time.) I was excited that things may change. I mean, now I was going to have girlfriends in my life and I would certainly start dating. Some of the new characters in my life included Erica, Christy, and Renee. This is where it gets tricky. I instantly became friends with all of these girls, but nothing ever developed. I was best friends with every girl in my school, but never was I able to pursue anything with any of them. I went to school dances and did the “group thing” with all of our friends, but I was never able to comfortably or successfully ask out a girl on a real date with the intention of dating or hooking up. I was still distracted by the guys at my school. Mike and Rob were more fun than Renee and Erica.

And so my identity search continued. I couldn't be gay. That's just not me. I'm supposed to end up with a girl, eventually get married and have kids. That's what everyone said. Isn't that how the story is supposed to go? Again, I couldn't reveal my thoughts or feelings to anyone during this time. Too dangerous. Too much at stake. It will go away. It's just some stupid phase. Once I got to college, I was sure it would definitely be different. Clean slate. New start. No worries. I graduated from high school as the Senior Class President, the Student Body President and the valedictorian. Pretty good stats on my resume wouldn't you say?

If you have read this far, I thank you for taking the time to read this short account of my coming out experience. Opening your mind to read something different like this is the first step in being an ally and a supporter to those who may need your love and friendship. Tomorrow, Wednesday, Oct. 11, is National Coming Out Day. Think about how you could do something positive on this day. If you have a friend who is gay, support them.
-Name Withheld

Stand Up!

The Foley circus and a letter home

Before I start, I would like to reminisce of my childhood a little. For anyone who can remember “Sesame Street,” especially those who loved the part about the crayon factory, the video is up on YouTube, so go ahead and make yourself smile for a few minutes.

Now, sadly, I must revert back to the now and talk about an extravaganza only P.T. Barnum could love. In the past few weeks since the whole Foley scandal has been brought upon the political mindset of this country, just about every feasible angle has been used by someone to get some kind of advantage. Each party is blaming everyone and everything, even going as far as to blame the Florida

other party would want this kind of information about a member in the public. If Foley really was a Democrat they would do the same thing the Republicans did and Hastert would be calling for Feinstein or Pelosi's resignation.

In reality the whole thing is just another mark on journalism in this country and how completely off-base it has gotten. If the release of the story had any political agenda, it is a scarlet letter on any paper that had the information and did nothing with it. Hopefully, this will blow over so we can get back to important stuff like passing all of the budgets that did not get done before the recess. But, that is wishful thinking.



Chris Tezak

Columnist

“
Hopefully this will blow over so we can get back to important stuff ...
- CHRIS TEZAK ”

voters who elected Foley in the first place. That is going kind of far isn't it? The Democrats are doing no better and are trying to use the scandal to as leverage for every single election across the country, even going so far as calling for Speaker of the House Dennis Hastert's resignation over the matter. That angle is pushing it, too.

At this point, no one knows what is really going on. So many reports on so many things have been published that there is no story anymore. I mean, honestly, you have Fox News among others claiming Foley was a Democrat, which is a bald-faced lie, and you have the *St. Petersburg Times* and other large news organizations that had knowledge about Foley's dealings for some time and did not do a thing. The Republicans are saying the time of release of the story was politically motivated, though I would rather not have a child molester not re-elected than see him get thrown out of office fresh into a new term. The Democrats are claiming it is a giant cover up, which is obvious since nei-

On the other end of the spectrum, *Time Magazine* has published a moving letter from a Marine officer stationed in Fallujah, Iraq. You can find it on their website and I encourage all to read it. The name and rank were withheld at the author's request and the letter basically paints a picture of life in Iraq. It is another reminder that each and every day, we have American citizens over there doing their jobs because of how they feel about this country. It is a shame we can not show them the same love by bringing them home and away from the carnage and bloodshed.

I know some people who read this column may think I hate this country, but I do not. I appreciate the work of all the soldiers fighting each and every day; I just wish they did not have to. I wish they could come home, and we could stop the fighting that did not need to be started in the first place. So the next time you see a veteran or active soldier, thank them for the work they did, and do everything you can bring our people home.

Only you can prevent school violence

The recent spat of school shootings and attempts has gotten me thinking about home and my old schools, and I imagine many of you are thinking about it some, too. I don't know what to do for those people and schools which have withstood such a tragedy, although I know that at least one of them, the Amish school in Pennsylvania, are beginning to humbly accept donations in memory of those lost.

Money, though, can't fix the things that have happened, and there isn't even necessarily a guarantee that it will prevent future incidents from happening. When I think of the people I know, friends and family still in schools back home, I find myself thinking more and more that restitution and legal solutions aren't enough for me. No price can ever be assigned to someone's life, or to a community's peace of mind, and no death sentence has ever brought someone back from life.

If we can't resolve the situation after it happens, we have to do something beforehand to keep things from happening that can't be fixed later. And even here, I won't talk about money or laws that need to happen; I won't talk about fines, I won't talk about gun laws, I won't talk about anything that can't happen right now.

I ask you, the students of Embry-Riddle, to perform a service to your communities. I don't mean the community here at our school, although we can make a difference in Daytona Beach; we

have more than enough examples of the school contributing to the community. I'm talking about understanding our roles in the places we left to come here, be they in Florida, Washington, Minnesota, New York, Texas, Puerto Rico, Germany, Italy, Japan, Korea, India, China, Russia, Israel, or anywhere else across the globe, and then understanding what we can do with the simple fact that we are students of an internationally-renowned university.

I went home over the summer and talked to new freshmen at my high school during a presentation I delivered. The fact that it was about using my engineering training to determine how big a volcanic explosion was is irrelevant; I just wanted to show these young men and women that there was more to life than high school and college, and that futures rarely turned out to be how we envisioned them before. I'll have to wait at least four years to find out if any of the students I talked to went to college to be engineers, but I feel like I gave them something more important: an example of what their school could produce.

By showing them how I survived high school (and I just barely did, literally, but I did) and where I am now, I gave them a view of what they could be doing in the not-so-distant future. This makes them less likely to give up, to break down to a point where violence seemed like a reasonable answer. I spoke to about 75 stu-

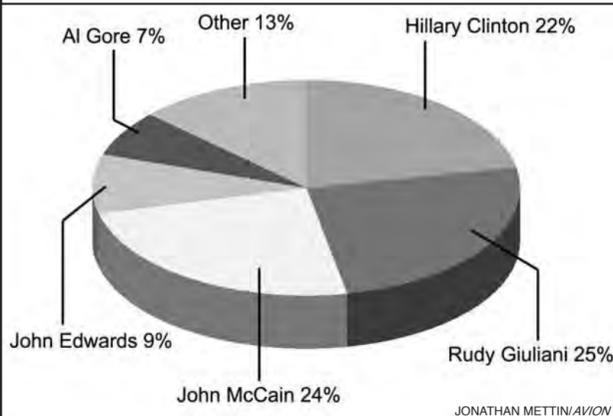
dents out of the roughly 800 who will graduate Chantilly High School in 2009 and of the 2,878 that currently attend. This is not a big number, and my contribution could be considered minute. However, I won't let people call it trivial, even though the lesson might have been. I feel like I helped people, and a school, and a community.

What would happen if one tenth of the students here went home and talked to people at their old schools? It doesn't even have to be something big. Just by being there, showing all those people enthralled in the high school drama we all know so well that there's something more after you've been dumped or bombed a test, is more than you might know. Suppose one tenth of the undergrad population at Daytona Beach went and talked to two classes of people at their old high schools and showed them that there's more to life than what they've known so far? More than 400 high schools around the world would be affected, and more than 20,000 kids, like the ones who shoot their principals or murder their teachers, might see a different way out of the big black hole that our teenage years sometimes seem like.

You don't have to. I can't make you, and I wouldn't if I could. But remember that people have heard of Embry-Riddle, that they tend to listen to its students and graduates, and that it doesn't only apply to the corporate world.
-Bob Scheid

Online Poll Results

The Avion asks: “Which 2008 Presidential hopeful would you vote for today?”



JONATHAN METTINI/AVION

Pool closed for nonexistent construction

More talking would solve several issues

For the past five weeks, Embry-Riddle's pool has been closed, and I'm starting to wonder why.

The University is going to tear down the building adjacent to the pool to make way for a new fitness center, opening next year. But “going to” is the operative phrase; the building is behind schedule.

In fact, there has been little more than some moving of dirt since the pool was closed after Labor Day for the demolition and construction to take place. It now seems like the University jumped the gun, depriving students and organizations of this much used fixture.

This problem could have been easily solved by more communication.
-Brian Case

University Construction and Planning is in charge of the building demolition, and Recreational Sports manages the pool. I would guess that Recreational Sports is just as surprised as me to see the building still not started.

We've seen this problem before. This year, Admissions admitted more students than there were beds on campus. First year students, who are required to live on campus, were dispersed into O'Connor Hall, Chanute and area apartments. We may be an aeronautical university, but there's no need to resort to airline-style booking policies. Let's hope someone in Housing and someone in Admissions trade phone numbers.

Departments need to step up direct communication with students as well. Most of the student complaints I receive can be addressed with a little bit of education on the matter. This University needs to address these problems or risk disenfranchising the students (and future alumni) it serves.
-Brian Case



JONATHAN METTINI/AVION

THE POOL HAS BEEN closed since Labor Day weekend for the construction of the new fitness center, but little actual demolition or construction has taken place.

Student Forum

The Avion asks: “What is your greatest fear in this college?”

-Compiled by Adewumi Adeduyin



Cristian Rodriguez
Freshman
Aerospace Engineering

“The fact that I might not be able to pay for this college.”



Peter James Carros
Freshman
Aerospace Engineering

“Girls might stop coming to this school.”



Matthew Izzo
Junior
Aeronautical Science

“Prostitutes flooding the campus.”



Christopher Rood
Freshman
Aeronautical Science

“Being put on the aviation wall of shame.”



Rosalyn Aguilar
Junior
Aerospace Engineering

“Not having Safe Ride.”



Liam McIlhatton
Senior
Communications

“Getting hurt in my senior year.”

Amish bury shooting victims in closed ceremony

J. Partlow and R. McCaffrey
The Washington Post

The train of wagons passed through town three times on the same grim errand. And still they were not done burying the girls.

The funeral processions for four of the five Amish girls murdered in their schoolhouse left their homes in Bart Township on Thursday and moved down the same narrow streets to the small fenced-in graveyard on the little rise amid the fields.

The black-clad men and women, girls and boys, in the wagons did not stop and barely turned to look as they rolled past the flag at half-staff outside the post office and the crude sign taped to the sawhorse in a driveway: "Our thoughts and prayers to all the families."

The wagons, following the hand-carved wooden coffins, kept going past the home of the man who caused the bloodshed—Charles Carl Roberts IV, or "Charlie" to his friends—who bound 10 girls and shot them with bullets and buckshot before shooting himself. Five have died.

Few people but reporters and camera crews turned out to witness the somber parades. The morning broke cold, and a brisk wind ruffled the corn stalks and blew leaves off the trees. But town resident Jacquie Hess felt she had to watch.

"It's hard to accept what has happened," she said, standing outside the homes of Roberts and other relatives. "I feel sympathy for them. I feel sorry for them that it happened this way, that they lost children, also."

Hess is the aunt of Roberts' wife, Marie, and she is one thread in the close-weave between killer and victims. Her family, including Charles Roberts, drove the trucks that carried the milk from the dairy farm of the Fisher family, who had three daughters at the schoolhouse the day Roberts shot it up. One of the daughters escaped, another was injured, and the third—13-year-old Marian—was killed. She was buried Thursday.

In the classroom on Monday, Marian was among those students who asked that Roberts kill her first and spare the younger girls, according to Rita Rhoads, a Mennonite

nurse and midwife who delivered two of the girls buried Thursday. She cited an account from one of the survivors.

Marian's sister Barbie Fisher, 12, who had been hospitalized, told relatives she recognized Roberts as the milk truck driver when he entered the school. According to Rhoads, she said Roberts talked to the students about himself and his anger at God—an anger police said was partly fueled by the loss of his firstborn infant daughter nine years ago.

"He asked them to pray for him," said Rhoads, who has emerged as a leading spokeswoman for the Amish community.

Barbie said that the girls asked Roberts, 32, why he could not pray himself, according to Rhoads, but instead of praying, Roberts tied up the girls, who never screamed despite knowing their fate.

"They just stood there with courage," Rhoads said.

Police said that Roberts might have been planning to sexually assault the girls but that there is no evidence he did so.

The day after the shooting, Jacquie

Hess, the aunt, visited Marian Fisher's father to offer her condolences.

"They were very caring and felt that we had a harder part to go through than what they did. And they had told us that there was no hard feelings, that all was forgiven. That we just keep pushing forward and asking God to help us get through it," Hess said.

Marie Roberts was invited to Marian Fisher's funeral, Hess said, but Hess didn't know if Roberts planned to attend. In addition to Marian's service, funerals were held Thursday for Naomi Rose Ebersol, 7, and sisters Mary Liz Miller, 8, and Lina Miller, 7. The funeral for the fifth slain girl, Anna Mae Stoltzfus, 12, was planned for Friday. Hess said there are no set plans for Roberts' funeral.

One additional child, who was not identified, had been taken off a ventilator, according to Rhoads, the midwife.

"The family was interested in taking the child home," she said. "It appeared to doctors as if she would die."

Most of the funeral ritual, from the

services inside the homes to the burials, was blocked from public view by Pennsylvania State Police troopers intent on preserving the families' privacy.

A typical Amish funeral is set in the family home or barn and will include long sermons in German, along with German hymns from the 16th and 17th centuries that sound much like Gregorian chants, said Ervin Stutzman, vice president of Eastern Mennonite University in Virginia and dean of the seminary. He was raised Amish.

"There is a strong emphasis on what God's will is, that people are in a better place now. That God's will has allowed this kind of thing," Stutzman said.

There is typically a short service at the gravesite, and mourners often participate in throwing dirt onto the coffin, he said.

"Even for just processing the trauma of something like that, it's very, very powerful," said Earl Zimmerman, a religion professor at Eastern Mennonite University who has attended Amish funerals. "It brings the community together."

The Amish deceased are usually buried in white, after the admonition in the New Testament's Book of Revelations: "He that conquers shall be clad thus in white garments." By custom, the grave is dug by hand by Amish friends and relatives.

As the first procession of 34 buggies passed down Georgetown Road on Thursday, a female neighbor who declined to give her name began to cry.

"You learn a lot from (the Amish), how they deal with things," she said. "It's just amazing. It's not just words."

Randy Fischer, 52, who flew in from Minnesota to be with the Roberts family, said he had difficulty reconciling the man he had known with what he had done.

"I remember Charlie as a good man, a kind man, a man that loved his wife and family," Fischer said. "We may never know what truly caused him to snap."

As the wagons rolled by, Mike Young, 44, took off his green baseball cap and watched the procession. "It's just a real sad situation all around," he said. "This is our own little 9/11."

Scientists use UAVs for a better understanding of hurricanes

Peter Whoriskey

The Washington Post

Drones are better known for their role in pursuing military targets, but scientists here are poised to launch them into the raging vortexes of hurricanes. The small, unmanned aircraft will explore the storms at low levels that are too dangerous for "hurricane hunter" aircraft to probe. Meteorologists hope the information gathered will provide new details about wind speeds at the Earth's surface and how a hurricane feeds itself on the warmth of the ocean.

"It's impossible for manned flights to fly at the levels we'd like because of the safety risks," said Joseph Cione, the National Oceanic and Atmospheric Administration's lead scientist on the pilot project. "This is the portion of the hurricane that we really don't know that much about."

The drones, known as Aerosondes, have a wingspan of 10 feet and can

be launched from an automobile with the aid of a rooftop launcher. The car, with a launcher strapped to the roof, reaches about 60 mph, at which point the aircraft is released by a latch.

The planes are remarkably light, but also remarkably sturdy. An Aerosonde flew into Tropical Storm Ophelia last year, recording temperature, humidity and wind speeds. Now the aim is for similar measurements from hurricanes. Five Aerosondes are waiting here for a hurricane to form. The \$300,000 for the project comes from NOAA and NASA. "If we lose the aircraft, that is part of the process," said Peter Bale, an Aerosonde representative.

Despite all the satellite and radar imagery available to scientists, what happens in the portion of the hurricane nearest the ocean is relatively undocumented. The piloted hurricane hunter airplanes typically fly into hurricanes at 10,000 feet up, sometimes dropping to as low as 5,000 feet. The risks rise as the planes descend.

The Aerosonde, by contrast, is expected to be able to drop to 500 feet or less over the ocean. The data collected are expected to provide immediate help for meteorologists trying to estimate a hurricane's wind speeds at the Earth's surface.

In the longer term, the information also might help scientists better understand the air-sea connection in hurricanes and make more accurate predictions of their intensity, one of the most urgent challenges facing meteorologists today.

While scientists have dramatically improved their understanding of the movement of hurricanes—their storm-track forecasts have improved substantially—predictions about intensity have lagged. This season, Tropical Storm Ernesto was forecast to become a hurricane in Florida. Airports closed. Students in South Florida had two days off. But Ernesto's predicted fury never materialized.

The predictions have underestimated storms, too. In 2004, Hurricane

Charley startled scientists when it blossomed from Category 2 to Category 4 in a very short time. "Why did that happen? Scientifically, we really don't know," Cione said.

While scientists know that hurricanes derive their power from the warmth of the ocean, what's far less clear are the conditions at the point where the hurricane touches the ocean, which is where the energy transfer takes place.

For example, scientists had long assumed that the difference between air temperatures and ocean temperatures were small—less than 1 degree Celsius. But recent research by Cione and others showed that the temperature difference has been two or three times that.

The significance of the temperature difference is "huge," Cione said, because the amount of energy flowing from the water into the hurricane partly depends on it. The drones, he hopes, will render more clues about this portion of the hurricane.



PETER WHORISKEY/THE WASHINGTON POST

AN AEROSONDE IN BOCA Chica Key, FL is waiting for a hurricane. They are launched from a vehicle traveling at about 60 mph. Scientists hope these little UAVs will be able to offer new insight into hurricanes.

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Cheese Lover	10.99	13.95	16.95	20 - \$9.99	80 - \$32.99	Teriyaki Sauce
White Deluxe	13.99	15.95	17.95	Mild, HOT, BBQ, Garlic Lemon		
Spinach	12.99	14.95	16.95	Combo Meals		
Veggie Deluxe	12.99	14.95	16.95	Flafel (Pita Bread), FF & Soda\$5.95	
Meat Deluxe	12.99	14.95	17.95	Kabob on Grill, FF & Soda6.95	
Chicken Pizza	11.99	13.95	16.95	Philly Cheese Steak, FF & Soda6.95	
Chicken BBQ Pizza	13.99	15.95	17.95	Jumbo Cheeseburger, FF & Soda6.95	
Chicken Alfredo	13.99	16.99	18.99	Grilled Chicken Sandwich, FF & Soda	5.95	
Broccoli Chckn Alfredo	13.99	16.99	18.99	Gyro, FF & Soda6.95	
Chicken Fajita	13.99	16.99	18.99	Shrimp Basket, FF & Soda6.95	
Meat Fajita	13.99	16.99	18.99	Double Up The Meat2.00	
Super Supreme	12.99	15.95	17.95	Dinner		
Spicy Mexican Pizza	13.99	15.95	17.95	Lamb Shoulder w/Spaghetti NEW		
Meat BBQ Pizza	13.99	15.95	17.95	Chicken Parmigiana w/Spaghetti		
Greek Pizza	13.99	14.95	17.95	Chicken Alfredo		
Philly Steak Pizza	13.99	14.95	17.95	Fettuccini Alfredo		
Hawaiian	12.99	14.95	15.95	Big Lasagna		
Sicilian Pizza Deluxe		17.95	20.95	Stuffed Shells		
Each Additional Topping			\$1.00	Baked Manicotti		
Calzone or Stromboli				Spaghetti with Meat Ball or Meat Sauce		
Super Deluxe		Med \$6.75	LG \$9.75	All Dinners Served with Salad & Garlic Bread		
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Embry Riddle
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Thursday, 10/12 COA 354, 5:30 pm

October 16-19 Career Services Presentations
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"Dress for Success"
"Working the Expo"

Wednesday, 10/18 Co-op/Intern application deadline. Schedule a mandatory advising session with your Program Manager

Wednesday, 10/25 Annual Industry/Career Expo
Thursday, 10/26 ICI Field House, 10 am - 3 pm
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Find our monthly schedule at **RiddleVision.com**

Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
10 The Exorcism of Emily Rose	11 Amityville Horror	12 Failure to Launch	13 Final Destination	14 American Beauty	15 Poseidon	16 The Producers
8:00 AM Poseidon	The Producers	Take the Lead	White Castle	October Sky	The Terminal	The Lord of the Rings 2
10:30 AM The Terminal	The Lord of the Rings 2	United 93	Texas Chainsaw Massacre	Wag the Dog	Austin Powers 1	Wedding Crashers
1:00 PM Austin Powers 1	Wedding Crashers	The Inside Man	Blade	The Constant Gardener	Rose	Amityville Horror
The Exorcism of Emily Rose	Amityville Horror	Failure to Launch	Final Destination	American Beauty	Poseidon	The Producers
3:30 PM Rose	The Producers	Take the Lead	White Castle	October Sky	The Terminal	The Lord of the Rings 2
6:00 PM Poseidon	The Producers	United 93	Texas Chainsaw Massacre	Wag the Dog	Austin Powers 1	Wedding Crashers
8:30 PM The Terminal	The Lord of the Rings 2	The Inside Man	Blade	The Constant Gardener	The Exorcism of Emily Rose	Amityville Horror
11:00 PM Austin Powers 1	Wedding Crashers	The Inside Man	Blade	The Constant Gardener	The Exorcism of Emily Rose	Amityville Horror

U.S. biochemist takes home Nobel prize in chemistry

David Brown

The Washington Post

Roger Kornberg, a biochemist at Stanford University, won the Nobel Prize in chemistry Wednesday for figuring out the intricate way in which information in the DNA of a gene is copied in order to provide the instructions for building and running a living cell.

This "transcription" process, which is a cross between a waltz and a wrestling match on the molecular level, is essential for organisms as simple as yeast and as complex as human beings. It allows a cell to select the genes it needs from the thousands it doesn't, and to extract information from them efficiently and accurately.

Kornberg's prize, a relatively rare unshared one, completed an American sweep of the science prizes for physiology or medicine, physics, and chemistry. That has occurred only twice before, in 1946 and 1976.

Kornberg, 59, also becomes the seventh winner with a parent who won a Nobel. His father, Arthur, won in 1959. There have been five previous father-son duos and one mother-father-daughter combination, the Polish-French Curie family.

"Transcription is key to reading the information that is in our genes. His work allowed us to look in snapshots at how transcription works, and to look in beautiful detail," said Jacqueline Barton, a nucleic acid chemist at California Institute of Technology.

Kornberg's work is unusual in that it bridges three fields—biochemistry, biophysics, and X-ray crystallography—that are each difficult and consuming.

"What sets Roger apart from every other researcher in the area is the fact that he was willing and able to put together every way of looking at the transcription system to obtain answers," said Francisco Asturias, a cell biologist at the Scripps Research Institute, in La Jolla, Calif.

The 30-year quest to understand how gene transcription works mechanically in three dimensions has no direct medical application. However, the events Kornberg studies are so central to the function of cells

that understanding them will undoubtedly have practical uses. "I am of the opinion there is nothing of a fundamental nature that, once discovered, doesn't ultimately prove valuable," he told reporters at a conference call.

Organisms more complicated than bacteria store their genes in a nucleus, a compartment apart from the rest of the cell's machinery. These so-called eukaryotic cells are faced with a fundamental problem.

They carry thousands of genes—in the case of human beings, about 30,000—that together provide the instructions to make all the parts of all cells. But beyond the first few days of embryonic life, no cell needs all those instructions. It needs only a few hundred, or at most a few thousand. But it needs to be able to get them to quickly.

But efficient retrieval—finding a single tool in a garage, or a single book in a library—is only the beginning of the problem.

The gene cannot be taken out of the nucleus, like a tool or a book. Instead, the information in it has to be copied. The copy is then sent to a distant part of the cell, where it is "translated" into a specific protein, the desired end-product.

The information in genes is encoded in DNA, which has a twisted, two-strand structure. The copy that leaves the nucleus is made of RNA, which has a single strand. Both DNA and RNA are built of letter-like units, nucleotides, strung end-to-end. The RNA copy is made by separating the two strands of DNA and then using one strand as a letter-for-letter template to make the RNA strand.

The thing that does this is a giant enzyme called DNA polymerase II. Along with numerous other molecules, called "transcription factors," and guided by cues that differ from one type of cell to another, DNA polymerase II finds a gene and makes an RNA message through a series of actions that include feeling, unfolding, sorting, shoving, and releasing.

Kornberg's feat was to show how those steps occur on a physical, three-dimensional, non-metaphorical basis.

He did it by removing the transcription machinery of baker's yeast from

the yeast cell, copying it in huge quantities, and then letting it run in a test tube. He found ways to stop the action at various points midway through the process. He also found ways to solidify those delicate "molecular complexes" into crystals, which could be studied with X-rays.

The X-ray pictures, analyzed mathematically, ultimately revealed the location of hundreds of individual atoms—information that can be used to build three-dimensional models (or, these days, computer images) of all the transcription machinery, caught in the act of doing its job.

Turning genes on and off selectively is the key task of embryonic development. When the process is disrupted in mature cells, many problems, including cancer, may arise. The models and pictures that Kornberg and his associates are producing—the work is far from over—are helping solve the mysteries of gene regulation. But the practical problems faced at each step have been enormous, he said in a telephone interview.

"Each advance that we make is contingent on solving a problem before moving on. In each case, it has taken not less than five years to meet those requirements concerning the nature of the material," he said.

Kornberg majored in chemistry at Harvard College and got a doctorate at Stanford. He has three children—and 11-year-old son, a 14-year-old daughter, and a 20-year-old son. His wife, also a biochemist, works in his laboratory.

The prize is worth about \$1.4 million. He said he will use the money to pay debts and perhaps buy a new car. His 20-year-old Volvo was in the shop Wednesday.

He said he has vivid memories of accompanying his father to the Nobel Prize ceremonies in Stockholm as a 12-year-old, and is looking forward to taking his own family there.

Arthur Kornberg shared his prize with Spanish-born biologist Severo Ochoa "for their discovery of the mechanisms in the biological synthesis of ribonucleic acid and deoxyribonucleic acid." It was work that, intellectually speaking, helped build the house that Roger Kornberg is exploring.

New look suggests that dinosaur is no cannibal



PHOTO COURTESY THE AMERICAN MUSEUM OF NATURAL HISTORY

Rick Weiss

The Washington Post

Alas, poor Coelophysis! We thought we knew him well.

Birdlike dinosaur, prehistoric inhabitant of New Mexico, and above all, a cannibal. So heartless, so cold, it ate its own young.

Or so the story went. Now a new analysis of the fossil evidence indicates that scientists did not know Coelophysis (pronounced SEE-lo-FYE-sis) so well after all.

Bones preserved inside the fossilized stomach of an adult Coelophysis, long believed to be the remnants of a snack-sized baby Coelophysis and the primary evidence for cannibalism by that species, are actually bones from a crocodile of sorts—the kind of prey that even the most ethically demanding paleontologist would find perfectly acceptable.

The rehabilitation of Coelophysis's reputation is a reminder of the difficulty of inferring animal behaviors from bits of bony evidence. But as museums prepare to revamp their displays, it is a reminder that science means never having to say you're sorry.

"In science, all ideas must be open for testing," said Sterling Nesbitt, the Ph.D. student at Columbia University who led the research that debunked the presumptions about Coelophysis.

The story begins in 1947, when scientists from New York's American Museum of Natural History excavated a remarkable bed of prehistoric bones containing more than 1,000 skeletons of Coelophysis bauri, one of the earliest dinosaurs to walk the Earth.

The largely intact skeletons, up to nine feet long from tail to nose, were in many cases stacked atop one another. Scientists suspect a herd was wiped out in a flash flood and quickly buried in mud and sand.

From this treasure trove of bones, two specimens in particular have taken on mythic lives of their own. Both were skeletons of Coelophysis adults that appeared to have remains of young Coelophysis in their stomachs. Over time, those specimens gained reputations as bedrock proof that this species fed on its young.

"Pick up any dinosaur book, a children's book, textbook or even the primary scientific literature, they continually point to this as evidence of cannibalism," said Mark Norell, curator of the American Museum of Natural History. "Wherever Coelophysis is on display, there is some allusion to its being a cannibal."

Then, last year, Nesbitt noticed something peculiar while waiting for the C train in the 81st Street station of the New York City subway system. That's the station for the natural history museum, and its walls are adorned with high-quality bronze castings of fossils—including one of the famed Coelophysis cannibal fossils.

"I was looking at how well this one was done," said Nesbitt, who at the time was a second-year doctoral student in a paleontology program run jointly by Columbia and the museum. Nesbitt ran his finger over the casting of the leg bone inside the dinosaur's stomach, trying to feel the slightly offset head of the femur—a small knob characteristic of dinosaur bones. For the life of him, he said, he could not feel it.

"After that," Nesbitt said, "I told Mark we should definitely reexamine (the original) because I'm pretty sure it's not a dinosaur."

Arrangements were made to have the display's glass removed early one morning before the museum opened. Using solvents and fine tools, the researchers removed the key bone from the 210-million-year-old specimen.

The verdict was straightforward: That dinosaur's last meal had not been a baby Coelophysis after all—indeed, was not any kind of dinosaur—but was some other reptile, probably a kind of crocodile.

That led to a closer examination of the other New Mexico specimen. In that case, the bones in question do appear to be those of Coelophysis. But one is far too large to have been swallowed whole. And other details, including the orientation of those supposedly swallowed bones, make it virtually certain that they are from a small individual that was crushed beneath the larger animal when disaster struck, and was not inside the larger animal's gut.

"Our results show that although stomach contents were remarkably preserved ... no evidence for cannibalism exists," the team concluded in last week's issue of Biology Letters, a publication of the Royal Society.

Several experts said they were fully convinced by the new evidence and expect changes to be made in museums and books. Norell is already reworking the language that accompanies the Coelophysis display in New York.

But other museums face bigger challenges than relabeling old bones. London's Natural History Museum, for example, is currently in the midst of a blockbuster exhibit called "Dino Jaws," which features life-size, motorized dinosaurs—including a Coelophysis with a baby Coelophysis in its mouth.

"It's not embarrassing," said Paul Barrett, a paleontologist at the museum, sounding reasonably cheerful even as he scrambled to add new information to the display and plan changes for the museum's Web site. "It's a convincing story," he said of the new work. "I'm happy to accept the conclusion."

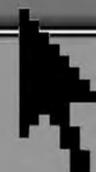
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Appropriators agree on new contract for F-22

Andrew Striker
Staff Reporter

Appropriators in the Congressional Defense Department have agreed to a multiyear contract for acquisition of the new F-22 Advanced Fighter Aircraft.

The F-22 is a next generation aircraft with stealth capabilities, a highly maneuverable airframe, advanced integrated avionics, and an aerodynamic performance allowing supersonic cruising speeds without afterburner. It is at the forefront of all military aviation research.

The contract also denied approval for any sales to a foreign country. The Pentagon argued for the fighter in part because other U.S. aircraft were already sold abroad. Japan was believed to be the only country to be able to afford the fighter, but even after the consideration that no country could, the door on the subject was closed.

The new contract authorizes a multiyear payment for 60 F-22 aircraft, to begin with 20 in fiscal year 2007, says the report in the Congressional Record. The total cost of procurement will amount to approximately \$687.4 billion which averages to about \$11.5 billion per aircraft.

Lawmakers said, "The conferees expect the Department of the Air Force will continue to seek improved efficiencies in this program" (Aviation Now, Sept. 27).

During the same conference, the appropriators also recommended \$94 million for advance acquisition of six conventional take-off and landing (CTOL) variants of the F-35 Joint Strike Fighters in 2008. \$125 million will go toward advance requisition of six of the Navy's short take-off and vertical landing variants. With the combined numbers of the F-35 variants allow production to continue but at a less precarious rate and with less overall risk than programs

suggested by the department.

Elsewhere the appropriators allotted funds for the production of only two Air Force CTOL JSFs. This comes as a disappointment to the Air Force that requested a total of five.

The F-22 production line could be extended by the Navy and Marine Corps 12 to 14 month acquisition delay, and could even lead to the purchase of even more F-22s than those approved by the Pentagon.

The deal also provided \$72 million to purchase and install Advanced Electronically Scanned Array (AESA) radars. The radars would be installed only in the Air National Guard F-15C fleet. The appropriators also expressed that they "strongly encouraged the Department of Defense to establish a plan to keep the U.S. F-15 inventory up to date with new and/or modern technologies considering the expected service life of the plane."



PHOTO COURTESY U.S. AIR FORCE

APPROPRIATORS IN THE CONGRESSIONAL DEFENSE Department have agreed on a new contract for the F-22 Raptor. The contract denies sales of the F-22 to any foreign country and calls for 60 aircraft to be built starting in 2007. The F-22 (front) is replacing the F-15C (back) to be used mainly in the Navy.

Turkish plane hijacked Europe, U.S. talks fail

Maciek Majewski
Staff Reporter

A Turkish Airlines Boeing 737-400 operating from Tirana, Albania to Istanbul was hijacked last Tuesday and forced to land in Brindisi, Italy, where the hijacker, identified as 28-year-old Turk Hakan Ekinci, surrendered to the Italian police. The 113 passengers and crew exited the plane unharmed about two hours after its land-

ing, including three contestants in a beauty contest in Albania. In the beginning, there were several misconceptions about the hijacking. It was thought that the plane had been hijacked by two men, and that the action had been a protest to Pope Benedict suggesting a link between Islam and violence last month. The Pope's words caused anger in Turkey and other Muslim nations.

The apparent truth behind the hijacking is a lot more surpris-

ing. According to Turkish officials, Ekinci, a Christian, had sent a letter to the Pope in late August asking for help in avoiding compulsory military service in Turkey. As quoted from an online blog, Ekinci wrote, "I am Hakan Ekinci, I am a Christian and I never want to serve in a Muslim army. I am begging you for help as the spiritual leader of us, Christians' world." According to eyewitness reports, Ekinci slipped into the cockpit when a flight attendant opened the door and gave one of the pilots a note saying he had to deliver a message to the Pope, otherwise the plane would be blown up by his accomplices onboard a different aircraft. No weapons were found onboard the Turkish Airlines aircraft.

In the end, it appears that all the hijacker wants is political asylum. According to Turkish officials, he was being sent back by Albania after being denied asylum. Prosecutors say that they will aim to have him tried in Italy.

Bob Scheid

Chief Copy Editor

BBC news reported last week that talks between the United States and the European Union (EU) regarding airline passenger information had broken down.

Following the Sept. 11 terrorist attacks, airline security has become a top priority for America. Domestic flights are regulated through the Federal Aviation Administration (FAA), but international flights, like the ones that were almost hijacked in August between England and the United States, require cooperation between nations.

U.S. agencies currently require that 34 pieces of personal information about each passenger be transmitted within 15 minutes of the plane's departure. In May of this year, the highest European court ruled this illegal, and Sept. 30 was set as the deadline for the issue to be resolved.

Jonathan Todd, a spokesman with the E.U. Transport Commission,

said that as of that day, no agreement exists. "There is a legal vacuum as of midnight," he said that day. However, he stressed that talks were not ended permanently, and that higher levels of the governments were still in communication about the dispute.

However, U.S. Homeland Security Secretary Michael Chertoff told Reuters the same day that there was no basis to say that talks had broken down. "We are confident we can move forward to a mutually acceptable agreement," he said. Chertoff also said that he had been assured of continuing compliance by European airlines with regards to the required data transfers.

A result of the halt of talks, airlines refusing to provide the infor-

mation requested may be denied landing rights in the United States, while those that do provide the information may face legal consequences under E.U. data protection legislation. Nevertheless, officials are saying that there should be no disruption of transatlantic flights.



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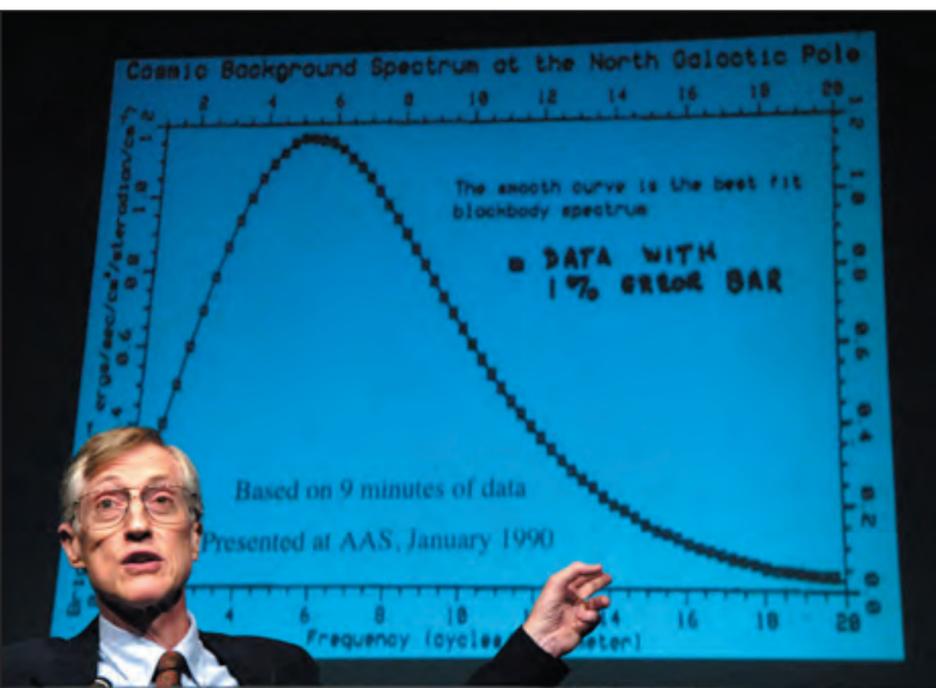
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NASA scientists win Nobel prize for Big Bang



NASA SCIENTIST JOHN MATHER shows some of the earliest findings from Cosmic Background Explorer satellite (COBE) during a press conference Oct. 6 at NASA headquarters in Washington, D.C. Mather will share the 2006 Nobel Prize in Physics with George Smoot of the University of California.

Eddie Drapkin
World News Editor

The Nobel Prize for Physics this year has been won by two Americans, John Mather and George F. Smoot for their work with the COBE (Cosmic Background Explorer) Satellite in helping to cement and provide more scientific proof for the Big Bang Theory. The two scientists used the COBE to show that there were minute changes in temperature over a large distance, responsible for the non-even spread of matter across the universe.

According to the Big Bang theory, in the beginning of the universe, there was a massive explosion that sent matter away from an infinitesimally small point into the universe and released an unimaginable amount of heat and radiation.

According to the theory, the universe has been expanding and cooling ever since. This would suggest that there is a background radiation throughout all of space, although it will not be entirely consistent. The two laureates were able to detect this predicted background radiation and measure it: it roughly corresponds to a temperature 2.7 degrees Centigrade above absolute zero. This discovery has incredible implications in the world of physics: it is solid proof that, at one point,

the universe was nearly uniform in shape and distribution of matter, a fact that the Big Bang Theory leans on heavily.

Dr. John C. Mather is employed for NASA at the Goddard Space Center. Dr. George F. Smoot is a professor at the University of California at Berkeley.

According to a press release from the Royal Swedish Academy of Sciences (which awards the Nobel Prize in Physics), "The success of

COBE was the outcome of prodigious team work involving more than 1,000 researchers, engineers and other participants. John Mather coordinated the entire process and also had primary responsibility for the experiment that revealed the blackbody form of the microwave background radiation measured by COBE. George Smoot had main responsibility for measuring the small variations in the temperature of the radiation."



JOHN MATHER, SEEN HERE on the left, of NASA, and George Smoot of the University of California, pose for portraits. Behind Mather is a model of the COBE satellite which helped lead to the findings and contributed to the research that won them the Nobel prize.

It's one small step for 'a' man

Bob Scheid

Chief Copy Editor

A computer programmer from Australia claims to have found the missing letter in Neil Armstrong's first broadcast from the surface of the moon, vindicating Armstrong and necessitating the corrections of millions of textbooks, manuscripts, and the like everywhere.

The broadcast was heard as saying, "That's one small step for man, one giant leap for mankind." The problem is that, in those references, "man" and "mankind" essentially mean the same thing; they refer to humanity in general, not one person.

The proper format would have read, "That's one small step for a man..." because it would separate

a physical man from the evolution of the human species.

Armstrong has maintained that he, in fact, did say the "a" and that it got lost in the static of the Earth-Moon communication loop. Official NASA transcripts of the dialogue include the "a."

Then, two weeks ago, an Australian named Peter Shann Ford downloaded the sound file of Armstrong's line from the NASA website.

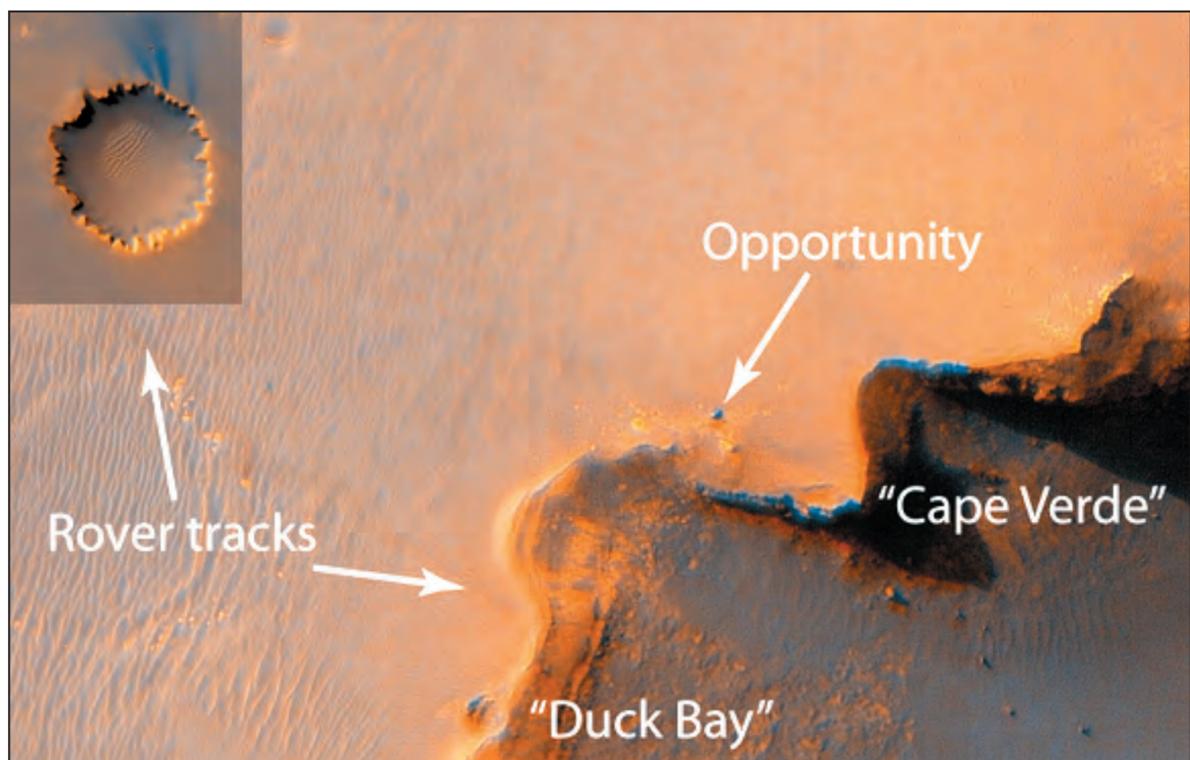
Using a special program, designed to help disabled people communicate through computers by way of their nerve impulses, a graphical representation of a missing word was found in the static.

Armstrong himself has reviewed the analysis and Ford's interpretation of it. He said that he found "his conclusion persuasive."



THE MOON BOOT OF Neil Armstrong is seen shortly after having set foot on the moon, and making his famous quote, on July 20, 1969.

Incredible Opportunity to image



JUST A WEEK AFTER the HiRISE camera aboard the Mars Reconnaissance Orbiter beamed back its first image from mapping orbit, 170 miles above the planet, the spacecraft sent back what may be the most remarkable image ever taken from a satellite orbiting another world. The full image (by width) of half-mile-wide Victoria Crater is shown at upper-left, while the main photo shows the full resolution of the camera. The Opportunity is clearly visible as more than just a speck, as in past orbital photos, on the rim of the crater.

Kennedy Space Center could see more commercial activity

Joseph Poznanski

Staff Reporter

With the twilight of NASA's Space Shuttle program approaching as soon as 2010, the Kennedy Space Center is considering opening its runways to private space launch companies.

The venture would work alongside the development of Lockheed

Martin's Orion project for the Space Shuttle replacement.

The Kennedy Space Center is so attractive to private corporations because of its excessively sized Shuttle Landing Facility (SLF) runway, which measures 15,000 feet by 300 feet wide, making it one of the world's largest.

The site is also perfect for high-risk/high performance space launches, since it is surrounded

by thousands of acres of wilderness with huge tracts of restricted airspace already designated around it.

According to *AviationNow.com*, the Federal Aviation Administration (FAA) is working closely with NASA to determine environmental, safety, and commercial requirements for such ventures.

One of the biggest criticisms the private sector has had about

commercial space development in recent years has been the slow crawl of bureaucratic approval, and by starting this study early, NASA and the FAA hope to combat this problem, making future ventures relatively red-tape free.

Several companies using Very Large Aircraft (VLA) have also been considered for use at the Space Center, as the runway is able to handle aircraft with wingspans

in excess of 240 feet.

Currently, the Zero Gravity Corporation is already an example of a private company working out of the Kennedy Space Center. In addition, the shuttle landing strip was used as the starting point for the Virgin Atlantic Global Flyer, which took off from the facility in early 2005 on its round-the-world trip.

Virgin Galactic is expected to

be the biggest such private space developer to participate if allowed, using the site as a secondary base of operations aside from its future spaceport being constructed in New Mexico.

Virgin is in the process of constructing its SpaceShipTwo fleet of suborbital manned vehicles. They hope to be the first company to take paying passengers on rides into space regularly.

Upcoming Cape Launches

The next launch from Cape Canaveral will be a Delta 2 rocket with NASA's STEREO spacecraft. STEREO consists of two, identical craft that will study the Sun in 3-D like never before, helping to understand our nearest star better, as well as predict and report on solar storms better.

The launch will mark the first night launch at Cape Canaveral in thirteen months, and is scheduled to lift-off at the opening of a 15-minute window lasting from 8:38 p.m. to 8:52 p.m. EDT. This should be an optimal time for making the one-hour trip down and viewing the launch. Look for more detailed launch viewing information in a coming issue of the Avion.

More information on the launch can be found on the STEREO website at stereo.jhuapl.edu and updates on the launch status at spaceflightnow.com.

Oct. 25
Delta 2
NASA's STEREO
Twin solar-monitoring craft
Launch time: TBD

NET Nov. 14
Delta 2
Next GPS sat.
Launch time: TBD

Dec. 7
Atlas 5
STP/Orbital Express
Air Force experiment

Dec. 7
Space Shuttle Discovery
STS-116 / ISS flight
Launch time: 9:38 p.m. EDT
First night shuttle since 2002

NET Jan. 20
Delta 2
NASA's THEMIS
Five Earth-monitoring craft
Launch time: TBD

NET January
Delta 2
Next GPS sat.
Launch time: TBD

NET Jan. 31
Delta 4-Heavy
Last DSP satellite
Launch time: TBD

NET Feb. 22
Space Shuttle Atlantis
STS-117 / ISS flight
Third set of giant solar arrays
Launch time: TBD EDT

EDITED BY BEN COOPER

SpaceShipTwo hopes to make suborbital space travel routine

Luca Cernuschi

Staff Reporter

Following the success obtained by SpaceShipOne in 2004, Virgin Galactic announced the start of the development of SpaceShipTwo.

The spacecraft, scheduled for completion in 2008, aims to be able to carry a total of eight people – two pilots and six passengers – at a height of roughly 122 kilometers (400,000 feet), beating its predecessor's altitude by nearly nine percent.

Head of Virgin Group, parent company of Virgin Galactic, Sir Richard Branson presented a full-size model of the craft at the Javits exhibition center in New York on Sept. 28.

It revealed a cabin the size of a Gulfstream V jet and adorned with reclining seats not unlike those in

modern commercial aircraft.

Burt Rutan, designer of both the spacecraft, won the \$10 million Ansari X Prize in October 2004.

The flight set milestones for having built the first privately-funded spaceship to fly above 100 km and to exceed Mach 3, as well as for constructing the first privately-sponsored reusable sub-orbital vehicle.

With SpaceShipTwo, recently renamed VSS Enterprise, Rutan will provide passengers with several minutes of weightlessness during a two-and-a-half-hour trip without requiring them to wear pressurized spacesuits for a \$200,000 fee, according to Earthtimes.org.

Indeed, the company hopes to fly 500 passengers within a year of development completion, and is planning various programs – such as reality TV shows – to entice

potential clients.

As it stands, one of the pioneers of this program will be British businessman Alan Watts, who will be required – like all other passengers – to undergo three days of training before the flight itself.

The VSS Enterprise is being constructed in the Mojave Desert, California, and will use the spaceport there as its launch site throughout 2008.

However, Branson plans to relocate to the \$225 million Southwest Regional Spaceport, New Mexico, starting in 2009.

Branson does not rule out the possibility of constructing new sites in places such as Florida, Scotland and the Middle East either, since his company is expected to operate at least five spaceships, and is considering developing a fully-orbiting craft, SpaceShipThree, in the near future.

New diffuse ring is discovered around Saturn

Ring first visible in high angle photographs

Bob Scheid
Chief Copy Editor

During a special orbit, the Cassini spacecraft discovered a new ring around Saturn, *Space.com* reported last week. The spacecraft's orbit took it behind the planet in such a way that Saturn would eclipse the sun for 12 full hours, instead of the typical hour of previous orbits. The extended viewing time, combined with the high power cameras of Cassini and a high phase-angle, allowed the discovery to take place.

The main ring formations of the Saturnian system are designated, in order of increasing distance from the planet, D, C, B, A, F, G and E. The new ring is located between the F and G rings, coincident with the orbits of Janus and Epimetheus.

These two irregular satellites switch their orbits every four years, when they come close together and are slung into the other's orbit.

It is believed that meteorite impacts over the ages have ejected the microscopic space dust into the ring system; this is a common occurrence in the rings of planets, but scientists are still puzzled at the distinctness of the new ring.

Saturn's E ring was also photographed during the encounter.

While parts of it had previously been imaged, this was the first time when the whole ring system was photographed at once.

Some sections of the ring showed strange wispy "finger" patterns, which are thought to be the result of ice particulates being ejected from the south pole of Enceladus, a satellite in the Saturnian system which was sweeping through the E ring at the time of the picture.

"Both the new ring and the unexpected structures in the E ring should provide us with important insights into how moons can both release small particles and sculpt their local environments," Matt Hedman, part of a team at Cornell University, said.

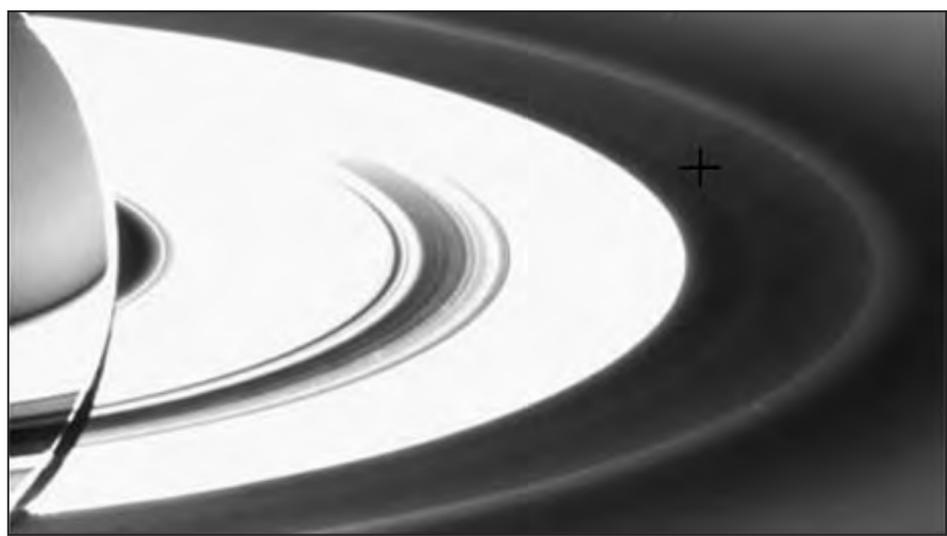


PHOTO COURTESY JPL.NASA.GOV

THE NEW RING DISCOVERED around Saturn can be seen here as the outermost and least visible ring in the photo. The ring was first seen by Cassini in a high phase-angle image during an eclipse pass.

“
The new ring is located between the F and G rings ...

”
-BOB SCHEID

Space storms causes hiss

Kareem Miller
Staff Reporter

Space Weather, according to *Space.com*, is described as a stream of constantly changing charged particles released from the sun, which excites the Aurora (Northern and Southern Lights). This barrage of charged particles can threaten satellites and electrical grids and is also part of the creation of plasmaspheric hiss.

A radio hiss which is another name for plasmaspheric hiss, has been cited as the reason for the Van Allen Radiation Belts, which are two donut shaped belts of radiation which are trapped in the Earth's magnetic field and move at nearly the speed of light. Plasmaspheric hiss is composed of low-frequency radio waves, which split the radiation belts into two. The radio waves frequency range from 100 Hertz to several kilohertz and these waves help scatter the moving electrons, pushing them into

Earth's upper atmosphere and creating the gap in the Van Allen belts. Another contributor to plasmaspheric hiss is lightning. Radio waves accompany lightning waves, which explains why radio reception during storms tend to be horrific, and these waves create the

gap between the radiation belt providing a "safe zone" for satellites to be positioned in between the belts.

Lightning drives the radio waves into the slot from high-latitude strikes, which interacts with the particles and drives them out of the space, preventing the belts from becoming one and being a potential hazard to satellites and spacecraft. "Without the cleansing effect from lightning, there would be just one big radiation belt, with

no easily accessible place to put satellites" said James Green from NASA's Goddard Space Flight Center.

Gaining a better or more complete knowledge of solar weather, particularly plasmaspheric hiss, would help scientists with their forecasts of space conditions and assist in defining what conditions would make space travel safer for humans.

Nigel Meredith of the British Antarctic Survey says, "Understanding the source of hiss will help scientists produce the next generation of radiation belt models that will be eventually be used for predictive purposes. This will help humans in space plan their activities to avoid unnecessary exposure to extreme levels of space radiation."

“
Understanding the source will help produce ... radiation belt models ...

”
- NIGEL MEREDITH

Ozone hole at record size

NASA, UN confirm hole biggest ever

Jacob Stump
Guest Reporter

Confirmed by both NASA and the U.N. Weather Agency, the ozone hole over Antarctica has reached a record size. While the numbers vary, between nine million square miles at the low end and 18.3 million square miles at the high end, both agencies agree that the area has surpassed the previous record, which was set back in 2000. Previously, some had suggested that the ozone hole was well on its way to repairing itself.

In 2003 a report was released which said that ozone layer depletion may be slowing down, due to the 1987 Montreal Protocol interna-

tional treaty, which phased out CFC production completely in 1997. However, CFCs are very versatile molecules; they can survive for 50-100 years before making the trip to the upper atmosphere to absorb UV radiation and break apart, consuming over 10,000 ozone molecules per one CFC.

Therefore while the rate of depletion may be slowing, the ozone layer has yet to begin healing itself. Another contributing factor is the especially cold winter Antarctica has had this year. The cold affects the ozone layer by increasing the amount of depletion. This increase in depletion, though more marked for this year, is part of the normal cycle for the ozone hole.

NASA's Ozone Resource Page (www.nasa.gov/vision/earth/

environment/ozone_resource_page.html) says that the ozone hole "opens up" in mid-August, and peaks in September and October. The ozone hole isn't actually a hole, but rather a thinning of the ozone layer over the South Pole.

This allows a significant amount of dangerous UV radiation through the atmosphere that normally would not be able to pass. Luckily there are very few humans in Antarctica for the UV radiation to harm, and the few that are there wear thick layers of insulated clothing. NASA predicts that given proper enforcement of the Montreal Protocol, the ozone hole should show signs of improvement as early as 2018, and actually start to shrink by 2025.

“
... the ozone layer has yet to begin healing itself.

”
- JACOB STUMP

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Scorsese makes a masterpiece



The Departed



Joseph Poznanski
Staff Reporter

Martin Scorsese's new film, "The Departed", is for anyone who loves "The Usual Suspects," "Pulp Fiction" and "Goodfellas." The film is an organized crime/gangster drama with an all-star cast, plenty of laughs and a surprise ending, all of which come together to form a police drama masterpiece.

Jack Nicholson plays Frank Costello, the center of attention in this movie as

the head of the Irish Mafia in Boston; his closest competitor is the Italian Mafia in Providence. The story draws in Leonardo DiCaprio's character Bill Costigan as a police academy graduate whose questionable background makes him the perfect choice to infiltrate Costello's underground organization. Opposite DiCaprio is Colin Sullivan, played by Matt Damon, who is Costello's counter-infiltrator in Boston's police department. The rest of the movie is a matter of cloak-and-dagger; everyone knows there are "rats" in both organizations, but it is no easy feat to flush them out. The heads of the Boston police department are played by a very aged Martin Sheen and exceedingly plump Alec Baldwin whose self-effacing humor often get the biggest rise out of the audience. Mark Wahlberg's character is relatively minor but worth mentioning; he nails the part perfectly of a perpetually volatile state trooper, who flings out profanity and says random and insulting comments to catch the other officers off guard.

A very subtle soundtrack permeates most of the film; however, a few sequences are almost blaringly Irish, such as a strange Riverdance and acid rock track during the delayed title screen and once again later in the film.

Jack Nicholson's insanity is worth noting; true to form he excels at the bizarre and off the wall, both with his comments and his actions. Some of his antics include saying, "You learn a lot from watching things eat," then promptly eating a housefly, and brandishing a huge black dildo during a scene at a XXX theater. Alec Baldwin's humor is a little more toned down, though at one point it is obvious he is "adjusting" his crotch in public. Leonardo DiCaprio's performance is excellent, and for the first time it seems as he has matured and this is conveyed on-screen. "AOL.com"'s "Unscripted" features an online interview between Matt Damon and Leonardo DiCaprio in which Matt Damon jokes to DiCaprio that during production DiCaprio, "got a little bitchy" and "got a little catty."

This film has earned its stripes to be along the likes of other traditional crime dramas; it already has the makings of a classic. Few have attempted to catch the perfect film of the elusive Irish Mob, but Scorsese has done it and with flair. The film is definitely worth seeing, especially in theaters, as the sound editing is tremendous and may not come across with as much gusto in the DVD version. Though a little on the long side, it is definitely worth seeing.

“*The Departed* already has the makings of a classic.

- JOSEPH POZNANSKI

'Scoundrels' is an underdog story



School For Scoundrels



Melanie Pugh
Business Manager

From Todd Phillips, the Director of "Old School," comes the latest nice guys finish last turned underdog champion tale, "School

for Scoundrels" (PG-13). Even from the preview, the film seems to settle nicely into little categories of cliché, however, it is about as original as they come.

Jon Heder plays Roger, a slightly more suave version of his "Napoleon Dynamite" character. Roger is an awkward, clumsy 20-something working for campus security and failing miserably at any attempt of intimidation, even apologizing and offering to pay for the tickets he writes. Leading a seemingly uneventful life, the highlight of Roger's day is running into Amanda, the girl next door, in the elevator. Amanda, Jacinda Barrett of "The Last Kiss," is beautiful, Australian, and more importantly, gives Roger the time of day.

After several unsuccessful attempts at picking up Amanda, Roger retreats to the fact that he cannot get past her obnoxious roommate, comedian Sarah Silverman, or remain conscious while standing at her door long enough to ask her out. Clearly, he needs some help. Enter Dr. P., a no nonsense drill sergeant version of Billy Bob Thornton, the operator of a dating school for the socially inept.

Students vary in levels of geek, but all share a common purpose of building confidence and being able to talk to the opposite sex. The class is reminiscent of "Fight Club," there are rules, interactive homework assign-

ments, and talking about it is forbidden. On day one, Dr. P. asks those students who own self-help books to raise their hands. When the majority of the class obligingly raises their hands, Dr. P. ridicules them by saying, "You can't help yourself because your self sucks."

Roger excels in the class and even begins seeing Amanda, but it soon appears that he is getting too good. He completes all of his assignments, participates in class and tells stories of his successes. After sharing that he is improving at such a rapid rate that he could teach the class soon, he is promptly slapped by Dr. P. and the game is on. Dr. P. begins seeing Amanda on the side to challenge his student. When Roger finds out, a series of shenanigans ensue, and Amanda appears oblivious as they vie for her attention. Ultimately, as Roger realizes, "Those who can, do, and those who can't, teach."

The 100 minute screenplay shows a different side of Thornton's talent and is very well-acted. Barrett pulls off a compelling supporting role, but anyone who has seen her in "The Last Kiss" knows she can do better. As for Heder, the character was meant for him, but it seems he will never get away from the genre of loser characters he has placed himself in, but I suppose it's a safe bet because the good guys always win, right?

Dane Cook is hilariously funny



Employee Of The Month



Erin Roberts

Aeronautica Editor

In a theater packed with fellow Riddle students and no one over the age of 40, "Employee of the Month" fulfilled the typical college movie bill. Bringing in all of the typical elements of a teen movie, the film was exactly what it was meant to be; stupid in plot but hilariously funny.

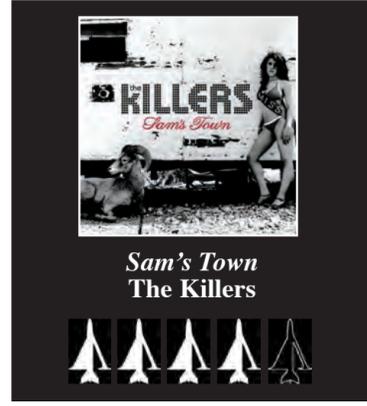
Dane Cook stars as Zack, the box boy with no ambitions, who falls for Amy, the new clerk at Super Club, played by Jessica Simpson. Vince, Dax Shepard, and Zack spend the movie battling it out

for the title of Employee of the Month and Amy's heart. Vince holds the speed record in the southwest for Super Club checkers and is working on the becoming Employee of the Month for the 18th time. Zack cares nothing about Vince or the title until Amy comes into the picture. Stealing her personnel file, Zack and his friends find out that Amy will date anyone who is employee of the month. Zack is from then on determined to snag the title and the girl from Vince. Being the typical slacker in any teen movie, Zack must overcome some serious obstacles providing plenty of moments of hilarious slapstick comedy.

The acting is mediocre but satisfying and rounded out by the often dynamic characters in the movie. Effen Ramirez, better known as Pedro from "Napoleon Dynamite," plays Jorge, Vince's pet and personal box boy. These two make a great combination and together give the audience a good chuckle. Another great pair is Glen and his brother Glen, the manager and store owner of Super Club, who manage to supply pink uniforms for the baseball team and a liberal amount of laughs. Zack's friends fill out the other main characters becoming the fuel behind Zack's fire, and even though these characters are all so different, they work together to make it great.

While "Employee of the Month" will not stimulate your brain, inspire a heated debate, or make you feel passionate about something, it will entertain you. This movie was worth the time and gives you a great excuse to get out of doing that pesky homework, giving you plenty of time to laugh instead. Chalk one up for another good Dane Cook movie and go see it.

The Killers do it again



Sam's Town The Killers



Brian Case

Editor-in-Chief

If you ever needed proof The Killers have staying power, just listen to the sounds of their sophomore album *Sam's Town*.

The Killers went global two years ago, when the Las Vegas band released their debut album *Hot Fuss*. That album went multi-platinum, pulling three popular singles: "Somebody Told Me," "All These Things I've Done" and "Mr. Brightside." The Killers helped define a resurgence in

British 1980's New Wave sound, in the company of Franz Ferdinand, Interpol and others.

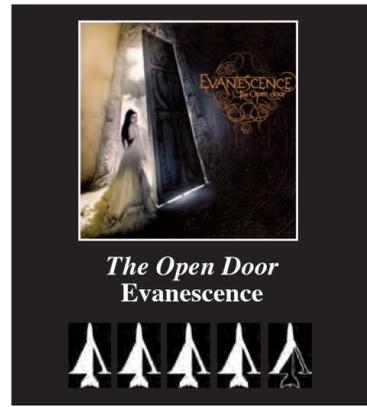
But this "Neo New Wave" sound is only an undertone of *Sam's Town*, influencing, but not defining the album. The singles from *Hot Fuss* were sing-along radio smashes that moved fans onto the dance floor. Don't expect the same from *Sam's Town*. The tracks are more rock and less dance, but strong. Because of this, *Sam's Town* may prove to have more lasting power.

Whatever you do, don't be deceived by the pre-album single "When You Were Young;" it's only the tip of the iceberg. The album opens with "Sam's Town," seemingly a message to the band's critics that they aren't going anywhere.

Then The Killers get on with their music. Following a brief "Enterlude," The Killers present nine solid tracks, including my favorite (although mistitled) "Bling (Confession of a King)" and their second single, "Bones."

Fans need to give this album a chance. Everyone and their second cousin became fans of The Killers in 2004. Everyone seems to have expected what The Killers could have never delivered, another *Hot Fuss*. If they could have written 12 more (quality) tracks, *Hot Fuss* would have been a double album. Instead, The Killers made the wise choice to record an album that, had it been released as their debut, would have found equal success.

'Open Door' is stirring



The Open Door Evanescence



Jonathan Mettin
Managing Editor

Evanescence's second major studio release, *The Open Door*, picks up right where *Fallen* left off, combining Amy Lee's amazing vocals with towering rock instrumentals.

The album kicks off with a very strong one-two punch of "Sweet Sacrifice" and the hit single "Call Me When You're Sober." The latter, a revenge song directed at her ex-boyfriend, brings the band's lyrics down from the ether to earth, which may unnerve Evanescence fans at first, but most of the album still has Amy Lee's

symbolic vocals. "Lose Control," later in the album, is the exception to this rule.

The Open Door doesn't hit as hard as *Fallen* did. The band has already established itself, and Lee took some more creative freedom after the sudden departure in 2003 of former founding member Ben Moody, who co-wrote many of the band's songs as well as playing lead guitar. But that's not to say it's not as good; while it probably is not the single farm that *Fallen* was, the album as a whole is better rounded.

Lee also explores some of the lower ranges of her voice on the album, most notably on the track "Like You," which takes the pace of "My Immortal" and uses strings instead of a piano.

"Lose Control" is probably the weakest link on the CD. It plays on the Evanescence stereotype a bit too much, overusing haunting background vocals, features a piano that is hitting notes a bit too high for the rest of song to deal with, and drops seemingly random guitar crescendos into the track. That said, the worst track on *The Open Door* is still very listenable.

Evanescence inspired a surge of goth-rock music, but they have not succumbed to sellout syndrome. Lee is still trying to figure out God and boys, but she still throws in a few musings ("Snow White Queen" is her imagining what someone stalking her is like, for example). While tracks from *The Open Door* probably won't get the airtime *Fallen*'s did, make no mistake: this is a very solid album by any measure and is definitely worth the purchase price.

Smile...it confuses people is eccentric and soulful



Mijeong Yoon
Comics Editor

Sandi Thom's *Smile...it confuses people* is an eccentric collection of soulful music with powerful lyrics. Her lyrics are Morisette-like, while her tunes are a mixture of Flogging Molly/Los Lonely Boys, but combined, Sandi and her band create a music of their own, addictive and appealing music with a powerful vocal by Sandi.

The popular single, "I wish I was a punk rocker (with flowers in my hair)" has already been played throughout various TV and radio sources in the United Kingdom and in the United States. This song,

which was inspired by the loss of a cell phone, talks of wishing to be a punk rocker who is part of the revolutions of 1977 and 1969. She talks of the times when "not everyone drove a car/when music really mattered/when radio was king." The music itself is subtle and grows into a rhythmic pounce that will make any listener nod their head or tap their foot to the beat. Her Scottish accent is very faint but absolutely tantalizing; it makes me smile.

Everything came about when Sandi's car broke down on the band's way to a gig earlier this year. Out of frustration as she drove with her exhaust pipe attached with a coat hanger, she thought of a different way of getting her

music heard without going to gigs. Ironically, in comparison to her popular single, she went and bought a webcam and set it up in her basement with an announcement that they will play 21 shows played consecutively from her basement, which was fed through her website, www.sandithom.com.

She started her own virtual tour. According to her website, 70 people tuned in the first night then the count went up to 670 the next night and eventually achieving peak audience of 70,000 listeners. Their amazingly catchy music caught the eyes and ears of every major record labels. After her "tour," Sandi signed a recording contract with RCA, live in front of her webcam, which was

a first in the music industry. Alike any other female song writers, her songs are based on lost loves and new loves with hopes and doubts. Also songs of the beauty of nature and life in general are a necessity in a soulful album with some of the past and some of the future.

In an interview posted on her website, she said, "I wanted to find a way to express my feelings about the changing circumstances in my life." The songs amplify Sandi's emotions as she learns about life and love, of the past, the present and the futures ahead. The album which was released early May in the United Kingdom and mid-September in the United States. Her

U.S. tours are schedule to start in early November on the west coast.

Sandi, born in Scotland, started her music obsession at the age of three when her father, who was a fisherman, became a helicopter pilot and used to sing and play guitar in a band. Her mother also came from a music background. Her musical roots started with Ray Charles, Aretha Franklin, Dylan and Carole King. She joined a band when she was 14, playing at pubs, clubs, weddings, etc. At 17, she was accepted to Liverpool Institute of the Performing Arts where she learned to play the guitar and met her band mates. For six years, Sandi and her band members grew together and built a strong rapport.

New Found Glory is back



Coming Home
New Found Glory

Melanie Pugh

Business Manager

"We always write music from us and we continue to grow as people and grow as a band. We cannot write the same record over and over so our sound is more of a progression than a departure." Front man Jordan Pundik has really grown into his voice, so the band can concentrate on writing and the sound that goes behind the lyrics.

From the beginning, the band's lyrics have primarily dealt with love and relationships, but *Coming Home* deals with what Bolooki calls "the more uplifting side of that...a lighter outlook than *Catalyst*."

With a variety of tracks, from slow to fast, from catchy to emo, from old school to experimentation with new sounds, *Coming Home* is sure to please long-time fans and new listeners alike. "Hold My Hand" and "It's Not Your Fault" are reflective of the band's core sound, in contrast to "Make Your Move" and "Boulders," which come as close to ballads as one can get in this genre. Parts of "Too Good to Be" are very reminiscent of Johnny Cash, and highlight the band's willingness to adopt new sounds.

For the fans who were only looking for something to rock out to at the Warped Tour, this album may be a little lacking. Bolooki adds, "I think on this record that you shouldn't dismiss it right away just because of the speed being different. A lot of our older fans like our new material because the songs are just as catchy...When you see us live you're still going to see us

and you're still going to have just as much if not more fun than you've ever had. We're still going to play all of our songs, both old and new, so there will be something for everyone."

The album clearly tracks the band's growth, but if you're not into that sort of thing, this may not be the album for you. However, most fans will be pleased as they have grown with the band. New Found Glory has lasted, coming out on top and proving they're not just another late 1990s has-been.

When New Found Glory visiting Embry-Riddle in April, guitarist Chad Gilbert called the new album his favorite project they've worked on so far, telling *The Avion*, "Our sound has definitely matured musically and Jordan, our singer, matured vocally. I think because we took a long break, we were able to do that." He added, "There's just a lot of negative stuff on the last record and this record is the opposite. Every song is like a love song. Usually, there's a song on every record that if you have a crush on someone, or you're in a relationship, you make them a mixed tape and give it to them, well with this album, you just give them the record."

The band previewed two tracks while they were here, but if you missed the performance, or even if you didn't, be sure to check them out Nov. 3 at the House of Blues with The Early November, Cartel and Hit the Lights.

Student Photo



THOMAS DALTON

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Escaping into dreams



The Science of Sleep



Don Macanlalay
Staff Reporter

Michel Gondry follows up the critically acclaimed "Eternal Sunshine of the Spotless Mind," with the disarmingly creative picture, "The Science of Sleep."

Stephane, Gael Garcia Bernal, returns home to Paris after his fathers death, with the promise of a "creative" job. The problem is that on his first full day of work the aspiring artist finds out that there's nothing creative about it at all. Surrounded by co-workers you would only imagine not to work with, Stephane escapes by diving into his imagination.

Although his job isn't everything he imagines (literally). He does have an attractive and creative neighbor, Stephanie, played by Charlotte Gainsbourg. Stephane falls for Stephanie, as their creativity brings them closer together. Yet, as outgoing and imaginative as Stephane is in his dreams he's ridiculously shy and reserved in real life. This ultimately keeps them apart, or does it?

In many ways this is your typical romantic comedy with a large splash of crazy ingenuity brought by Gondry's intense filmmaking talents. The film uses very little computer effects, with cardboard stop motion animations filling the screen with a whimsicality that very few can duplicate. He uses many of the same techniques he infused in the videos of Bjork, The

White Stripes and the Foo Fighters. Fans will note that these effects are integral to Stephane's story, illuminating every feeling that he harbors subconsciously.

"The Science of Sleep" brings an inventive and comedic character in Stephane that could only be based on Gondry himself. As Stephane's artistic expressions hold him back from winning the girl of his dreams, Gondry creates a confused sense that both the audience and the characters will feel is real and imagined.

Keep in mind that this is the first (or second, if you count Dave Chapelle's "Bloc Party") film done without the help of screenwriter Charlie Kaufman. If heartbreak was the main storyline of "Eternal Sunshine," then "The Science of Sleep" is about opening yourself up to the love of your dreams.

Gondry's movie is a marvel to watch with it's visually stunning design, but don't go in expecting another "Eternal Sunshine." "The Science of Sleep" is an honest comedy about two people and their emotions, and while the plot isn't as solid as its predecessor, you will be wishing you had a dream as vivid and enjoyable as the movie itself.

MacFadden goes solo



The Audience's Listening
Cut Chemist



Joseph Poznanski
Staff Reporter

Cut Chemist, the artist name of Lucas MacFadden, is probably more well-known from when he was part of the rap/turntable group Jurassic 5. This is his first solo CD and it is packed with foot-tapping beats; however, it is not a very "inspiring" album and actually comes across as

a little bland. One can easily see his talent at "mixing," but it takes more than kickin' beats, random sound effects, and the gratuitous random science fiction movie quotes to make an outstanding album.

The CD is great for driving or studying, times when you just want something to keep you awake, but you tune out as you concentrate on something else. The inherent theme behind the album is the eclectic life of a DJ, as the first track is nothing more than a cheesy intro with totally random quotes spun together to describe such a life. It then moves right into "(My 1st) Big Break," which sounds kind of like Fatboy Slim's "Weapon of Choice," with a recurring sound effect in the background that sounds like the Zerg from Starcraft. The next song, "The Lift," is relatively short, and leads the listener to imagine being on some sort of elevator/lift, with a spacey kind of Muzak playing in the background.

With "The Garden," Cut Chemist is apparently introducing one of his champion tracks as it is a remix of the Bossa Nova song "Berimbau" by Brazilian Artist Astrud Gilberto. The first thing this reviewer thought

of when listening to this track was the soundtrack from the old game Mechwarrior 2; it was easy to imagine pixilated 'mechs dueling it out on even more pixilated landscapes when listening to this song.

Cut Chemist goes out on a limb with "Spat." Basically a phone call from one turntable to another, the only word for it is bizarre. The sound effects almost sound human, which is probably the point, but kind of disturbing on so many levels.

The only two tracks with vocals (real vocals) are "What's the Altitude" featuring Hymnal and "2266 Cambridge" featuring Thes [sic] One. The rest of the tracks are not really worth mentioning, as they just follow this trend of strange sound effects mixed with uptempo and downtempo beats, in an attempt to evoke sci-fi imagery.

All in all, not a bad CD, but not an outstanding one either, unless maybe you are a die-hard fan of underground turntable music. However, Cut Chemist's music was featured on an Apple 2G I-pod Nano commercial, raising his credibility somewhat. Recommendation: wait for it to make the \$7.99 bin before purchasing.

THE FLIP SIDE

Wasted?

He is amazing at the flute. When he plays, it is like no other sound you've ever heard. Every note is perfect. You'd think he was made out of quartz the way he can keep time. His fingers float above the metal tube, moving swiftly and surely. Sometimes it seems as if they never touch the metallic flaps, yet the music continues to pour out as if from his very soul.

He hasn't been playing that long. He can teach others, but doesn't understand why they can't get it. It is so simple. "Have you practiced?" he asks with a glaring stare. "Yes, for ten hours since Wednesday." Yes, he constantly practiced, but it just came easy. Some get math and some don't. Some can play football, and some can't. Some are able to teach and some can't. He could, so much better than

most, when it came to the flute.

He had to choose an instrument to play in class; he randomly picked the flute. Most of the other instruments had been already chosen. "Why not?" he thought. The music teacher was in awe. He learned so quickly. Never had the music teacher seen someone play so well so fast. Eventually, he could even hear little subtleties in the change of music that the teacher didn't. The parents had to be talked to. They might have a musical genius on their hands, hidden all these years. It was unleashed now, and he could finally reach his full musically gifted potential. How wonderful it was for him. He knew his talent. He knew

his gift. He knew what he should do with his life. His mom called everyone, what bragging rights she finally had, after all these years of being topped by other moms. His Cs didn't seem so bad now. It wasn't his fault. It was probably an effect of having his musical expressions being suppressed for so long.



Jacklyn Duff

Columnist

He played. He practiced. He was told to do concerts. He was told to play at family functions. His parents sat in the front row with a, "That's my kid. That's right, he is ours, and your kid can't do this. Don't you wish he was yours," kind of look. There was an empty shelf; it needed to be filled with awards from musical competitions. Think of all the friends he could make. He was

younger than most, but not all. There were a few other geniuses. There were a lot whose life had become their instrument. The instrument was a companion. They conversed through notes or chords, but not to him. Some awed over different brands. Some polished their's like it was their most prized possession, but not him. He polished when told with broad rough strokes getting the worst of the marks off. They talked about their favorite pieces. He talked about yesterday's football game. When they talked about music, you could hear "it" in their voices- the love, the passion, the dedication. He didn't feel that way.

It is the school talent show. He plays. He is voted most musical in the yearbook. He thought it would be Jim because he played three instruments, but, then again, every-

one knew that Jim couldn't play anything half as well as he could play the flute. At family parties, he played. He and the flute were synonymous. He was asked to play with an orchestra for a C.D. He got a ten second solo. Even though he was one of many that got a solo, the song was played to anyone who entered his home. From then on, he was nicknamed "the music man."

College applications are due. State school here I come. There will be girls, parties, and football. Wait, no, you have to go somewhere for music. You were given a gift and you better use it. You've worked so hard so long to be the best.

He practiced, he played, he taught, he competed and he practiced some more. He was accepted to their first choice school. He got a small scholarship. His parents couldn't believe

that they didn't give him a full ride. They must not have been listening to his audition as well as they should have.

Even though he had seen the amazement on people's faces most of his life after he finished a song, it still made him smile. He was good. He had to admit that. He heard others in this school. He was better than a lot of them. Yet, he had a good amount of catching up to do to plenty of the students. There were many he knew he could never match, but even more he knew would never match him.

It is his third year of college. He sits in his apartment. He looks out the window and wonders: If he didn't go through with it, would it be a waste of a talent? If he did go through with this, would it be a waste of a life?

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- Cessna 172 - \$69/hr**
- Piper Warrior - \$90/hr**
- Piper Arrow - \$105/hr**
- Piper Seneca - \$188/hr**
- King Air 90B - \$500/hr paired**

- All Hourly Prices Are Wet -
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- 5 Hour Block Minimum -

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Touch-N-Go Thursday Night Movie:

Owen Wilson Kate Hudson Matt Dillon Michael Douglas

You, Me and Dupree

Two's company. Dupree's a crowd.



Thursday
8:30pm
IC Auditorium

The Riddle of Life

By Jonathan Mettin
Wildlife at Riddle



SODOKU

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

SIMPLE

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

INTERMEDIATE

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

INTERMEDIATE

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

DIFFICULT

Endangered Species (mammal)



Across

2. Symbol of the wild west. Heaviest land mammal in North America. Also known as American buffalo

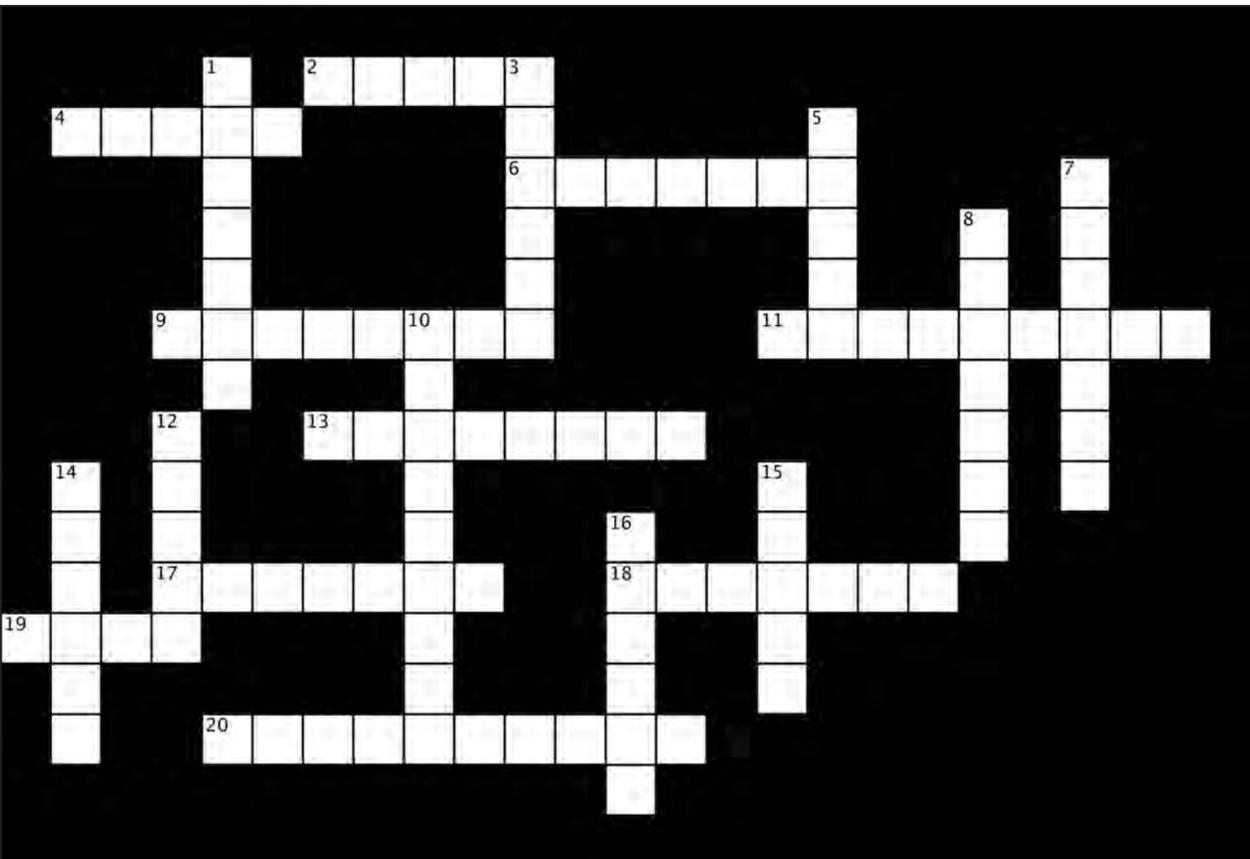
- 4. Largest member of the felid family. It has long, thick reddish coat with a white belly with narrow black, brown or gray stripes.
- 6. Takes residence primarily in Florida's coastal lake waters during winter and north up to Carolinas and west as Louisiana. Well known for its gentle, slow-moving nature. Most have a pattern of scars on their back and tails from collisions with boats.
- 9. Living species of the genus Elephas, found primarily in large parts of India, Sri Lanka, Indochina peninsula and parts of Indonesia.
- 11. Gray-green or olive green with long slender snouts, cousins of alligator.
- 13. A large whale, an adult usually range 40-50 ft. Well known for its breaching, unusually long front fins and its complex song. Lives in oceans and seas around the world and it is regularly sought out by watchers
- 17. Same zoological order as whales. It breathes through a blowhole on the top of their head. It is known for its agility and

- playful behavior like leaping out of water or following ships.
- 18. The fastest land animal in the world, capable of running up to 70 miles per hour. It is slender, long-legged body built for speed.
- 19. Also known as cougar, mountain lion, panther, and catamount. Its fur is beige with white belly. Adults do not have spots. It has very good vision with powerful limbs and can leap as far as 40 ft. Also the name of a popular brand of shoes.
- 20. There are five species, two African and three Asian. Contrary to popular opinion, only small amount of its horns are consumed as an aphrodisiac.

Down

- 1. The rarest and most endangered of all wolves. It is smaller and more slender cousin of the gray wolf. It is gray-black, with a cinnamon cast that gives it the color for which it is named (2 words)
- 3. A colorfully small marsupial, native to western and southern Australia with a finely pointed muzzle and a bushy tail that's about the same size as its body. Old common name is "Banded Anteater."
- 5. Its coats are soft, thick and woolly with long ring-tailed that are colored white and black. They live in southern Madagascar,

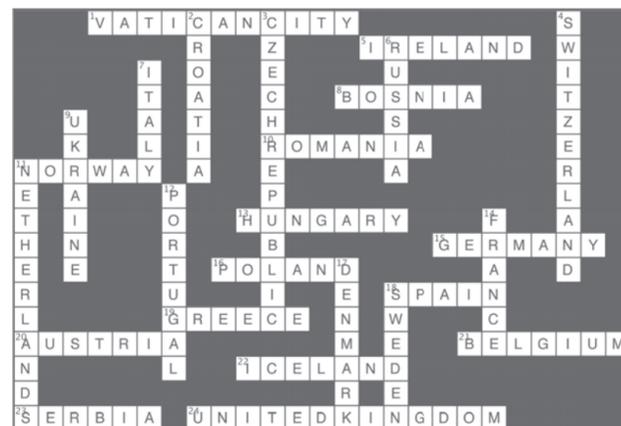
- primarily diurnal. There are no fixed leader in these groups and the female dominate over males.
- 7. Remarkably strong. It has short trunk and a broad chest and shoulders. Males develop a streak of silver hair on their backs. Found in the dense forest of the mountains of East Africa.
- 8. Originally thought to be a hybrid between a lion and a panther. It is the fourth largest big cat in the world and tend to be top predator in areas where bigger competitors do not occur.
- 10. Covered in flexible "armor" consisting of 14 to 17 moveable bands of horn and bone. Nocturnal creatures threatened due to loss of habitat because of human settlement. Common road kill.
- 12. A classified in the bear family, native to central, and southern China. Their main food is bamboo.
- 14. Beautifully spotted fur coat, was once sought-after commodity for the fashion industry. In South. American, their name is said to mean, "carnivore that overcomes prey with a single bound."
- 15. Largest toothed whale. It has gigantic square-shaped head with slender lower jaw. They're dark blue-gray to black in color.
- 16. A nocturnal wildcat of the brush and forests of the southwest United States and Central and South America, having a grayish or yellow coat with black spots. Also known as a "painted leopard."



Submit your completed crossword to our office in SC 110. All correct entries will be entered to win a \$10 gift certificate to Barnes & Nobles Bookstore. Entries are due Friday by 5 p.m. Good luck!

Last Week's Solutions

European Countries



HOUSING / ROOMMATES

2BR/1.5BA Two-Story Condo
2BR/1.5BA, two-story condo completely renovated, over-looking the pool. Immediate occupancy. \$850/month. Call David Byrne @ (386) 566-4169. 480 Reed Canal Road, #20, South Daytona.



Room for Rent
Room for rent available January 2007. Room available to any female. Completely furnished, private bath, share kitchen, washer and dryer. No smoking, drinking or pets allowed. Cost \$350 plus split utilities. \$350 deposit required. References and other info required. Call (386) 679-5893.



Duplex Rentals
2 or 3 Bedrooms, with an Office or Study, New Kitchen, Laundry room w/Washer and Dryer, Private deck w/Hot Tub, Fenced yard. Cable in every room, HBO, 1 mile N. of Halifax Hospital off Mason Ave. All Utilities included. \$1300 per month Call Ron at (386) 235-2700.



Halifax Riverview Cottage
Clean, unfurnished 1-bedroom, full bathroom, and kitchen/living room area available immediately for rent. Private and close to Port Orange Bridge and ocean. No smokers, no pets, and no parties! Rent \$650 per month, includes utilities. Call Tony (770) 664-2778.



Furnished Room for Rent
A furnished room in a quiet Daytona Beach Shores neighborhood. No lease, \$400/month, \$100 deposit. Call Mr. Flynn at (386) 252-1158.

HOUSING / ROOMMATES

Beachside Home/Apartment
One and two bedroom homes available on the beachside, just ten minutes to campus. New tiles, large rooms, walk-in closet, furnished/non-furnished, great location, nice neighborhood. Call Dawn (386) 405-2540.



Apartment for Rent
First floor, 1 bedroom, 1 bath, laundry room. Water included. \$600/month plus gas & electric. \$500 security deposit. No pets. For information call (386) 252-7012 or leave a message.



Apartment for Rent
Daytona Beach Side, 3 blocks from beach. 2 bedrooms, 1 bath, laundry room. Furnished/unfurnished. 2nd floor, private home with separate entrance. \$650/month plus gas & electric. 1 month security deposit. No pets. Call (386) 252-7012 or leave a message.



Roommate Wanted
3 Minutes from Embury Riddle. Serious student/working professional preferred. Furnished room with full closet and house privileges. \$350.00 a month plus deposit. Contact (813) 205-2510.



Furnished Room for Rent
Separate entrance, kitchen, laundry privileges. Cable TV. Share a bathroom with 1 person. Nice neighborhood (South Daytona). Clean and quiet. Only \$420/mo plus \$200 security deposit. (386) 760-3312.

HOUSING / ROOMMATES

Apartment on Intracoastal
Large efficiency for rent in large estate home in Daytona, beachside on Intracoastal waterway. Private entrance, private bath and kitchen, utilities included, \$475.00/month. Call (386) 453-1913.



House to Share
Ormond Beach furnished home and rooms, great location, incl. all utils. No smoking, no pets, \$150/wk. Reduced rate if two rooms. (386) 316-2844.



South Daytona Condo for Rent
2 Bedroom 2 baths, totally renovated. W/D in unit, pool, gym, club house & tennis court included. 4 minutes from University. Rent \$975.00 per month. Call (813) 205-2510.



Legacy at Crystal Lake
Come join us and reside around the sparkling waters of Crystal Lake at Legacy! We are conveniently located only minutes from ERAU and all apartment homes are equipped with washer/dryers, black on black appliances and ceiling fans. Enjoy our resort style pool, business center with internet access or the fitness center featuring Nautilus equipment; pets are also welcome. We look forward to meeting you!



Beachside Apartments
Clean beachside apartments available. 2 bedroom 1 bath, 1 bedroom 1 bath, and 2 bedroom 2 bath. Call Rick at (813) 760-3462.

HOUSING / ROOMMATES

House for Rent
3 bedroom 2.5 bath, furnished or unfurnished, master bedroom largest. Call (386) 316-8149.

SERVICES OFFERED

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International Law & Aviation, LLC, protecting the rights of pilots, mechanics and aviation personnel. Contact us: www.aviationlegal.net, (386) 689-1474. Thomas E. Batchelder Esq., 3040 Mango Tree Dr., Edgewater, FL 32141.



Citation Jet SIC Type Rating
Add a Citation CE500 Second-in-Command Type Rating to your current Commercial Instrument Multiengine Certificate. Fixed price: \$5,995. 20 hrs Ground, 10 hrs Citation Frasca FTD, 1/2 hr in a Citation Jet Airplane. Email checkairmn@cfl.rr.com to obtain info and a class start date. Enroll now and improve your resume for your next pilot position.

EMPLOYMENT

Servers & Cooks Wanted
New restaurant, Long Dogger's! Now hiring. Fun, relaxed work environment. Servers and cooks wanted. Aloha P.O.S Experience preferred, but not required. (864) 313-8408, South Daytona. www.longdoggers.com



Wanted: Customer Service Reps.
Advance America is seeking motivated individuals to fill part-time and full-time customer service positions at their Daytona Beach Location. Call (386) 255-4660 for more information.

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Grad students: are you in need of some extra cash really fast just for spreading the word? Student Funding Services is looking for highly motivated students that can spread the word about federal/private loan originations and consolidations. Upfront you will receive a sign-on bonus for \$350 just to distribute flyers create e-mail blasts etc. We will ship everything to you that you will need to get started and/or personally deliver it you. Call now to find out more. Student Funding Services (800) 449-8680 ask for Keira Henry @ ext.# 173. We have students making \$1,000+ per month just to refer eligible applicants to our office. This is not a joke call to find out more!

MISCELLANEOUS

Entertainment Center & More
Oak Entertainment Center, (36.5" W X 28"H X 20"D) w/storage, \$50. 5.5" GE Spacemaker TV/Radio, \$15. Sears 40 pint automatic dehumidifier, \$20. Visioneer One Touch Scanner, \$20. (386) 663-7475.



New Book on Flying Available
Sky Masterson's "Pilots of the Line, on being an airline pilot before and since 9-11-2001," will be available at the Daytona Beach Barnes and Noble bookstore after October 10, 2006. Reserve your copy today! Don't waste your time with any other book on something as important as your flying future!

MISCELLANEOUS

3 Piece Sofa Set
3 piece sofa set. The couch is 90" long 41" deep 30" high. The oversized chair is 57" x 41" x 30" and the ottoman is 24" x 49" x 17". It is beige patterned and has walnut wooden feet. Asking \$300 for the set, OBO. Call Kim (386) 341-9000.



TV for Sale
20 inch TV for sale. Only \$20. Clear picture & sound. (203) 520-8743.



Dorm Refrigerator
1.7 cubic ft capacity. Works good. \$30. Contact Doug, curld2f@erau.edu



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Poker Before the Game

TUESDAY - LADIES NIGHT
Ladies Drink FREE 10pm-Close

WEDNESDAY - AVIATOR'S NIGHT
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THURSDAY - COLLEGE NIGHT

FRIDAY - MIKE MAKEPEACE LIVE

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- + Robbery - Burglary - Theft +
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The hiring of a lawyer is an important decision that should not be based solely upon advertisements. Before you decide, ask us to send you free written information about our qualifications & experience.



10 HOUR BLOCK TIME

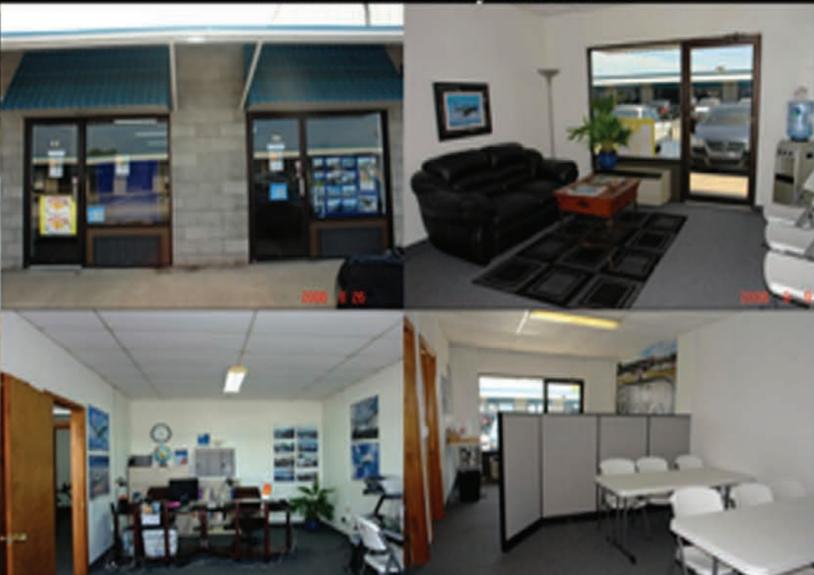
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C-172P.....	\$750
C-172Q.....	\$800
C-172R.....	\$820
C-172SP.....	\$920
SYMPHONY 160.....	\$870
GOLF CART RIDE.....	\$FREE!!

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