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Students rally for vote on West Lawn

Hundreds turn out to protest students, faculty being removed

Jonathan Mettin
Editor-in-Chief

Over 1,500 students came out for Friday's Rock Out Rally, which was sponsored by the Student Government Association (SGA).

The crowd gathered to protest the student and faculty representatives being kicked off the University's Board of Trustees. Currently, a faculty representative from each of the three campuses as well as the two SGA presidents - Daytona Beach's Sara McCook and Prescott's Nikki Turner - sit on the Board as full voting members.

If the Board approves the proposed bylaw amendments, those five representatives would have their voting privileges taken away. Some members of the Board believe it is a conflict of interest for the students and faculty to sit on the 31-member panel, while the students and faculty

“Voice and vote! Voice and vote! Let them hear you in Spruance Hall!”

- MATTHEW CRUMRINE

The crowd was a mixture of people who came out to support the cause and students who came for the freebies.

“I got a free t-shirt and got to skip class,” said one student in a line for food. He said he was under the impression it was a walk-out. While some early flyers had used the term “walkout” and encouraged students to skip class, the SGA had since retracted those flyers in favor of encouraging students to participate without using the terms “walkout” or “skip class.”

A few students showed up with a sign that read “We support the Board of Trustees.” After being heckled by students on the West Lawn, they took up a position on the second floor landing of the Student Center.

Student representative and rally organizer Tiffany Fine came up to question Zig Dabrowski and Michael Leddermann about their opinions at one point.

After several minutes of arguing, Fine said, “Maybe you just aren't informed.”

“Well whose fault is that?” Leddermann shot back.

Dabrowski made it clear that he supported the right of the students to rally.

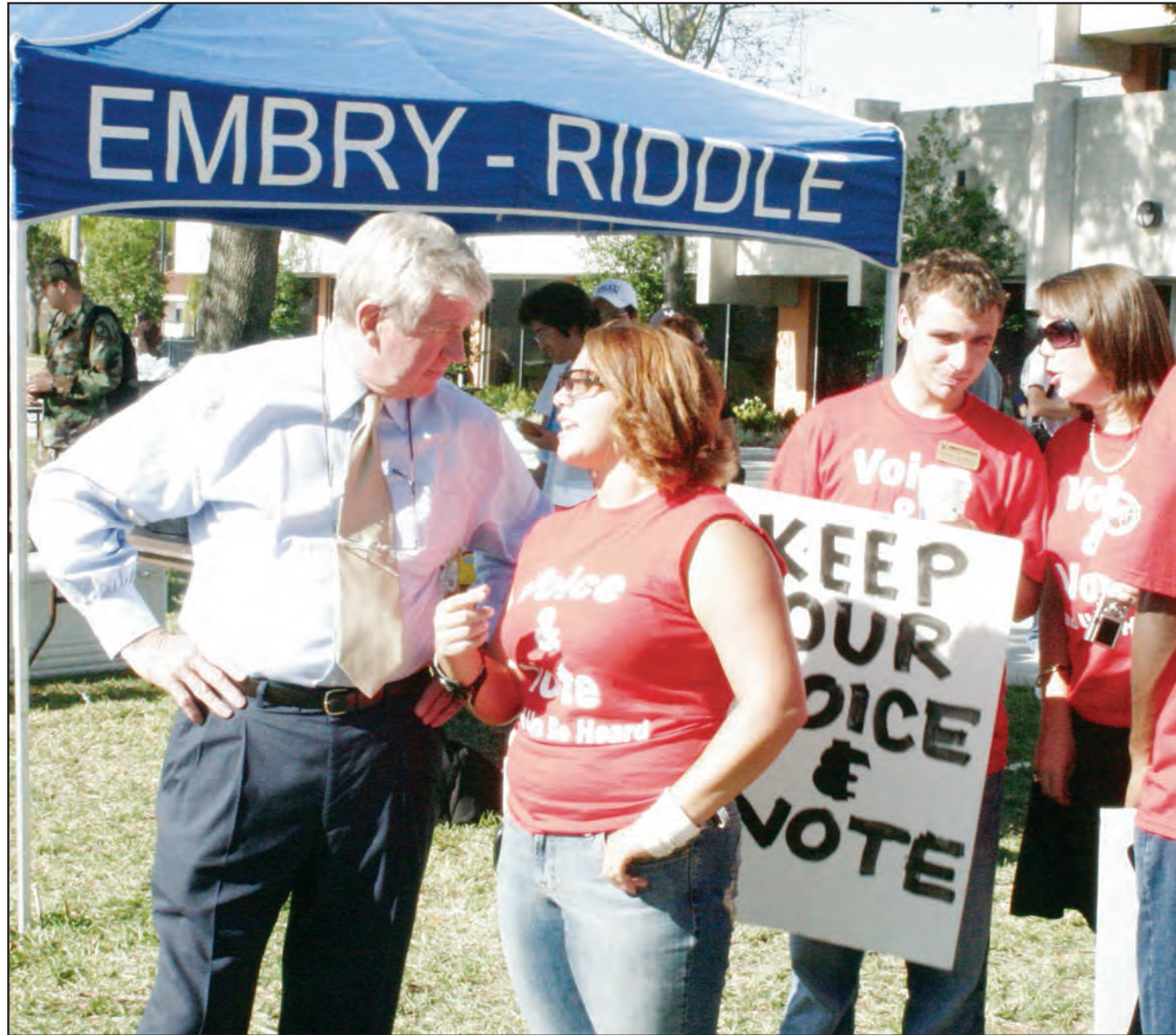
“They want their voice to be heard. That's great,” he said. “Why are ours being suppressed?”

Daytona Beach mayoral candidate Mike Shallow spoke at the rally, and while he promised to back the students should he be elected, he blasted them for not using their right to vote. After stressing the importance of a vote, Shallow went on to say that only one Embry-Riddle student had voted in the mayoral primaries before encouraging them to vote in today's election.

McCook took the stage and said, “It's not just my vote that's getting eliminated: it's our vote.”

McCook also called out Embry-Riddle President Dr. George Ebbs, saying he is against the student and faculty voting rights

Please see “RALLY” page A2



CHRIS TEZAK/AVION

EMBRY-RIDDLE PRESIDENT GEORGE Ebbs speaks with student representative and rally organizer Tiffany Fine at the Rock Out Rally on Friday while SGA Vice President Brian Gambino and President Sara McCook talk in the background.

Hizak upsets top seed at NCAA championship

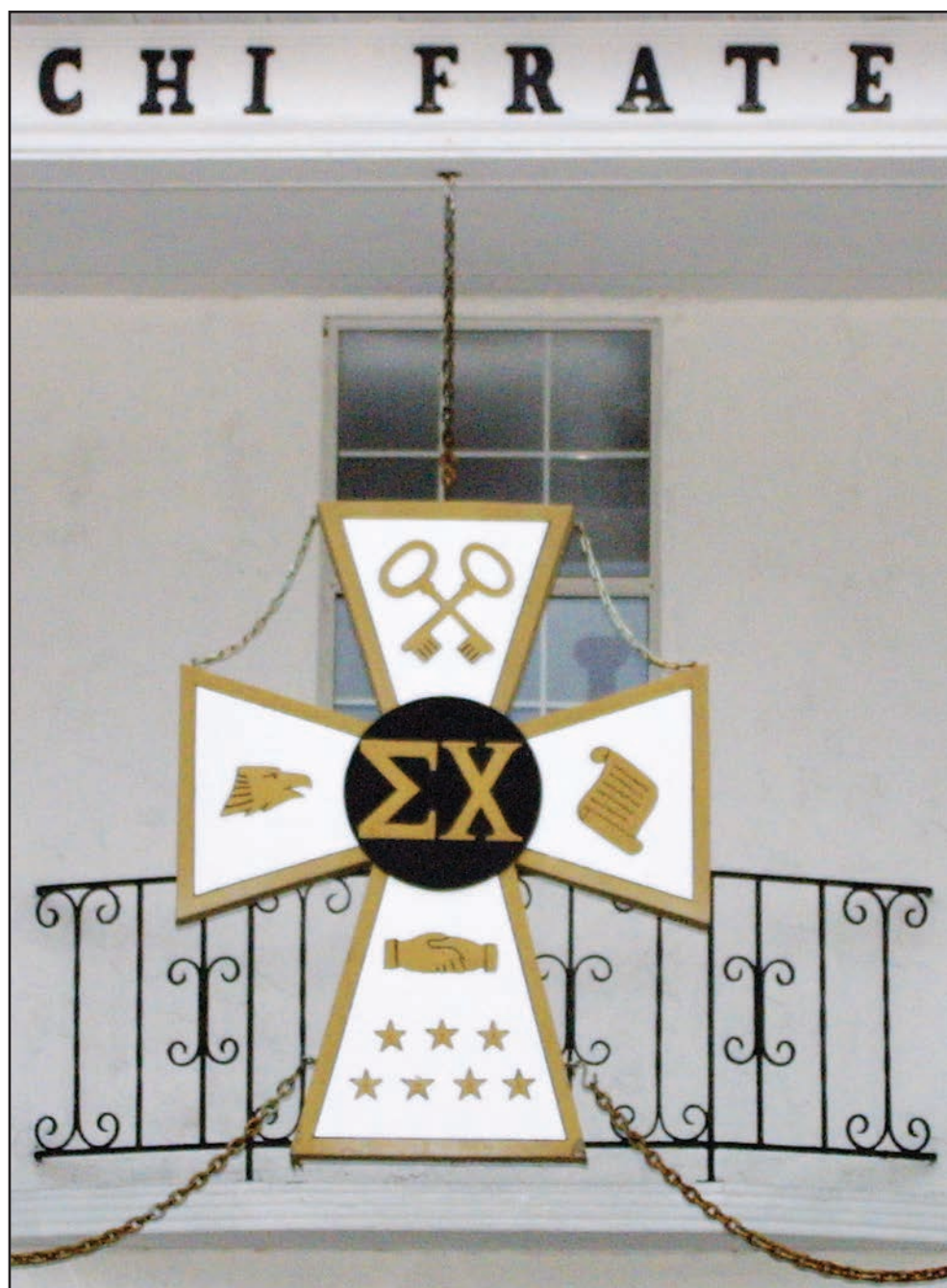


FILE PHOTO/AVION

SOPHOMORE MISLAV HIZAK DEFEATED Ryler DeHeart at the NCAA Division I ITA Men's Singles Indoor Championship. DeHeart was the top-seeded player and the defending champion. He lost in the quarterfinals.

Victim was SAE alumnus

Jonathan Mettin
Editor-in-Chief



ANTHONY RUDITSER/AVION

OWEN THIESSEN WAS STABBED with a kitchen knife at a Sigma Chi party in the early morning of Oct. 29. He was taken to Halifax Medical Center and released later that day. Police are still looking for suspects. Sigma Chi had no comment at press time.

Owen Thiessen, 26, was stabbed at the Sigma Chi fraternity house early Saturday morning. According to the police report, Thiessen, an alumni of the Sigma Alpha Epsilon fraternity, was taken to Halifax Medical Center and released later that day.

Police were called to the scene at approximately 3 a.m. Saturday morning to respond to reports of a fight. Upon arriving at the house, located at 520 S. Ridgewood Ave., officers found Thiessen bleeding from an abdominal wound.

Thiessen said he was standing in the main hallway of the house when a white male with a military haircut walked up to him and stabbed him with a kitchen knife. Thiessen reported that the man who stabbed him was approximately 5' 8" and 180 pounds and was wearing an orange shirt. Several witnesses claimed that the only people wearing orange shirts at the party, which police say was attended by 450-500 people, were the Sigma Chi brothers and pledges. As of Thursday night no suspects had been officially named, but the investigation was ongoing.

Thiessen began to fill out a report was unable to complete it due to his injuries and intoxication. He did state he would press charges. Aggravated battery with a knife or cutting instrument is a felony.

George Hicks was at the party when the stabbing occurred.

“One of the [Sigma Chi] brothers cut the music,” he said. “He comes up and says, ‘Hey man, we’ve got a problem. Somebody just got stabbed.’ ... They turn on the lights, cut the music and rush everyone out of the room.”

While this was going on, one of Hicks's friends called him from outside saying police cars were beginning to show up in droves.

“He said, ‘Get out now! The police are here, they’ve got their tazers out and somebody just got zapped.’”

The police report makes no mention of tazers, and several sorority women who

Please see “STABBING” page A2

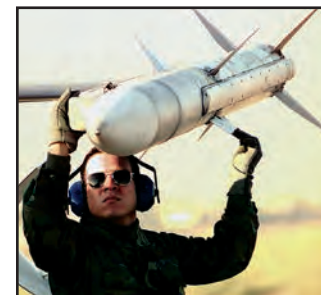
Soccer finishes with best-ever record, #6 rank

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Students have plenty to say about the Rock Out Rally

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By students, for students.

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Trespasser caught on tarmac



JONATHAN METTIN/AVION

OFFICIALS APPREHENDED AN UNAUTHORIZED person on the flight line on Oct. 27. The male could not produce any identification and was taken into police custody. It is unclear how he gained access to the restricted area.

Heather Owen

Aeronautica Editor

A flight line gate was breached by a man Oct. 27 according to a release on the flight line's website. The Daytona Beach Police Department, TSA, Airport Operations, Campus Safety, Flight Safety and Security

responded to the call.

Daytona Beach Police spotted the man, whose name has not yet been released, stumbling around the flight line and approached him to investigate. When the man could produce no form of ID, the police took him into custody.

The man gave two different accounts of how he entered the

flight line. He said he had followed someone in through Gate 53 in one account, but then said someone had let him in.

"The question asked of us was how did he get in?" said Grant Brophy, director of Flight Safety and Security.

"Our first reaction was he came through the gate like he said, but we don't have any scientific evidence."

Brophy said someone working SkyFest could have let the man in, but doubts airport personnel would have let him in without identification. Flight operations were closed Friday and all instructors were in a FAA meeting.

Officials confiscated a small digital camera, but it is unknown what pictures it contained.

“RALLY” from Front

on the Board.

SGA Vice President Brian Gambino followed her, thanking the students for showing up and encouraging them to sign the petitions they had created for the issue. By the end of the day, 1,669 signatures had been collected, according to McCook.

Ebbs put in an appearance near the end of the rally and spoke to

Fine, Gambino and McCook. Ebbs said that he thought the rally was great, but that he thinks having the students and faculty as voting members is a conflict of interests.

While he was speaking to Fine, students held picket signs around him. Many mentioned the employee creed, which repeatedly states that the student is the most important part of the University.

The Board of Trustees is set to vote on the issue on Saturday at their meeting in Prescott.

Discussing UAVs

Brian Case

Business Manager

Embry-Riddle hosted the first Conference on the Commercialization of Unmanned Aviation last week. The event took place last Monday through Wednesday in the College of Aviation.

Last week's conference was an invitation only event, bringing together about 40 industry heads. Representatives from academic institutions met with companies to discuss the future of this emerging technology.

The event kicked off with a Presidential welcome, then dove into the technological aspects of UAV flight, as well as training standards for UAV pilots. Over the course of the next three days, seminars focused on the human factors of UAV flight, how commercial UAVs fit into the current national airspace system, and what future commercial applications they have.

Over recent years, the use of Unmanned Aerial Vehicles (UAVs) has found wide acceptance in the military. The Predator drone is the best known military example of a UAV. The Predator is being used currently by the U.S. Air Force in military operations abroad. The drone can be used for reconnaissance, surveillance and target selection. It can also carry two air-to-ground missiles.

Unmanned vehicles have potential to be used where manned vehicles cannot. One example is atmospheric sampling. UAVs, in the form of weather balloons, have been around for decades to aid weather forecasters. The Department of Homeland Security has purchased UAVs to take air samples in the event of a

biological or nuclear attack.

Commercial applications for UAVs are numerous, and many vehicles are already in production. At the conference, members stepped out for a demonstration of just how versatile a UAV can be. A blimp, equipped with a tiny camera, took off and went spying into professor's offices. Such a device could be used to conduct private investigation work.

In addition to going where no human can go, UAVs can offer cost savings. A realtor looking to get aerial photos of a property might turn to a UAV. They offer cost savings over a manned aircraft since they are lighter and can be launched on site, and they can fly at lower altitudes.

One lingering question is how well UAVs will share the skies with conventional aircraft. Currently the Federal Aviation Administration requires UAV flights to obtain a certificate of authorization before each flight. The FAA then requires ground monitoring or a chase aircraft during the duration of the flight.

The current FAA rules have the potential to undo many of the benefits UAVs can provide. New rules, described by the FAA as a "work in progress," aim to make the process less restrictive, while still keeping the highest levels of safety.

“STABBING” from Front

were at the party would not go on record, but said that while the tazers were pulled out, they were never used. They would not comment on any other matters pertaining to the party.

The Avion has contacted Sigma Chi President Paul Smith for comment. Smith said he was unable to comment on the matter.

Police were called to the scene less than half an hour before to respond to call about a car break-in of a red Blazer parked behind the house. The same officer who responded to that call was the one who first encountered Thiessen after he was stabbed. It is unclear at this time if the two incidents were related.

Aaron Clevenger, the Assistant Director of Student Activities who oversees Greek life, could not comment on specifics, but said that he would release a brief statement soon about the investigation.

Detective J.J. Warren of the Daytona Beach Police Department's Criminal Investigations Division encouraged anyone with specific information about the incident or about any suspects should contact the police.

Attention Avion Readers!

As you all know, Embry-Riddle Aeronautical University has two residential campuses. One is located here in Daytona Beach, the other is located in Prescott, Arizona. Both campuses also play host to award-winning newspapers: *The Avion* has been named best in Florida four out of the past five years, while Prescott's *Horizons* won second place at last year's Associated Collegiate Press national conference for non-weekly, non-daily newspapers.

Recently, we, the Editors-in-Chief of both newspapers, have discussed creating an exchange program between the newspapers. We felt it would be beneficial for students to be able to read all news that affects Embry-Riddle, regardless of which paper wrote it.

We are pleased to announce that, effective immediately, *Horizons* and *The Avion* have established an inter-campus syndication. An article by an *Avion* staff writer will be appearing in Friday's edition of *Horizons*, while next Tuesday's *Avion* will feature an article penned by a reporter from *Horizons*.

We hope that, by working together, we can bring you more and better news as well as giving you a glimpse at what is going on at your sister campus.

J. Michael Hamann *Jonathan Mettin*
Horizons Editor-in-Chief Avion Editor-in-Chief



WWII bombers to visit campus



PHOTO COURTESY THE COLLINGS FOUNDATION

A B-24 LIBERATOR AND A B-17 Flying Fortress will be displayed at Daytona Beach International Airport from Nov. 9 to Nov. 11 at SheltAir Aviation Services as part of the Wings of Freedom Tour. Embry-Riddle students will be able to go inside the bombers for a \$1 donation with an Eagle Card.

Syria agrees to assist in U.N. investigation

Curtis Ewbank
Copy Editor

Syria has agreed to cooperate in a U.N. investigation into the death of former Lebanese Prime Minister Rafik Hariri.

The head of the U.N. inquiry, Detlev Mehlis, issued an interim report that implicated Syrian and pro-Syrian Lebanese officials in the case. He also accused top Syrian officials of obstructing the investigation. This accusation prompted a resolution by the U.N. Security Council, ordering Syria to comply with the investigation. The resolution was backed by the U.S., the U.K., and France. It was unanimously approved by the Security Council after plans for sanctions against Syria for failure to comply were dropped, as Russia and China refused to approve a resolution with plans for sanctions. After the resolution passed, U.S. Secretary of State Condoleezza Rice told the council, "With our decision today, we show that Syria has isolated itself from the

international community through its false statements, its support for terrorism, its interference in the affairs of its neighbors and its destabilizing behavior in the Middle East." U.K. Foreign Secretary Jack Straw said, "Failure to cooperate fully and now will oblige us to consider further actions to ensure that the Security Council... can play its part in the Lebanese government's determination to see justice done."

Syria responded to the vote by stating it had complied with the U.N. investigation. Syrian Foreign Minister Farouq al-Sharaa criticized the investigation by saying Mehlis had accused Syria without due process. Al-Sharaa said, "It is clear for any person who has followed this issue throughout that Syria's cooperation was complete. I repeat: complete."



On Nov. 1, one day after the resolution passed, Syria agreed to allow two relatives of the Syrian president to be interviewed, Maher al-Assad, the president's brother and leader of the presidential guard, and Asif Shawkat, the president's brother-in-law and military intelligence chief. The two men were implicated in an early version of the report issued by Mehlis but were never interviewed. Syria claims never requested

Mehlis never requested to speak to the two men prior to the U.N. resolution. Rafik Hariri was killed by a car bomb in Beirut in February of this year. He is widely believed to have been assassinated by Syria. As a result, Syria was forced to withdraw the troops it was keeping in Lebanon.

Bush administration plans on fighting avian influenza

Michael McGraw
Staff Reporter

A \$7.1 billion strategy to fight a possible flu epidemic was outlined by the Bush Administration this past week. By 2010, the plan calls for an overhaul of the vaccine industry so that every American could be inoculated within six months of an outbreak.

The Bush plan stresses that early detection of a pandemic is the "first line of defense." This includes monitoring hotspots for flu outbreaks, which includes parts of Asia, and insisting that countries admit when flu outbreaks occur within their borders.

The new plan comes in response to

the spread of the deadly H5N1 strain of the bird flu, which surfaced in Asia in later 1990s. The latest outbreak began in 2003, and has so far killed 62 people throughout Asia.

The flu has been detected across Asia, and Eastern European countries are also beginning to discover the disease among birds within their borders. Recently, a parrot in England was found to have died from the same strain.

Some key points of the plan include \$1.2 billion to stockpile enough vaccine against the H5N1 strain to protect 20 million Americans, and \$1 billion for the drugs Tamiflu and Relenza, which can treat and prevent flu infection. Another \$2.8 billion will be used for research towards speedier manufacturing

of pandemic vaccines.

On somewhat smaller scales, \$251 million is earmarked for international preparations, including an early-warning system to spot human infections of new flu strains.

About \$100 million will be used for preparation and delivery of vaccines to the states, who have also been asked to purchase and stockpile their own medicines, which some have estimated could cost up to \$510 million total. Another \$56 million will allow for testing of poultry and wild birds for new flu strains.

The plan also calls on Congress to pass liability protection for makers of pandemic vaccines.

Such a vaccine will be largely experimental and untested, unlike regular shots for the typical flu.

Taxiing planes tie up Orlando highway traffic

Kevin Mock

Guest Reporter

Two vehicles travelling along Orlando roads early last Monday morning were far from typical automobiles. To the shock of some late night travelers, a traffic jam was forming behind two unique vehicles being escorted by police cars. These vehicles were not just special cars and trucks, they were airplanes.

Sometime early Monday morning, these two planes set off from Orlando International Airport to make a four-hour journey across town to the Orange County Convention Center. Some roads signs were taken down along the way to prevent damage to the aircrafts. Orange County Sheriff's

deputies escorted the planes and ensured that no vehicles collided with them.

The planes arrived safely to the Orange County Convention Center in anticipation for the 58th annual National Business Aviation Association Meeting and Convention scheduled for November 9, 10 and 11.

However, this was only obtained through the efforts of local officials. "We worked with the county getting permits and the airport authority getting in and out of the airport. And, of course, the sheriff and local police departments have been marvelous. You saw the on the way, keeping traffic and just making sure nobody

plowed into the airplanes," Katrina Bradshaw, spokeswoman for the Experimental Aircraft Association, told WFTV 9.

In the wake of Hurricane Katrina, The National Business Aviation Association Convention was moved from its originally scheduled location in New Orleans to Orlando for the year 2005.

The National Business Aviation Association expects an excellent turnout with over 1,000 exhibitor companies, and over 75 aircraft on static display.

Special guests for the event include famous pilots, Scott Crossfield and Bob Hoover, and astronaut Gene Cernan.



Electrocution kills Texan pastor during baptism

Incident will not stop immersive baptism

Charlene Valerio
Comics Editor

Reverend Kyle Lake was electrocuted while performing a baptism in the University Baptist Church.

Lake was waist-high in water when he attempted to adjust a nearby microphone which sent him the fatal electric shock.

Doctors who were part of the Sunday service rushed to pull him out of the water and save him.

Lake however was pronounced dead shortly after reaching the hospital. The woman whom Lake was baptizing was not injured.

Approximately 800 people were part of the service, which was a larger crowd than normal because it was homecoming weekend for a nearby University.

"It happened so fast; no one knew what was going on," said Sam Larson, a witness to the event. "It was horrible. Kyle was a guy who loved everybody; he didn't care who you were. And everybody who met him loved him."

Some at the service believe that the cause of death was Lake adjusting the microphone, while

others claim that a piece of equipment fell into the water.

Detectives examined the church's electrical system, microphones and band equipment on Monday.

Since the news of Lake's death, Baptist pastors all around are making sure that the ceremony practices are safe.

David Hardage, the executive director of the Waco Baptist Association, says that the tragic event will not end the tradition of submerging someone during a baptism. Submerging someone in water symbolizes the spiritual washing away of sin.

Lake's funeral service is planned for Tuesday at Waco's First Baptist Church.

"It happened so fast; no one knew what was going on... It was horrible."

- SAM LARSON

World News Briefs

National gas prices fall in a month

The average price of gas has fallen 23.3 cents over the past two weeks. The national average for a gallon of regular unleaded gas was \$2.4257 on Nov. 4, down 48.6 cents since Oct. 7. Experts say drastic drops are unlikely to continue.

Pirates attack off the coast of Somalia

On Saturday an American cruise liner was attacked by pirates off the coast of Somalia. Three pirates fired two rockets at the boats, as well as showered it in a spray of bullets. One crew member was injured by shrapnel.

The liner attempted to ram one of the boats, then escaped by shifting into a high speed. It is suspected that the group was the same that hijacked a U.N. ship bringing food to the war-ravaged country.

U.S. Treasury Secretary visits India

U.S. Treasury Secretary John Snow arrived in India on Sunday to begin a five-day tour of the country. He is seeking stronger trade ties and more cooperation on economic issues. India and the U.S. reached an agreement in July to share civilian nuclear technology, and to work together in several fields, including agriculture.

Say goodbye to Vanilla Coke, America

Coca-Cola Co., the world's largest soft drink maker, has announced that it will phase out Vanilla Coke in America by the end of the year. While Diet Coke with Lemon and Vanilla Diet Coke are also on the chopping block, Coca-Cola will introduce Black Cherry Vanilla Coke in regular and diet varieties in January.

EU confident in China's environmental improvement

The European Union's Environment Commissioner Stavos Dimas is confident that China will improve its environmental conditions. Seeing as China is a developing country, it is therefore exempt from Kyoto Treaty regulations. It is, however, expected to surpass the United States in greenhouse emissions in a few years. China has been researching wind power, and has ordered some factories to reduce sulfur dioxide emissions by 46 percent. Dimas spoke of a conference on renewable energy to be held in Beijing starting Monday.

Glued man sues Home Depot

A Colorado man is suing Home Depot after he was glued to a toilet seat in 2003. Bob Dougherty, 57, said the incident has caused post-traumatic stress, which he claims triggered diabetes and heart complications.

Baltimore children suffer from bee stings

Almost four dozen children from a Baltimore-area school were stung by bees after a child disturbed a nest. Two of the 47 second-grade children suffered mild allergic reactions. Forty were taken to the hospital.

Guatemala's top anti-narcotics investigator to resign

Guatemala's top anti-narcotics investigator, Adan Castillo, has announced he plans to retire in December, after only six months on the job. He steps down amid threats from a powerful forming drug cartel capable of challenging Guatemalan anti-drug capabilities.

Atmospheric activity spawns UFO sightings

Reports of UFOs have increased dramatically this past week. NASA said that "fireballs" have been reported elsewhere in the world, and are most likely because the Earth is passing through a field of space debris.

French teens fry, incident leads to riots

France continues to burn as rioters clash with riot police in Paris and other cities. Over 1,300 vehicles were burned in a single night, and 10 riot officers injured in the city of Grigny, where 300 youths fired at them with hunting rifles. The riots started after two teenagers were electrocuted while being chased by police.

U.S. official in Sudan on peace mission.

U.S. Deputy of Secretary of State Robert Zoellick has travelled to Sudan and Kenya to assist Sudanese rebel leaders and the government in reaching a peace agreement to end genocide in Darfur.

Tens of thousands of people have been killed since non-Arab rebels took up arms in 2003. They accuse the Arab-dominated government of marginalizing Darfur. This will be Zoellick's fourth trip to Sudan since April.

Cow rumor leads to deaths in northern India

A rumor was responsible for the death of three Muslims, and the injuries of more than 40 in India. Cows, which are holy Hindu symbols, were rumored to have been slaughtered by Muslims. The cows were supposedly killed in correlation with Eid-al-Fitr, a festival which marks the end of the Islamic holy month of Ramadan.

Wal-Mart pricing strategy helps lower national inflation

Wal-Mart's "rock bottom" pricing strategy has translated into lower inflation for the United States, according to a survey commissioned by the retail giant.

Global Insight has concluded that Wal-Mart saved consumers \$263 billion between 1985 and 2004, or about \$900 a person.

Americas summit poses roadblock to Free Trade Agreement

The Americas Summit is currently a roadblock to the creation of the Free Trade Agreement of the Americas. Mexican president, Vicente Fox led a group of 29 nations to push for high-level talks as early as last April. The trade zone would surpass the European Union in size and scope. The issue of a free trade agreement has been tossed around since it was first brought up at the 1994 Summit of the Americas. Polarizing debates inside the summit are accompanied by violent protests outside its doors. Many workers believe the liberalization of trade is designed to exploit workers in the developing world.

Australia warns Indonesia of possible terrorist attacks

Australia claims it has credible evidence that terrorists are in the advanced stages of planning a terrorist attack in Indonesia. It has warned its citizens against traveling to Indonesia. Hotels, schools, shopping centers, restaurants, bars embassies and other areas where Westerners tend to gather were listed as possible targets.

Special thanks to the Copy Editors and to the Editor-in-Chief for their contributions in summarizing these news stories.

Midwestern states struck by tornado

Bob Scheid
News Editor

A tornado destroyed areas of Kentucky and Indiana early Sunday morning, killing 22 in Indiana and injuring more than 200.

The tornado hit a group of mobile homes at about 2 a.m., and winds definitely exceeded 150 miles per hour. Some estimates rated the speed of the winds at over 200 miles per hour. It was officially classified as an F3 on the Fujita scale, making it a moderately strong tornado.

Only one tornado touched down, according to a weather service meteorologist in Kentucky, and though more were possible, none were recorded by sensing equipment.

Rescuers arrived at some of the trailer parks only a few minutes after they were struck. Children and parents were seen wandering the area of the trailer park, looking for each other. Aluminum siding and furniture were strewn everywhere. The damage path was between 15 and 20 miles wide, cutting through Vanderburgh and Warrick counties

in Indiana. The death toll included a family in Degonia Springs, Ind., where a woman eight months pregnant and her husband were killed. A teenage girl in Boonville was killed as well, and her father was critically injured.

CNN reported that sirens were activated before the tornadoes hit the trailer parks, but were not heard because most of the citizens were asleep. Many of the survivors said they had survived because relatives called them or they heard the warnings on the radio.

The National Weather Service had posted severe thunderstorm warnings for a storm system moving through northern Ohio, but no major warnings were in effect for the areas devastated by the tornado.

At press time, more than 25,000 homes were still without power, and natural gas leaks had been reported to utilities companies.

Homeland Security spokeswoman Pam Bright said that this was the deadliest tornado in Indiana in the past 30 years.

In 1974, an outbreak of tornadoes killed 47, and destroyed more than 2,000 homes.



PHOTO COURTESY WWW.NOAA.GOV

DESTROYING AREAS OF KENTUCKY and Indiana early Sunday morning, a tornado killed 22 people and injured more than 200. At press time more than 25,000 homes were left without power.

Stand Up!

That was no protest

This column is a commentary on all things political and governmental. The political aspect can expand all the way to our campus. Friday was the Rock Out Rally, which was organized to protest a Board of Trustees resolution to approve new by-laws. Why are these new by-laws a problem you ask? Well, those by-laws would take voting powers away from the student and faculty members.

Now do not get me wrong, I am all for trying to keep those seats on the board. The problem I have is with the way the opposition to the resolution has been conducted. Last minute preparations and overall confusion about what is actually going on have caused problems. The rally, on how we need to take a stand and have a voice heard, was wasted when the moment came.

I hope the leaders of the student body have some more ideas for what can be done for the students to be heard. I fear it may be too late, but I hope it is not.

The vote is this Saturday, so students of Embry-Riddle I ask you, Stand Up for your place on the Board of Trustees.

Email addresses for the President, Chancellor, and Associate Chancellor can be found in the online version of Stand Up at www.avionnewspaper.com.

him. In fact, I saw people, with picket signs in hand, shaking his hand. Now I am all for being cordial and political, but what was the point of this rally?

Was this rally coordinated because more diplomatic means had been exhausted? Because we as students needed to be more aggressive? The perfect opportunity for the voice of the students to be heard, in all its power and fury, was wasted on cordiality and whispers. I think it is ridiculous that all this fiery rhetoric during the week leading up to the

rally, on how we need to take a stand and have a voice heard, was wasted when the moment came. I hope the leaders of the student body have some more ideas for what can be done for the students to be heard. I fear it may be too late, but I hope it is not.

The vote is this Saturday, so students of Embry-Riddle I ask you, Stand Up for your place on the Board of Trustees. Email addresses for the President, Chancellor, and Associate Chancellor can be found in the online version of Stand Up at www.avionnewspaper.com.

President Ebbs, Chancellor Price, Associate Chancellor Watret, and tell them what you think. We as students have a responsibility to protect our interests. If anyone of you has ever said that I do not like this school, for one reason or another, here is your chance to do something about it.



Chris Tezak

Columnist

“ In fact, I saw people, picket signs in hand, shaking [Ebbs’s] hand. ”

- CHRIS TEZAK

“ The perfect opportunity ... was wasted on cordiality and whispers. ”

- CHRIS TEZAK

Rally lost sight of real issues

First let me say that I am completely unapologetic for what I am about to write, my opinions are my own and you are entitled to your own opinion, however I believe that this needs to be said and it is coming out like that.

“The Rally that Rocks” staged this past Friday was originally based around a just cause, protecting the rights of the students and faculty of ERAU to have voice on the Board of Trustees, however through the week I watched the idea become twisted so that it only vaguely related to the original point of the rally. The twisting of the issue occurred when, naturally, tuition was brought up.

There were a lot of wild accusations flying around which, frankly really pissed me off. If you really want to know the reason for the 33% tuition raise which occurred between the Spring 2001 and Fall 2001 semester, and the subsequent tuition raises, you need the facts aside from just some random percentage that someone throws at you, well here are the actual facts of the matter.

For the last 10 years, ERAU has actually been financially in the black, meaning turning a profit, for only three years, 2005, 2004, and 1995. That means ERAU was losing money in the 2003, 2002, 2001, 2000, 1999, 1998, 1997, and 1996 fiscal years. Now although you may be saying “So what if they were losing money, they should have done (fill in the blank here) to reduce the

amount of money they were spending” that is very ignorant.

The reason I say this is because in order to spend less money ERAU would need to cut a lot of programs they spend money on and many of you cherish greatly. They could have cut the scholarship program at this school and saved millions of dollars. ERAU could have cut back on the institutional support and the student services and saved tens of millions of dollars, but then each and every one of you would be complaining that the campus doesn’t look pretty because the landscaping would have been cut back, the internet is slow because they didn’t install and upgrade the network infrastructure, and that our food is crappy because they decided that we could use army surplus food to save a couple of thousand dollars.

I know the examples are rather extreme circumstances but you cannot make everyone happy here. Frankly I rather like eating food that wasn’t freeze dried, I like the campus improvements since it is more aesthetically pleasing to look at now, I do enjoy actually being able to use Blackboard, unlike the small disaster that occurred during my freshman year, and I like getting money from the school to help take away some of the financial burden that needs to be endured to actually get a degree here.

Finally what that rally should have really been about is that we the students will no longer have

the ability to voice our opinions to the people who actually make decisions here at this university. Tuition is only one of the issues that we can voice our opinions on, others like, “our club is under-funded could we appropriate more money to them so that they can actually accomplish something”, or “does McKay really need to be torn down and another village built in its place?” There are plenty of other issues aside from just tuition increasing which need the opinions of concerned students

and faculty here at ERAU. I would personally like to see the salary of our professors be raised a bit, maybe that would make some of them less bitter ...

I know money is important to anyone who is putting themselves through college however once again I must reiterate that a business can only run for so long losing money before it collapses and then none of us would be able to pursue schooling here.

~Timothy Hatcher



THE RALLY STARTED OFF as a good idea, according to Timothy Hatcher, but instead threw wild accusations around.

EOT’s decision made far too late

Will somebody please explain to me when to expect a tornado? Yes, foul weather is an indication of possible tornados, but all tornados happen unexpectedly and are extremely unpredictable. That statement is a given when speaking of tornados.

The Emergency Operations Team (EOT), in my opinion, made a very poor decision about the “perfect” timing of cancelling classes on that rainy, windy Monday morning. They cite “unexpected tornados” as the reason for the late cancellation of classes, but I do not accept that as good excuse for the cancellation.

As we all know, there were many students, including myself, who did not receive the information classes were cancelled until it was too late. I was one of the many disgruntled students who did not receive the e-mail until after I returned home from the

30-minute trek I make to school and back every day, on I-4 for that matter. I could not believe that the administration would even consider having school. The drive that morning by dedicated students, and faculty for that matter, was dangerous and uncalled for. Many faculty and students were driving that morning because they were simply unaware the day was cancelled. The decision was made well after we all left our homes to trek to the school.

We all agree that could have been avoided by making more timely decisions in matters that deal with minor hurricane winds. Although nothing compared to Hurricane Katrina, the brush we had with Wilma was surely not a safe and ideal one. I find it shock-

ing that the EOT explained its late cancellation of classes as an “unexpected tornado” led to the decision. The last time I checked, hurricanes are notorious for spurring tornados off at any given moment! As of right now, I have not heard any news what so ever of any tornado touching down in the greater Volusia County area. So let us learn from this experience since we live in a hurricane-prone area and we are indeed greatly experienced in these matters. It should now be a routine procedure to cancel classes and the day’s business when the conditions are not ideal for driving.

I am very grateful that nobody got hurt or even killed in driving on the wet, windy roads on that Monday morning. I hope that the University

learns from this experience and does not let it happen again. I am proud to be a student at ERAU, as are all the students who attend this great school, but I was disappointed that they did not make the right appropriate decision. Enough scoffing now, just be grateful nothing happened to anybody that day. I just wish it didn’t have to happen.

I look forward that the university and EOT will make more sensible decisions in the future and keep in mind that there are other students who attend that do not live on campus. I’m sure I’m speaking for all the students and faculty who drove here upset and drove back home madder than a wet hornet.

~Name Withheld

THE NOTH FACTOR

Moore advice than I bargained for

Relationships can really make people act and speak irrationally. People act out, say things they don’t mean, and generally do things they otherwise would not, all because they’re strung out about what someone else thinks about them. Recently, my friend Ashley (pictured in Diversions) doled out this little pearl of wisdom: “Basically all girls want relationships and no guys do. So, the guys that do want relationships can have any girl they want.” She is a philosopher for the ages, don’t be fooled.

Clearly, she must be correct. After all, I’d like a relationship and I’ve been beating women off of me with a stick; when I see one I want, I just hint at a relationship and she is mine. I’ve taken to using a crow bar to pry the anxious women from my body, but I still find them everywhere. Hugh Hefner is jealous of all the female attention knocking me over when I open my door in the morning. Like sand in my shoes, I just keep finding

women, even when I think things are secure.

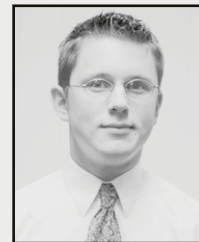
Perhaps Ashley is right, though, and that is why I am single; I just haven’t advertised my interest in a relationship. Certainly it is not because I find it hard to be frank about my feelings. It can’t be because I’m in deeper debt than Delta. Absolutely no negative sentiment comes from women when they see the true curb appeal of the 1989 Corsica – who could resist! And there’s no way it could be because I find reading and racquetball far more entertaining than dancing or drinking. Ashley’s right – all I really need to do is admit I’d like a relationship.

In an attempt to obtain that golden ticket, any girl I want, I will make an honest statement: I find nothing more appealing than the idea that somewhere, someone

I truly care about is sitting, waiting for me to come home, only to say “I’m so happy to see you.” Wow, with that off my chest, let me check my relationship monitor: wait -- still single.

The people Ashley surrounds herself with sound fairly shallow. They also don’t sound profoundly honest or straightforward. I don’t think that’s necessarily the case, though.

Ashley is not globalizing because she’s bitter at all men. She’s not globalizing because she truly believes that things are so simple. She’s globalizing because she is upset with her own situation; because she got hurt. That’s no reason to attack all men, though. To do so is simply unfair. More so, it is an irrational statement, driven not by logic, but by emotion.



Christopher A. Noth

Columnist



Student Forum

The Avion asks: “Did you attend Florida SkyFest? What did you think?”

—Compiled by Brian Case



Mike Ninivaggi
Aerospace Engineering Senior

“No, I didn’t see the point in paying money for something I could just look up and see for free.”



Andre White
Air Traffic Management Junior

“Yes, it was tight.”



Ethan Croop
Aeronautical Science Senior

“No, I was working for ‘the man.’”



Chris Koerner
Air Traffic Management Senior

“I watched it for free from the dirt parking lot.”



Jack Greene
Aeronautics Junior

“No. I was hanging out with the AHP alumni at the Deck.”



Geraldine Torrez
Air Traffic Management Junior

“I didn’t have to go: the air show was right in front of me in McKay.”

Courage: a pilot's duty

How many times have you witnessed a peer being unsafe or doing something silly with an aircraft? I would venture to say that most of you have been in that situation at least once, but I would probably be correct in saying that some of you have been there more than once. But the real question that I have for you is this: did you do something to try and stop that person or friend from doing something that could hurt them or someone else? You may have, but as more often the case, you just let them continue with whatever they were doing. I know I have been guilty of this inaction before, and thankfully, nothing bad happened, but something could have happened. I thought about it after the fact and it hit me like a ton of bricks knowing that if a mishap had occurred, I did

absolutely nothing to stop it. For most pilots, flying is a fun and exciting adventure, but it can also be dangerous. Sometimes we as pilots don't even notice that we are doing something that is unsafe. Unfortunately, there are times when we do realize that we are being unsafe, but we continue to engage in the unsafe practice because we think it is fun and we are trying to show off. Another reason that we continue with an unsafe activity is because we are in the mindset that "I do this every time I go flying and nothing bad has happened." This is a hazardous mindset to have because you're just waiting for the inevitable accident or incident to happen. As a pilot, friend or decent human being, it is our responsibility to

muster up the courage to go up to that person and say, "Hey, what you are doing is unsafe and you could hurt yourself and others, and you should think about what you are doing before you continue." Some people may feel more comfortable by remaining silent, but silence comes with a price, you may have to live with a guilty conscience if a mishap results due to your inaction. For others, it may be difficult to go up to a person that is more experienced or an authority figure, but that is what courage is all about. It's the mental or moral strength to persevere and confront fear or difficulty. Just because someone is more experienced it doesn't mean that they don't make mistakes, and they need to be told that they are being unsafe from time to time; it may just save their life one day. If we can save at least one person's life by having the courage to challenge someone's unsafe actions, we will have lived up to one of the responsibilities that we were given the day we became pilots.

~Shannon Perdue

“
... flying is a fun and exciting adventure, but it can also be dangerous.”
- SHANNON PERDUE”

Sidney talks test anxiety

Dear Sidney:
I'm already not doing well in some of my classes. I get very nervous when I am taking tests and quizzes - I think it has a lot to do with anxiety. I feel like I have an anxiety disorder! I cannot concentrate when taking a test. All I hear are other people writing or shuffling papers. I really need to do well in these classes and I have done everything in my power to get help with it. I need some suggestions!

~Frustrated

Dear Frustrated:
It is not uncommon for you to experience anxiety when taking an exam, especially in a course that might be challenging - many students are anxious before a quiz or test! It's always best to not fight your feelings of anxiety though, because anxiety feeds itself the more you worry about it! Instead, try to identify what might be triggering your anxiety. For example, did you prepare enough, did you

get enough rest, did you eat too much sugar beforehand, etc. When we identify causes to any challenge we might be encountering, it usually helps us in dealing with it.

Also, keep in mind that you can't control everything about a situation. Do your best and change what you can - let the rest take its course!! If there are a few difficulty questions on a test, do your best to give the best answer possible. Difficult questions are intended to make you think!!

You also mentioned difficulty concentrating and being distracted by other test-takers. This could be a result of your anxiety taking control. As we already discussed, try identifying why feelings of anxiousness are overwhelming you. If you would like to talk more, a counselor in the Counseling Center can offer a thorough assessment to best help you!

Wishing you progress toward your degree,

~Sidney

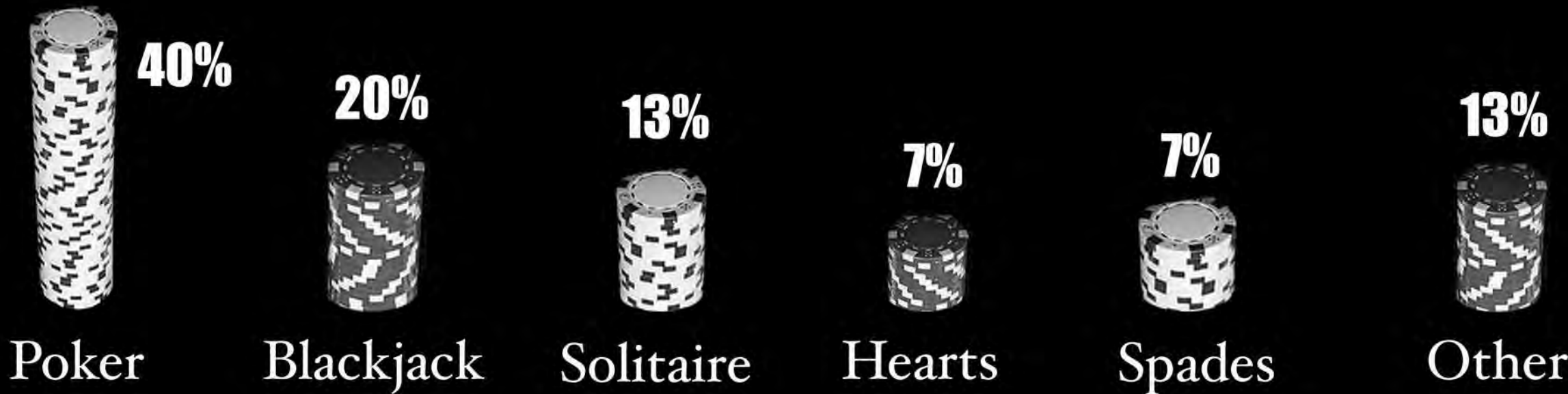
"Ask Sidney" is sponsored by the Counseling Center and is here to respond to questions and comments from Embry-Riddle students regarding school, relationships, personal issues, or just about life in general. Submit a question or comment for Sidney, simply e-mail ask.sidney@erau.edu.

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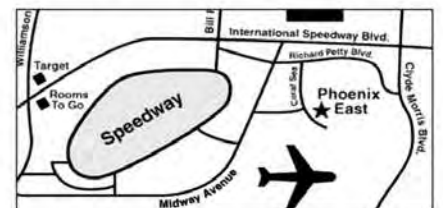
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V-ball records fall one by one

Jonathan Mettin
Editor-in-Chief

Janelle Marinos shattered her own single-match kill record and Marissa Gonzales broke the season assist record in the volleyball regular-season finale against Northwood on Friday night in a 3-1 (28-30, 30-20, 30-26, 30-25) conference win. Earlier in the week, NCAA Division II St. Leo defeated Embry-Riddle 3-0 (30-17, 30-25, 30-26).

Marinos recorded 39 kills against the Seahawks, her fourth 30-plus effort on the season. Marinos now holds four of the top five spots on the list, sharing fourth place with LaSha Moton, the previous record holder. Marinos now has 668 kills on the season, shattering the 2002 record of 499 by Angelique Talbot.

Gonzales, a freshman setter, put up 67 assists in the same game, establishing a new mark for a four-game match and falling just two shy of a match record. The record-setting performance gave her 1,350 on the season, surpassing Brooke Geiger's old record of 1,310 and moving her within 30 kills of fourth place on the ERAU all-time list after just one season.

Last Tuesday, the Eagles traveled to Saint Leo to take on the Lions. St. Leo hit .299 as a team, with five players hitting .333 or better and 11 registering kills. Embry-Riddle was held to a .105 percentage, led by Daniela Brazolino (nine kills, .250) and Marinos (13 kills, .222). Seniors Marcia Bullara-Smith and Nancy Salb laid out for 11 and 15 digs, respectively. The victory ended a four-game losing streak for the Lions.

The Eagles took out their anger against the Seahawks. After a hard-fought game one, the Eagles roared ahead in game two, hitting an impressive .459 with only four attack errors. Northwood led game three 14-13 before the Eagles rallied, building a three-point lead and fending off a Lion comeback to win. The fourth game was no contest, as the Eagles jumped out to a 4-0 lead and never relinquished it.

Embry-Riddle players combined for 104 digs on the night, with five players posting double-digit digs.

Marinos and Brazolino also had double-doubles on the night, Marinos with 39 kills and 16 digs and Brazolino with 23 kills and 29 digs. Gonzales posted 19 digs in addition to her 67 assists.

With the regular season over, the NAIA Region XIV playoffs will take place at Flagler this weekend. Third-place Embry-Riddle will play second-place Flagler at 7 p.m. on Friday while first-place SCAD will take on fourth-place Webber International. The winners will play each other on Saturday for the championship.



MARISSA GONZALES SHATTERED THE single-season assist record with 1,350.

Men's Cross-Country claims first FSC title, women place second

Press Release
ERAU Sports Info. Dept.

The Embry-Riddle men's cross country team placed five runners in the top 10 to claim the program's first Florida Sun Conference and Region XIV Title at the FSC/Region XIV Championships hosted by Warner Southern College on Saturday.

The leadership of senior men's co-captains Jack McAfee and Chris Henry and junior women's captain Laurel Cook, propelled the Embry-Riddle men's and women's cross country teams to first and second place, respectively, at the FSC/NAIA Region XIV Championships hosted by Warner Southern on Saturday. The team title was the first for the men's program, which had been knocking on the door with second-place finishes each of the last four years, and marks the first time in program history that the Eagles

will field a full team at the NAIA National Championships.

The Embry-Riddle men, who had five runners in the top 10, tallied 32 points, 31 points ahead of meet runner-up Warner Southern (63). "It's great to be going to nationals in my last year as an individual, but it's even more exciting to be taking the whole team this year," McAfee said following the race.

McAfee and Henry were the top two finishers for the men, with McAfee placing second overall in 26:47 and Henry coming in third in 27:07. Richard Carpenter (28:04) took eighth overall, while Chris Clover (28:06) and Jason Minor placed ninth and tenth, respectively to close out the ERAU scoring.

"I'm really proud of the team," Henry commented. "They did everything I could have asked of them today."

"This is exciting!" ERAU head coach Mike Rosolino said. "Our team has worked very hard this

season and their hard work paid off today. We're thrilled to have finally achieved our goal of winning a regional title. I'm extremely proud of our seniors who put forth a lot of time and effort and have led this team all year."

The Eagle women finished second with 59 points behind Savannah College of Art and Design (24) and ahead of Flagler (64).

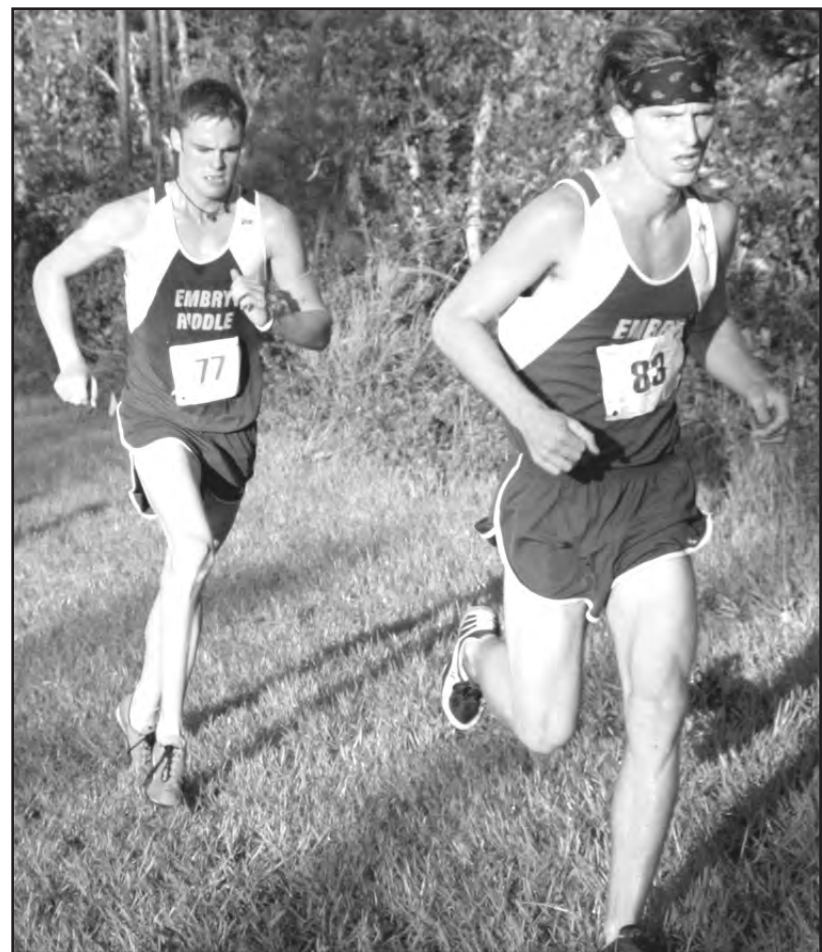
Cook was the top runner for the Eagle women, posting her best cross country time of 20:13 for fourth place overall. Senior Nicole Ferraro repeated her performance of two years ago, placing sixth overall in 20:38. Susie just missed making the All-Region team crossing the line in 13th place in 21:37. Beth McCubbin (22:05) took 16th and Bridget Brown (22:24) was 20th to round out the Eagles' scoring.

"I thought our women had a great performance today. They went after first place, which probably cost some individuals some places and times in the end, but they held it together to make sure we finished at least second. It was a great effort all around and a testament to our team's commitment and dedication to each other and their goals."

McAfee, Henry, Carpenter, Clover and Minor were named to the All-Region XIV team with McAfee and Henry also receiving All-Conference honors. Cook and Ferraro were All-Conference and All-Region selections.

ERAU head coach Mike Rosolino was also honored at the meet, as he was named the FSC/NAIA Region XIV Men's Cross Country Coach of the Year.

The trip to the NAIA National Championships will be the third for Henry and Ferraro, who qualified as an individual along with Cook, and the second for McAfee. The national championship meet will be held at E.P. Tom Sawyer Park in Louisville, Ky. on Nov. 19.



CHRIS CLOVER (LEFT) AND Jack McAfee (right) finished ninth and second, respectively, at the FSC/Region XIV Championships at Warner Southern College on Saturday. The men claimed the title.

“
... I'm extremely proud of our seniors ...
”
- MIKE ROSOLINO

A message from a teammate to the cross country seniors

"During their time at Embry-Riddle, I and all the team have been honored with the contribution and presence of our current seniors: Chris Henry, Jack McAfee, Bradon DelPriore, Richard Carpenter, Cody Rockswold, Nicole Ferraro, and Lindsey Laukaitis. We are all sad to see them go, but wish them the absolute best in their endeavors to come and hope that they will succeed in life as much as they did on our team."

-Evan Colquhoun

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Men's soccer ends 'magnificent regular season'

No. 6 Eagles take first in conference, go 15-1 overall

Chris Tezak
Managing Editor

The Men's soccer team finished out their season strong with a 2-1 overtime win against Webber, and a 4-1 win over St. Thomas. The Eagles also put three players on *ESPN The Magazine's* Academic All-District team.

season with a record of 15-1, the best record in the program's history. The only loss the Eagles suffered was a conference match to Webber International.

Peter Masters was the hero of Wednesday's game against Webber as he scored the golden goal in overtime. The goal came after an overtime throw found captain Danny Whelan who was able to get a pass off to Masters. Masters dribbled to the top of the 18-yard box and then ripped a shot past the Webber goalie.

For the last game of the season the Eagles traveled to Miami for a match against St. Thomas. Embry-Riddle scored three goals in the second half, one coming after going down to 10 men, to finish the game at 4-1. A.J. Barret scored the first

goal, after a pass from Richard Genge, with a flick over a rushing Bobcat keeper. In the second half Masters notched a tally with a header, off a free kick from Whelan. With 26 minutes left in the second half, Joe Yoffe notched his team leading fourteenth goal of the season with a left foot that brought the score to 3-0.

The Bobcats got their only tally of the night after a hard foul in the box resulted in a red card being issued to sophomore Hugh Davey, the only one of the season for any Riddle player. The resulting penalty kick gave the Bobcats their only score of the game. Ian Thompson scored a last minute goal after breaking loose from the St. Thomas defenders and dribbling past an oncoming goalie. The offensive attack for the

Eagles this season was balanced and ferocious. After Yoffe's 14 goals the other forwards, Thompson and Masters, netted seven and five respectively. Whelan, the only player to start in all 16 matches, led the team in assists and points with 14 and 38. The defense was solid during the season the team posting seven shutouts. The Eagles finished the season ranked

sixth in the nation and the Florida Sun Conference Champions.

"Another comfortable victory rounds out a magnificent regular season," Eagles head coach David Gregson told ERAU Athletics. "A No. 6 final ranking, a 15-1 record and our third straight conference crown reflect the level of excellence we have set for ourselves. We will now look to continue this

positive momentum as we look forward with enthusiasm to the regional tournament."

Besides having the best season in program history the Men's soccer team also had three players picked for the 2005 *ESPN The Magazine* Academic All-District Team. This year is the first time that Embry-Riddle has had three players nominated for the award. Ian Thompson, Danny Whelan and Hugh Davey were the three players elected for the second-team All-District III honors.

The Eagles start play in the Region XIV tournament on Nov. 11 in Thomasville, GA. The NAIA National Championships will be held Nov. 16-22 here at Embry-Riddle.



SHYAMAL ADDANKI/AVION

DANNY WHELAN (LEFT), IAN Thompson (center), and Hugh Davey (right) were named to the 2005 *ESPN The Magazine* Academic All-District Team. Along with those accolades, the three players led the team to a 15-1 overall regular season record, the best in school history.

Eagles fall to Gators



BILL CAMPBELL/AVION

MEN'S BASKETBALL TRAVELED TO Gainesville on Nov. 1 to face the NCAA Division I Florida Gators. The Eagles trailed 53-17 at halftime due mostly to a 22-3 Gator run. The game ended 86-48.

B-ball wins in North Carolina

Phil Larson
Sports Editor

After a tough loss to the Florida Gators on Nov. 1, the Embry-Riddle men's basketball team traveled to North Carolina to play Brevard College on Nov. 5.

At the end of the first half, the Eagles were ahead 31-27 and did not look back as they went on to win the contest comfortably 71-60.

Junior guard Ryan Exter came off the bench to lead the team in points with 22. Other Eagles' contributors from the bench included Denny Joseph and Michael Pyle, who both eventually fouled out of the contest.

The bench players contributed 36 points, the most coming from Exter. Joseph finished with 10 points and four boards in 18 minutes of action, while Pyle posted 16 points and four rebounds in 31 minutes.

The next game for the Eagles is at the ICI Center on Tuesday, Nov. 8.

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Christian McDowell
Staff Reporter

The Department of Defense (DOD) says it may have to drastically cut back or drop some of its programs, including the Advanced Medium Range Air to Air Missile (AMRAAM) and Kinetic Energy Interceptor (KEI) missile programs, if Congress cuts their budget proposals. Also on the list of military programs to be cut or restricted are the Navy's DD(x) destroyer, the Air Force's Space Based Infrared System-High (SBIRS-High), the Air Force's Global Hawk unmanned aerial vehicle, the Air Force's Near Field Infrared Experiment (NFIRE) satellite, and the Joint Air to Surface Standoff Missile (JASSM) programs, according to the DOD.

The hardest hit programs would be the KEI and AMRAAM missile programs. Each program originally had a targeted budget of over \$200 million each.

However, new Senate proposals drastically cut spending on the programs. The KEI program will only get \$115 million out of the \$230 million the Bush Administration asked for. The AMRAAM program, which was slated to get \$202 million, is even in worse condition because it will only get \$7 million under new Senate proposals.

The monies surrounding the KEI program will be used for continuation of testing interceptor missiles that destroy ballistic missiles in their early stages. The KEI program is part of the larger Missile Defense Program set up by the Bush Administration. The funds surrounding the AMRAAM program will be used to buy missiles for all three branches of the military, as well as funding development of the AIM 120D, a variant of the current AMRAAM which will supposedly increase the effectiveness of the missile. If current Senate budget cuts go through, the DOD warned, the AMRAAM missile program could potentially be shutdown. The AMRAAM program itself started back in the 1970s. The AMRAAM missile allows an aircraft to engage aerial targets up to 40 miles away, well out of visual range, giving the U.S. military a clear advantage in the air. The missile itself was used successfully three times in aerial combat, twice over Iraq and once in Bosnia.



PHOTO COURTESY WWW.AF.MIL

THE GLOBAL HAWK UNMANNED aerial vehicle is one of the projects under development under the Department of Defense that could see a budget cut. Global Hawk has been testing at Edwards Air Force Base and has completed 120 successful sorties.



PHOTO COURTESY WWW.DEFENSELINK.MIL

THE AIM-120 AMRAAM missile project will take the brunt of the budget cuts. The \$202 million that was originally slated for the project would be cut to \$7 million. The missile has a range of 40 miles and the project was created in 1970.

First Mission to Pluto



PHIL LARSON/AVION

THE \$650M NEW HORIZONS spacecraft is seen during final preparations in a clean room at Kennedy Space Center as chief of the mission Alan Stern shows how the world's first mission to Pluto will operate. Launch is set for Jan. 11.

Apophis has NASA on toes

Asteroid to come within 22,600 miles of Earth

Nicole Titus
Staff Reporter

Apophis, a quarter-mile wide asteroid, is on track to pass close to Earth on April 13, 2029 and the B612 Foundation says it could possibly slam into Earth in 2036. The foundation is currently pushing NASA and the Department of Defense to do more to head off threats from near-Earth objects like Apophis.

According to the NASA website, if there is still a chance of collision in 8 years they will start drawing up plans to get more accurate measurements, possibly by tagging it with a radio beacon. If calculations still show that it is going to hit Earth in 2036, NASA will try to deflect it with an impactor as early as 2024.

According to a letter from the B612 Foundation to NASA Administrator Michael Griffin, if they attempt to divert the Apophis before 2029 they would only need to nudge it by a 1/2 mile, which is very feasible with existing technology. Although, if they wait until after 2029 they will need to nudge the asteroid at least 8,000 miles off course.

The B612 Foundation, which takes its name from an asteroid mentioned in Antoine de Saint-Exupery's "The Little Prince," said it was grateful for NASA's "thorough and thoughtful" analysis in response to their concern regarding Apophis. However, the Chairman of the foundation and former astronaut, Rusty Schweickart, still has concerns about threats from near-Earth objects in general, and about Apophis.

Last December Apophis temporarily raised concern when the risk of collision allegedly was as high as 1 out of 40 for the year 2029. However, experts say now that it will make an extremely close pass to Earth and only miss by 22,600 miles in 2029. This close pass could perturb Apophis' orbit and put it on track to hit Earth in 2036. If this happens, it could destroy a city if it strikes land or raise a deadly tsunami if it lands in the ocean.

On Friday the 13, Apophis will be visible to the naked eye in Europe and West Africa and



IMAGE COURTESY WWW.NASA.GOV

THE ASTEROID APOPHIS IS on a course to come within 23,000 miles of Earth in the year 2029. The asteroid also has a possibility to slam into the Earth seven years later due to the gravitational interaction in its 2029 orbit.

will appear a bit dimmer than the North Star. According to Dr. Donald Yeomans, a senior research scientist at NASA's Jet Propulsion Laboratory, "NASA is part of the International Spaceguard effort to discover and track 90 percent of large near-Earth objects by the end of 2008."

According to the NASA website about 65 percent of the estimated 1,100 large near-Earth objects, larger than 0.62 miles, have already

been discovered. Most of them have been discovered since NASA increased their search efforts in 1998.

The asteroid was originally named 2004 MN4 then changed to Apophis, which is a Greek name from an Ancient Egyptian god Apep, "the destroyer."

An asteroid of this size and approaching Earth this close only occurs every 1,300 years or so.

Red Flag 2005, Air Force equivalent to Navy "Top Gun"

Bob Scheid
News Editor

As the real-world combat situations have changed in the past few years with the attacks on Afghanistan and Iraq, the training that fighter pilots go through has also been changed. In a recent Air Force exercise, new tactics are being tried out, new pilots are getting experience, and new problems that the world has to offer are being fixed.

"Top Gun," the Naval Fighter Weapons School made famous by the movie of the same name, was formed during the Vietnam conflict to help the naval aviators increase their kill ratio over enemy forces. "Red Flag" is the Air Force equivalent, composed of the 414th Combat Training Squadron operating out of the Nellis Tactics and Training Range in Nevada. However, the scale upon which operations are taken is much larger: up to 140 aircraft have been

involved in a single "mission," at times.

Since the 1970s, the program has evolved into several four-week programs per year, incorporating the air forces of foreign friendly nations, space warfare systems, and new technology such as Unmanned Aerial Vehicles (UAVs), advanced weapons, electronic warfare, and new sensors. Each session is split into two-week segments to allow active units to receive some training without devoting a full month to the program.

Training is accomplished by painting parts of the 15,000-square-mile complex to look like cities with streets, rivers and other features. "Buildings" are made of cargo containers stacked upon each other and painted to look like

structures. Tanks and other vehicles are remote-controlled dune-buggy like machines covered with a look-alike exterior.

On the ground, training continues in the form of debriefing for the pilots and practice for the commanders with planning and coordinating missions before they begin. Once every few days, a "mass debrief" is held, to let all the pilots and coordinators see the big picture, with computer-generated maps showing the locations of every plane in the force and how they act.

The scenarios get harder over time. The first day, most combat is air-to-air against older planes using outdated weapons. By the end of the first week, more objectives are given and the enemy is using

newer planes and better defenses. At the end of the second week, pilots are fighting against experienced enemies with fully modern planes, state-of-the-art weapons, electronic warfare, simulated high-accuracy Surface to Air Missiles, live precision air-to-ground munitions, and in large, coordinated scales.

The primary mission is to give new pilots experience in combat situations. Col. Dirk Jordan, commanding officer of the 414th Combat Training Squadron, says that the exercise provides brand-new pilots with the experience of about ten combat missions, made even more powerful by the realism of the situation. The environment, objectives, communications and weapons are all modern, with a special emphasis this year on urban warfare.

"We need to look like what we and our joint and coalition partners see when we go to war," Jordan said to an *Aviation Week* reporter. "All the annoying things that will bite you on day one of combat will bite

you on day one of Red Flag."

However, the effectiveness has been noted by more than a few pilots and planners. The steadily increasing difficulty of the exercises gives inexperienced pilots a full run of possible situations, and a senior pilot who flew in Iraq and Afghanistan said, "actual combat wasn't as hard as Red Flag."

While the purpose of Red Flag is not in question, the ability to create realistic scenarios is beginning to fail. With current operations in other areas of the world, some materials are hard to come by. Tankers, UAVs, and satellite coverage is being deployed to real-combat areas, and few are left for training, no matter how high priority it may be. However, it will continue to be held two to five times a year in the foreseeable future, and will continue to lead the way in training and combat preparation. The first flight of F/A-22 Raptors, for instance, is scheduled to take part in a Red Flag before they are rotated into combat for the first time.



Hubble finds two more moons around Pluto



PHOTO COURTESY HUBBLESITE.ORG

AN ARTIST'S RENDITION OF Pluto, Charon and its two newly-discovered candidates for moons, as seen from the surface of one of them. Scientists made the major announcement last week, just as final preparations were getting underway for the New Horizons launch, which will be the world's first mission to Pluto.

Phil Larson

Sports Editor

NASA's Hubble Space Telescope added to its list of discoveries last week two moons of Pluto, to go along with the previous one that was thought to be the only satellite of the ninth planet from the sun.

Pluto, which is part of the Kuiper Belt, was thought to have only one moon. That moon, Charon, was discovered in 1978. If the two additional moons are confirmed, Pluto—which was discovered in 1930—would become the first Kuiper Belt Object to have more than one satellite.

The Kuiper Belt is a region at the edge of the solar system composed of icy, rocky, comet-like bodies outside the orbit of Neptune.

The new moons, which have been designated S/2005 P1 and S/2005 P2, are approximately 27,000 miles away from Pluto, which is two to three times the distance that Charon is from the planet. Our moon is about 250,000 miles away from earth.

Follow-up Hubble observations need to be completed in order to confirm the recently discovered objects, and they are scheduled

for February. Then, the duty of naming the satellites will fall on the International Astronomical Union. Hal Weaver of the Johns Hopkins Applied Physics Laboratory said that preliminary observations suggest they are in circular orbits around Pluto and in the same plane as Charon.

"It's almost like a mini solar system," Weaver said. "How can something about 70 percent the size of Earth's Moon have all these satellites? How can that happen? We're going to have to explain that."

On May 15, 2005, Hubble's Advanced Camera for Surveys recorded the two objects appearing to orbit Pluto, and three days later they were still there and were still moving around the planet.

"A re-examination of Hubble images taken on June 14, 2002 has essentially confirmed the presence of both P1 and P2 near the predicted locations based on the 2005 Hubble observations," said

Marc Buie of Lowell Observatory, Flagstaff, Ariz., another member of the research team.

The objects are between 30 and 100 miles (45 to 160 kilometers) in diameter, Weaver said. More data will be needed in order to know their exact size. Our moon's diameter is 2,160 miles, while Pluto is 1,430 miles wide and Charon's diameter is about 730 miles.

The Hubble Space Telescope is an international cooperative venture between NASA and the European Space Agency. Baltimore's Space Telescope Science Institute carries out Hubble operations.

The discovery comes just over two months before the world's first mission to Pluto gets underway. NASA's New Horizons spacecraft is scheduled to blast off January 11 and become the first spacecraft to visit the icy world as early as 2015. Scientists are now even more eager to reveal the tiny world with the discovery.

“It's almost like a mini solar system.”
- HAL WEAVER

House OKs Soyuz sales

Craig Benjamin

Guest Reporter

The House of Representatives has passed a bill clearing the way for NASA to purchase Soyuz rides to the International Space Station while the space shuttles are grounded and possibly beyond its return to flight.

Since the Columbia accident in February of 2003, the agency has been flying to the ISS on the Russian Soyuz. NASA received its last ride aboard a Soyuz early in Sept., and without this bill would not have received any more.

NASA needed to have the Iran Nonproliferation Act of 2000 amended because it forbade them from buying the Russian hardware for use as long as the Russians

continue to help Iran with developing nuclear technology and advanced weapons.

Senate Foreign Relations Committee Chairman Richard Lugar introduced the amendment on Sept. 15.

Lugar's bill allows NASA to buy Russian spaceflight technology for the International Space Station Program until 2012. The bill passed with unanimous consent on Sept. 21. A similar bill was introduced in the House of Representatives later in Oct. The House passed that bill on October 23.

Representative Dana Rohrabacher commented on the issue. "I don't like it, but it's a choice of being dependent on the Russians or dependent on the space shuttle and it's becoming more and

more apparent that it's riskier to depend on the space shuttle."

The shuttle is grounded until at least May for many reasons including the damage Hurricane Katrina caused to NASA installations in New Orleans and Mississippi, and to correct some problems with chunks of foam falling off external fuel tanks.

At a news conference, William H. Gerstenmaier, NASA's associate administrator for space operations, stated that NASA hoped to reach an agreement with the Russians for spaceflight before sending up additional astronauts. Currently, the Russians are asking \$65 million for each Soyuz spaceflight.

Space Technology Editor Ben Cooper contributed to this report.

Oldest starlight detected

Curtis Ewbank

Copy Editor

Astronomers working at NASA's Goddard Space Flight Center (GSFC) may have detected radiation from the first stars ever formed. The stars were detected by the imprint they left on the Cosmic Infrared Background (CIB). The CIB radiation is created by stars both past and present. By using recent survey data from the Spitzer Space Telescope, the astronomers subtracted known infrared radiation sources from the CIB. What was left is believed to be radiation from some of the first stars ever formed.

The first 200 million years of the universe is commonly referred to as the Dark Ages, a term coined by English Astronomer Royal Sir Martin Rees to describe the fact that no stars existed during this time.

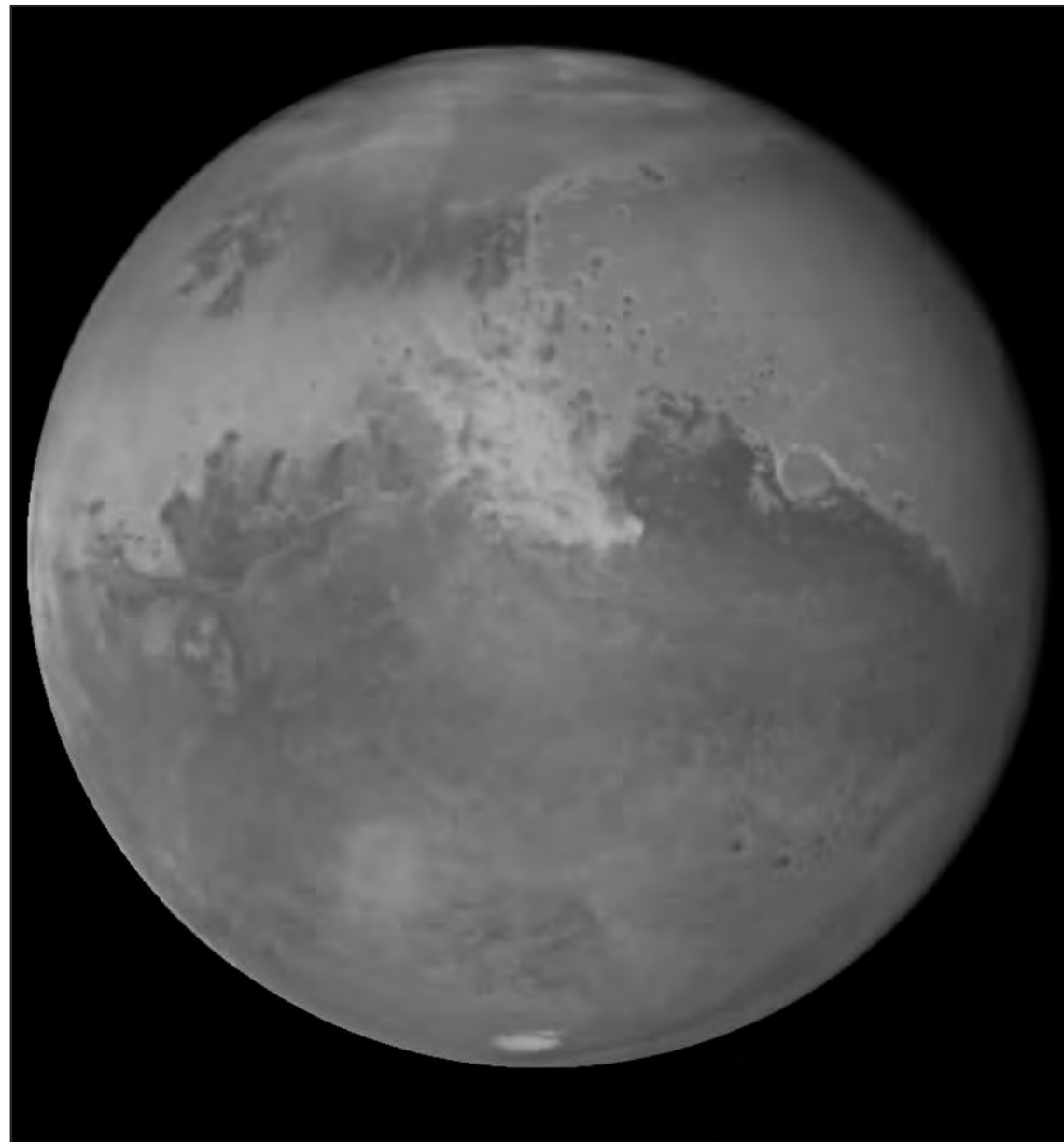
Instead, the universe consisted of hydrogen, helium, and trace amounts of lithium. At about the 200 million year mark, these elements coalesced into the first stars. The lives of these first stars were intense and short, expending their hydrogen supply in a few million years. As these stars ended their lives they created the elements that form the building blocks of life today.

Alexander Kashlinsky, one of the researchers at GSFC, told the BBC it took the team a year to remove known signals accurately enough to be convinced the leftover radiation signature was not created by a known source. He also stated, "It seems these first stars were quite unlike those we see today. They were huge thermonuclear furnaces; few and far between, but they burned ferociously because they were so massive." The signals left by the stars indicate they must have been

extremely massive, on the order of several hundred solar masses.

The report released by the team has not convinced all scientists. California Institute of Technology professor Richard Ellis said in the journal *Nature*, "Even a minor blunder in removing these foreground signals might lead to a spurious result." Ned Wright, an astronomy professor at UCLA stated, "I'm very skeptical of this result. I think it's wrong...I think what they're seeing is incompletely subtracted residuals from nearby sources." Since the survey was conducted in the infrared spectrum, it is possible the signals originate from low visibility objects not yet detected in the visual spectrum. More studies will need to be done to confirm the results. However, Kashlinsky's team has taken an important first step towards learning about the first stars ever formed.

Dust Storm on Mars



Mars • October 28, 2005
Hubble Space Telescope • ACS/HRC

PHOTO COURTESY HUBBLESITE.ORG

A LARGE DUST STORM has kicked up on the Red Planet in recent weeks, so massive that it is easily seen from Earth using amateur telescopes. The storm can be seen near the center of the Martian disk in the above image, appearing with wispy lines near the equator.

Upcoming Cape launches

Mid-Late Nov.
Delta 4 medium
NASA/NOAA
GOES-N weather sat.
approx. 5:30 p.m. EDT
50 min. window

NET January
Delta 2
Next GPS satellite
Launch time: TBD

NET February
Delta 2
MITEX
DARPA satellite
Launch time: TBD

NET May 3
Space Shuttle Discovery
ISS flight
Launch time: TBD
5 min. window

First-half 2005
Delta 4-Heavy
Last DSP satellite
Launch time: TBD

Jan. 11
Atlas 5
NASA's New Horizons
First mission to Pluto
2:07 p.m. EST
120 min. window

April 11
Delta 2
STEREO
Twin solar spacecraft
6:21 a.m. ET

June 17
Delta 2
Dawn
Asteroid orbiter
Launch time: TBD

EDITED BY BEN COOPER

ESA arm may launch on Proton

Brandon Boekelman

Copy Editor

On Oct. 27, the European Space Agency (ESA) signed a new contract for launch preparations for a new robotic arm for the International Space Station (ISS): the European Robotic Arm (ERA). This new contract will change the launch platform of the arm. The ERA was originally planned to be launched on a space shuttle with the Russian Science and Power Platform (RSPP). The RSPP was intended to be the home of the ERA while aboard the ISS,

but that plan was recently changed. The new plan has the ERA as part of the Russian Multipurpose Laboratory Module (MLM). The MLM, however, was not designed to be launched on a space shuttle, but on a Russian Proton rocket. So, the ERA will be launched on a Proton rocket, not a space shuttle as originally planned.

Dutch Space signed the new 20 million Euro contract. This new contract will send most of the ERA's hardware and construction materials to Russia. Russian cosmonauts will also be trained for the implementation and operation of the ERA on the ISS.

The ERA is a prime example

of seeing how Europe is getting more involved with the ISS. "The European Robotic Arm is a good example of how spaceflight is driving new technologies," says Daniel Sacotte, the ESA's Director of Human Spaceflight.

"Through spaceflight we have been building up expertise in key technologies like robotics, which is not only beneficial for Europe and European industry but also demonstrates the important role Europe is playing in the International Space Station program by contributing key elements such as the Robotic Arm."

Microsatellite sets records

Bob Scheid

News Editor

A 220-pound satellite launched by the Air Force in April has recently set a record by successfully rendezvousing with the Minotaur I upper stage which launched it into orbit.

The Experimental Satellite System-11, designated XSS-11 by the Air Force, has circumnavigated the upper stage more than 75 times in the past seven months. However, four were within 1.5 kilometers of the spent launch vehicle, and one was only about 500 meters.

This was all done without the excessive use of fuel in the

spacecraft; most of the motion was simply orbital and naturally accomplished. XSS-11 is the first satellite to achieve these results without the use of external guidance from the opposing satellite or other satellites.

Harold Baker, the program manager for XSS-11, said that the satellite was functioning very well, so well that the program actually reduced staffing to 15 people, from the 30 originally allocated to the project based at Kirtland Air Force Base.

"The microsatellite is performing better than expected," Baker noted in a press release. "Fuel consumption and efficiency is good, and we expect to be operational for

another year. In addition, we have had no significant technical glitches and no major anomalies."

In the next few months, the satellite will continue to perform systems checks. Also, several more rendezvous are planned for the upper stage and several other U.S.-owned satellites and rocket bodies in orbits close to that of XSS-11.

The satellite is a joint venture between the Air Force and the commercial sector. Lockheed and several other companies have contributed to the project, and some continue to provide technical support and help with administration of the system.



PHOTO COURTESY AFRL AFMIL

A DECLASSIFIED IMAGE TAKEN by the XSS-11 satellite as it rendezvoused with the upper stage of the Minotaur rocket that launched it into orbit earlier this year. XSS-11 has successfully tested new technology by approaching the object using natural orbital motion and no external forces such as thrusters.

Annual AOPA Expo: three day pilots' paradise

Oz Maitas
Staff Reporter

The Aircraft Owners and Pilots Association (AOPA) had its annual Expo in Tampa, Fla. this past Thursday, Nov. 3. Running through Saturday at the Tampa Convention Center, it provided activities and exhibits for pilots, aircraft owners and prospective pilots.

AOPA President Phil Boyer expressed his happiness to have this annual Expo in Tampa, saying that "its warm weather, fun attractions and several convenient airports make it a favorite destination among pilots. We look forward to a successful show at this new location."

Every event was made available for three days to every attendee. Starting with an opening general session at 9 a.m. in which Transportation Secretary Norman Y. Mineta was the featured speaker on the opening day

of the Expo. These general sessions were free to all attendees and allowed AOPA members to hear about current aviation issues while asking questions to a number of high-level industry and government leaders as well as AOPA executives. Following this general session, Expo attendees had the option of either heading to the aircraft display located at Tampa's Peter O. Knight Airport or to attend numerous informational and safety seminars.

At 10 a.m. the exhibit hall was opened to the Expo attendees. Over 500 exhibitors presented their current and future products in a trade show atmosphere which allowed a dynamic interaction between companies and the public. Some of the exhibitions that caught the people's attention were without doubt Garmin USA, Cessna Aircraft Company, Mooney Airplane Company and Eclipse Aviation with their full size jet replica in the middle of the hall in

which anybody was able to jump in the front seat of this small jet.

In the mean time, more than 70 aircraft were on display at Peter O. Knight Airport including the Eclipse Jet, AOPA Commander Sweepstake airplane, EADS Socata, Raytheon's Beechjet, WACO Classic Aircraft and many more. This year's Expo also featured a new special section for light sport aircraft. At 10:30 a.m. the aircraft's "hands on" demo flight for those interested in purchasing an aircraft began.

The rest of the Expo was concentrated in all the different seminars offered by AOPA and its partners. Different seminars themes or "tracks" were offered to the attendees including All Pilots, Technology, Proficiency, Medical, Safety and Owners tracks. The public had the option to attend to any of these seminars which featured the humor of Rob Machado on the opening day. This year Expo served as the

opener of the newest safety presentation by the AOPA Safety Foundation "Do the Right Thing." Pat Schaub spoke about the problems with Aeronautical Decision Making in the general aviation community. In a very interactive Power Point presentation he guided the attendees to many of the mishaps that a pilot faces before every flight.

"Clouds are full of aluminum" he said as he talked about the importance of remaining away from them when on a VFR flight. He also stressed the five things that a pilot must do when facing an instrumental meteorological condition and having the necessity fly out of the clouds as soon as practical.

These included Level the Wings,

Center the Ball, Stop Rate of Climb or Descend, Climb "Like a homesick angel" and Turn if necessary. Schaub also stated that pilots need to "do the right thing at the right time, even when nobody is watching." Finally, he concluded with the thought of an anonymous pilot that stated how "Superior pilots use their superior judgment to avoid situations that would require the use of their superior skills."

This three day marathon closed with a grand finale banquet on Saturday night with a lavish dinner and live entertainment. It also featured a video presentation of the convention and a special

presentation of the J.B. "Doc" Hartranft Award and the Laurence P. Sharples Perpetual Award. These awards, as stated by the AOPA, recognize the "government official who did the most to defend and preserve general aviation" and "the individual who displayed the greatest, selfless commitment to general aviation by a private citizen," respectively.

The Aircraft Owners and Pilots Association was founded in May 1939 in Philadelphia by five aviators who recognized general aviation's needs.

Today, the organization refers to its 406,000 members as been the best ambassadors for general aviation.



Boeing touts advanced 747 over stretched 787

Michael McGraw
Staff Reporter

Later this year, Boeing hopes to launch the 747 Advanced, a stretched and updated 747-400. The new derivative of the original jumbo jet will be offered in both passenger and freighter versions, and a market of up to 300 frames is expected for this type of aircraft.

Boeing sees a weakness in the gap of the Airbus product line between the A340-600 and the A380. That is a 200 seat difference that Boeing hopes to exploit by offering the 777-300 series and the 747 series of aircraft, including the new Advanced 747.

The passenger model will be stretched 11.7 feet over the current 747, and will seat approximately 450 passengers in a typical configuration, roughly 50 additional seats over the -400 version.

The freighter 747 Advanced will be stretched 18.3 feet, which will boost cargo volume by roughly 16 percent. Boeing also contends that the freighter 747 Advanced will be able to carry heavier cargo in terms of a weight-to-space ratio, which they say is better

than on the A380.

Boeing also claims that the new 747 will be more efficient than the A380 for carriers looking for a 450-seat aircraft.

The manufacturer argues that the A380 is 17.9 percent heavier per seat than the new 747.

Boeing is also selling the fact that the new 747 will improve fuel consumption by 6 percent over the 747-400.

A goal of the 747 Advanced is to capture the market between the current 747 and the Airbus A380, as well as exploiting the Airbus product gap between the Airbus 340-600 and the A380-800.

Boeing seeks to take advantage of the 200-seat difference between the A340-600 and the A380 by offering airlines a mix of the 777-300 series and 747 Advanced aircraft.

With much attention focused on the new 747 Advanced, Boeing has allowed the proposed 787-10,

a further stretched version over the 787-900, to remain merely on the discussion board. Although Boeing has had talks with potential customers, the company does not yet intend to launch the product.

Emirates is at the center of the discussion, as the airline feels that the 787-900 is too small for their needs. The airline will most likely go for the A350, which is slightly larger than the current 787-900, if Boeing does not offer a further stretched 787.

If the 787-10 is eventually launched, there is a better chance that Emirates could go either way for the order.

Another potential conflict that may arise with the launch of the 787-10 is that it would encroach upon the 777-200ER/LR market. Boeing may have to prematurely halt the -200 production line if 787 or A350 orders occur in place of the 777.



Continental flies into DAB



ADAM WRIGHT/AVION

A B737 FLOWN BY Continental Airlines flew into Daytona Beach International Airport on Nov. 5. This is a seasonal service offered by Continental through February. Scheduled flights for November are Saturdays at noon and daily flights from Newark from December until February.

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Blue Gene still world's fastest supercomputer

Consumes more than 1.5 megawatts of electricity

Andy Kwok

Staff Reporter

Instead of solving simple mathematical computations one at a time like its ancient counterparts, modern supercomputers can do the same task trillions more times using just one second.

IBM's Blue Gene/L, still an incomplete supercomputer, has a speed of 280.6 teraflops by compiling 65,536 processors together. The supercomputer is a 10-year jointed project between IBM and Lawrence Livermore laboratory in an effort to create the fastest supercomputer. Blue Gene/L expected to reach 360 teraflops upon completion, which is 360 trillion calculations per second.

Top500.org, which renews its

listing for the world's fastest computer every six months, ranked Blue Gene/L again as the fastest computer in the world after determining Blue Gene/L's speed using a speed counter called Linpack. Even through Linpack is not the best way to determine the processing speed of the supercomputers, but it has been widely accepted by the industry to be the most qualifying one.

"Everyone agrees Linpack is not the right metric, but no one agrees what the right metric is," said Lynn Kissel from the Advance Simulation and Computing program to CNET.

Blue Gene/L is currently on sale in 1,024-processor racks for \$2 million each and it could also be rented to its customers. Aside from the government, only several firms will be using Blue Gene, this includes SmartOps which assist other companies in their inventory management and distribution and a firm known as the QuantumBio that would rent Blue Gene's processing capabilities to other companies.

"There aren't many people who need a computer that big," Richard Fichera, vice president of Forrester Research told *newsfactor.com*.

Blue Gene/L has worked together with Purple, another IBM invented

supercomputer, to perform nuclear-weapon simulations along with other supercomputers under the Advanced Simulation and Computing program at National Nuclear Security Administration (NNSA). Blue Gene/L at Livermore will mainly be used to do computational work on subjects such as hydrodynamics, material modeling and molecular dynamics, which will then provide Purple with the data to perform nuclear weapon simulations.

It would take \$290 million to have both of these supercomputers installed in Livermore. The main difference between the Blue Gene/L and Purple is that Blue Gene/L consumes less power and uses five separate networks to run its commands.

A fully configured Blue Gene/L is expected to consume more than 1.5 megawatts of electricity, which costs Livermore more than \$1 million per year for electricity consumption.

"BlueGene/L points the way to the future and the computing power we will need to improve our ability to predict the behavior of the stockpile as it continues to age," said Linton Brooks of NNSA to BBC.



PHOTO COURTESY WWW.PNL.GOV

MASSIVELY-PARALLEL SUPERCOMPUTERS LIKE the one pictured above at the Pacific Northwest National Laboratory use arrays of processors to perform trillions of calculations per second. These leviathans of the computing world study complex interactions from aerodynamics to urban traffic jams.

Science under attack in America

Only 20 percent are scientifically literate

Curtis Ewbank

Copy Editor

Closing arguments were heard last Friday in a case in Dover, Pennsylvania about whether intelligent design should be taught in schools.

In 2004, the Dover Area School System mandated a statement about intelligent design be read prior to classroom discussion of evolution. This mandate made Dover Area Schools the first in the nation to require the mention of intelligent design.

In the case currently under review by a federal judge, eight families sued the school district claiming the intelligent design statement promotes the

Bible's view of creation and is therefore an endorsement of religion in public schools. As of Saturday, no decision in the case had been announced.

The ongoing debate of intelligent design versus evolution has prompted some in the scientific community to suggest science in the United States is under attack.

Jon Miller, director for the center for biomedical communication at Northwestern University said, "When we ask people what they know about science, just under 20 percent turn out to be scientifically literate."

While this number shows the vast majority of Americans do not care about science, some polls indicate Americans are at odds with key scientific theory.

A recent CBS News Poll found that 51 percent of all adults believe humans were created in their current form by God as opposed to having evolved from less advanced forms of life over millions of years.

A Harris Poll conducted in June 2005 found that 54 percent of respondents did not believe humans evolved from an earlier

life form. This percentage is up from a 1994 poll result showing 46 percent of respondents did not believe humans evolved from an earlier life form.

It has been reported that a third of American adults accept the big bang theory as the means of creation of the universe, while a majority of scientists accept the theory.



PHOTO COURTESY WWW.USINFO.STATE.GOV

TENNESSEE VS. JOHN SCOPES, the "Monkey Trial" of 1925, brought national attention to the religion vs. science debate. William Jennings Bryan, right, testified for the prosecution as a Bible expert.

Nanotech may lead to cancer cure

Tumors in mice shrank using new technology

Shyamal Addanki

Staff Reporter

Another large use of nanotechnology has come forth, as researchers at MIT found, in the never-ending battle for cancer treatments. This relatively new science has found a way to deliver anti-toxins to a tumor while leaving the healthy cells untouched.

The main problem with current cancer chemotherapy is the vulnerability of healthy cells to its toxins, prompting researchers to look into anti-angiogenesis. This theory postulates that if the blood vessels to the tumor were cut the tumor would starve itself to death. However, the risk is in giving the tumor a chance to re-spawn

the vessels leading to metastasis and stronger self-survival instincts.

Therefore, the ideal solution would be a combination of the two. Anti-angiogenesis would cut of the supply lines while the chemo treatments dealt a lethal blow to the tumor. None of the healthy cells would be affected and the tumor would be dead before it had a chance to rebuild the vessels to feed it oxygen.

Naturally, this poses an interesting engineering dilemma. The chemotherapy drugs need to be administered in cycles, which would be impossible if anti-angiogenesis had already cut off the blood vessels. However, if the chemo were delivered first, the healthy cells would be prone to its toxins while the vessels were still intact.

Enter the Nanocell. MIT professor Ram Sasisekharan and his team of researchers devised a carrier using ready-made drugs and materials. "We created a balloon inside a balloon, resembling an actual cell," explained Shiladitya Sengupta, a post-doctoral associate in Sasisekharan's lab, to MIT's news office.

The outer balloon is loaded with the anti-angiogenesis drug and the inner

balloon with chemotherapy drugs. The relatively large size of tumor vessels aids in the delivery of the cell, which is 200 nanometers wide. This makes the cell too wide to enter the pores of normal vessels, but small enough for the tumor vessels. One nanometer is one-billionth of a meter. The prefix "nano" comes from the Greek word for dwarf, *nanos*.

Once inside the tumor, the outer shell disintegrates and releases the anti-angiogenesis drugs, rapidly destroying the vessels that feed the tumor and trapping the cell still carrying the chemo treatment inside. The chemo treatment is then released slowly.

When initially tested on mice, the tumor shrank, angiogenesis stopped and there was much less toxicity in healthy cells, when compared to other treatments. Of the mice tested, 80 percent treated with the nanocell lasted beyond 65 days, while mice

treated with chemotherapy lasted 30 days. Mice that were not given any treatment died after 20 days.

Later tests involved a more in-depth study after the nanocell was refined.

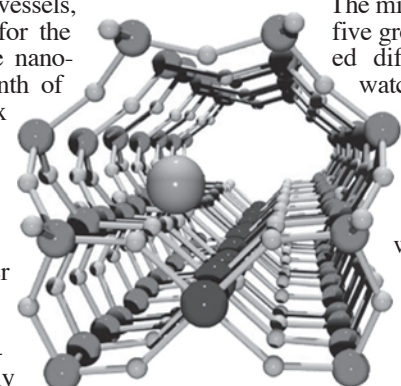
The mice were divided into five groups that were treated differently, and were watched for 100 days.

One of the groups was injected with ineffective salt-water. A second group was injected with a nanocell containing no drugs. Both groups did not survive the experiment.

Two of the other groups were given two different variations of the nanocell drugs, and in both groups the tumor shrank initially, but then rebounded, killing the mice.

In the final group, scientists injected the designed nanocell containing the necessary drugs. The tumor completely disappeared.

The MIT program was awarded \$3.2 million for research by the National Cancer Institute last month.



Copernicus' remains found in Poland

Ryan Jones

Science and Tech. Editor

Archeologists from Poland say they are nearly certain they have found the skeletal remains of Copernicus, the 16th-century astronomer who developed the then-revolutionary theory that the planets orbit around the Sun.

The remains were found under the altar of Frombork Cathedral on Poland's Baltic coast, according to Professor Jerzy Gassowski, head of an archeology and anthropology institute in Pultusk, Poland.

Gassowski said he was "97 percent certain these are Copernicus's remains, but only DNA testing could fully authenticate the find."

Using a computer to reconstruct the skull revealed the head of an elderly man of about 70 years of age, the approximate age when Copernicus is believed

to have died. Additionally, the reconstruction revealed a scar above the left eye and a broken nose, distinctive features seen in his portraits.

While Copernicus left no known decedents, DNA testing of the nearby grave sites of his relatives may provide more conclusive evidence.

Copernicus' treatise "On the Revolution of Celestial Bodies," asserted that Earth was not the center of the universe. His theory challenged the religious establishment at the time and was a defining moment in the Enlightenment of the Renaissance.

Nicolaus Copernicus said, "Finally we shall place the Sun himself at the center of the Universe. All this is suggested by the systematic procession of events and the harmony of the whole Universe, if only we face the facts, as they say, 'with both eyes open'."



PHOTO COURTESY WWW.IMAGINE.GSFC.NASA.GOV

COPERNICUS' TREATISE WAS THE crucial first step toward a scientific understanding of the Earth's place in the universe and its orbit in the solar system. His work started modern astronomy.

WiFi security law proposed in NY

Darrin O'Brady

Staff Reporter

As open Wi-Fi networks become more popular among cities and businesses, a public official in Westchester County, N.Y. wants businesses that collect customer information to have basic security on their network when offering wireless access to customers.

Possibly the first law of its kind, the proposed legislation plans to cut down on identity theft by having local businesses have corporate security enabled.

According to the eWEEK article, the proposal states that companies holding personal information must also have "secure networks that protect the public from potential identity theft and other potential threats such as computer viruses and data corruption."

In White Plains, N.Y. the Department of Information Technology team from Westchester County discovered about half of the 248 wireless networks had no "visible security."

"People don't realize how easily their personal information can be stolen. All it takes is one unsecured wireless network," said county

executive, and sponsor of the law, Andy Spano in an eWEEK article. The law aims to help where open wireless access exists on insecure corporate networks.

"We're making sure businesses have taken steps to separate the confidential data they have from the networks that offer Wi-Fi access," said county CIO and technical consultant to the proposal, Norman Jacknis in an eWEEK article.

According to Jean Kaplan, a wireless analyst with IDC in Framingham, Mass., it is uncommon to have a wireless network and an insecure corporate network. He believes that the law is an excellent idea but is going to help raise awareness about wireless networks, rather than be effective due to the complexity of a wireless network.

Abner Germanow, an IDC analyst said in the eWEEK article, "These are two separate issues. This [the question of customer data] has nothing to do with whether it's a wireless or wired network. If you gather information about customers, you should keep it separately secure anyway."

The proposal is going to county legislature and will be decided on as soon as December of this year.



Sony audio installs covert software

Program enforces Digital Rights Management

Bob Scheid

News Editor

Last week, several computer groups began accusing Sony of including malware, maliciously designed software, on their audio CDs.

Specifically, the audio CD will install a rootkit program when the CD is inserted into a drive on a computer. The program causes an End-User License Agreement (EULA) to appear. The user must agree to those terms

given in order to use the CD, but no mention is made in it of installing this kind of program in the system.

The rootkit itself communicates with the Windows kernel directly, which has two major side effects; first, it cannot be easily detected, as it is hidden within the communication of the operating system and the hardware, and second, the program can make it so that the operating system must obey any instructions given to it by the rootkit.

Other issues that are being addressed include the fact that it only affects Windows, not Linux or Macintosh; that it forces limitations on the media player used and the number of burns allowed; and that the technology used to mask the program was "crude but

effective" to the point that other, more malicious groups could copy and reuse the same code to deposit invisible, dangerous programs into the Windows kernel itself.

The original reason for the program was to help enforce Digital Rights Management (DRM). It was part of a response to recent RIAA lawsuits over ripping and burning music in the past few years. The program has been included in all audio CDs produced in the last eight months, but it became common knowledge that the program existed only in the last few days. Sony never released anything about the program, and now is saying that it cannot be damaging, else it would have been revealed sooner.

At the same time, though, they are releasing a patch for the rootkit that will make it visible to anti-spyware systems, virus protection programs, and system administrators, none of whom could detect the code before. It also makes it possible to force an

uninstall of the software, but this has also had an unexpected side effect; with some computers, it can cause Windows to crash or malfunction.

While the fixes are still problematic, some are saying that the largest damage will be to Sony itself. As this situation becomes clearer to the public, many are feeling that the company has betrayed their trust, and will think twice about continuing to support them. Record companies are distancing themselves from the problem, label ATO has already released a statement saying that it has required the program not to be placed on its CDs. And while the rootkit may be on its way out, more measures are already being planned for the future of DRM enforcement.



Hey look, it's 'Doom 3.' Oh wait, it's 'Quake 4'



IMAGE COURTESY ANDREW PENG

Andrew Peng
Staff Reporter

"Quake 4." Just saying the name "Quake" is enough to send chills of excitement through seasoned deathmatch players. I used to play it for hours on end in high school in between classes, challenging opponents from other rooms. "Quake 4" promises to deliver the excitement of Quake-style deathmatch and the continuation of the "Quake" storyline from right after "Quake II."

"Quake 4" leaves you in an invasion of Stroggos, where the primary inhabitants are cybernetic monsters called Strogg. You play as a space marine leading the invasion force. The storyline is as linear as a meter stick, reminding me of the "Halo" storyline. The game leads you around like sticking a carrot in front of a horse. The length of the single player is around 8-10 hours, which may be a bit short for some. However, the linear fast-paced storyline gets repetitive towards the end and can get annoying if it were drawn out too much.

The gameplay is excellent. A new thing introduced into the single player is light squad-based fighting. The squad system is not as advanced as "Republic Commando," but at least you have fellow marines blasting alien guts next to you. The game engine is based on a modified "Doom 3" engine and does some things that were previously thought impossible with the engine. During the course of the single-player, you will pilot hovertanks and walkers. At one

point, the game even took a turn for the arcade-type and stuck you in a train where you only job was to aim and blow stuff up.

I was not a big fan of "Doom 3" because there were way too many times where I'm hopelessly fumbling in the dark, only to have some hell-demon spawn behind me. "Quake 4" leads you, though with non-stop connected action in a much brighter environment. This game made me want to just run through the level with guns blazing shooting anything that moved.

Multiplayer has its ups and downs. Good things include classic deathmatch and CTF gameplay that all "Quake" fans are used to. A new Tournament mode is introduced, with the game automatically setting up bracketing and battles. Downsides are quite heavy though, such as the fact that the game is still 16 players maximum. You would think that by this point, we would be having at least 128 player massive blood-bath games online but the closest I've come upon this is "Counter-Strike Source's" 64-Player maps.

The graphics were good, but

not up to par with other games released around the time of "Quake 4's" release. Since it is based on the "Doom 3" engine, lighting and shadows were done very well and very realistically. The character models are done very well, and fixed some of the plastic-ish looks of the people in "Doom 3." However, the environment is modeled poorly. "Half-Life 2" renders the environment on a totally different level of quality than "Quake 4" does. Buildings, walls, and panels look like they were just a giant blurry sticker sheet. This led me to believe that the game engine is inefficient.

With a Pentium 4 3.2GHz and a ATi X800 XT PE video card, and the graphics settings in the game maxed out (except for Anti-Aliasing) at 1280x1024, I was peaking at 60 FPS (a hard-coded limit in the game) and running with lows around 35 to 40 FPS during intense battles, with the average FPS around 50. Not bad, but again games like Half-Life 2 and Far Cry achieve better graphics quality with about the same hit in performance.

Though the game supports widescreen standards, reports online indicate that the widescreen option in the game is bugged, and to enable it correctly you have to use the console, which is not something that every player knows how to use.

The Audio was very impressive. With a 5.1 Logitech X-530 surround sound set and an Audigy 2 Platinum ZS sound card, effects were rendered with awesome detail and stunning fidelity. I could hear



IMAGE COURTESY ANDREW PENG

squad mates yelling behind me as I was fighting a cluster of Strogg mobs in front of me. Music was done well and tastefully; there was no point in the game where I was scratching my head wondering what the hell the game was trying to pass by as situation-based music, like which happens all too often in "Halo" and "Halo 2" (I'm done fighting stop playing the same repetitive fight music!)

On an interesting note, the game supports the OpenAL sound system, which is a new audio standard that is designed to promote an easy way for programmers and hardware designers to work together. The idea is similar to how DirectX and OpenGL work for graphics tech-

nology. At the present, OpenAL is supported on the new Audigy X-Fi sound cards only.

The controls in the game were intuitive. When I wanted the rocket launcher, I got the rocket launcher. When I wanted the nailgun, I got the nailgun. When I wanted to hop around like a bunny, well you get the idea. Standard WASD controls around, nothing complicated and everything worked well.

"Quake 4's" concept is something this game could use a big dose of. The storyline is basically standard sci-fi linear storyline. You have to go in and destroy a facility. One plot twist, but it is introduced so early in the game that it really isn't a plot twist at all, more

like a storyline foul-up that the concept designers decided to follow-through with.

Overall the game is fun and action packed. I thoroughly enjoyed playing the game from start to finish. However, it is simply not up to par with today's game standards. Non-linear storylines, eye-popping graphics, and revolutionary gameplay are almost required by gamers in all new games. I believe the game is worth the money for those looking to have a good time shooting up aliens, but if you are looking for a game to push your computer that has the latest and greatest hardware, look elsewhere or wait for upcoming games like "Elder Scrolls IV."

Graphics	7
Gameplay	9
Audio	9
Controls	10
Concept	6
Average	7.5

'Fire Emblem: Path of Radiance,' first release in U.S.

Tommy Chen
Staff Reporter

After a period of peace and harmony on the continent of Tellius, trouble rises to destroy that peace. You are Ike, the newest member of the Greil mercenaries, which is

led by his father Greil. With your home kingdom under siege you are forced to flee and fight against the invading forces. That's basically the premise of "Fire Emblem: Path of Radiance," the ninth game in the series and first in its long line of Strategy RPG's to come to the U.S. for the home console.

The game at a glance looks like your typical strategy RPG with its grid base layout for battle maps, but "Fire Emblem" has real deep gameplay due to aspects that have been around since the beginning of the series. For starters, it implements a very well designed rocks, papers, scissors concept where swords beat axes, axes beat lances, and lances beat swords for the most basic triangle. There's one for magic and another for flying, mounted and foot units. When you mix them all together it becomes a really deep and elaborate system. Also, another series staple is that fact that if one of your characters gets killed, they're gone for good; it really makes you sit down and strategize each move you make instead of just rushing in like a runaway train.

Aside from trying to keep your characters alive, your weapons break after a fixed number of uses. This all then goes back to the triangles where you figure out which weapon is the most effective. The concern of ending up unarmed isn't really a big deal since enemies usually drop weapons at a rate faster than you can use them. Stopping and thinking if you want to use the weapon really just applies to the more powerful ones where you'll probably want to save them until later in the game.

A really, really cool thing about leveling up in the "Fire Emblem" games is that all the stats level up randomly so your characters can end up as an almighty weapon of mass destruction or as harmless as a baby with a spoon. For those who don't like the sound of that there's an option to have a

fixed rate of growth for characters, but it's available after you beat the game once. The random stat growth offers really great replay value since it makes each game feel different from the last. Also leveling up isn't that hard in this game since sometimes you can use up to an excess of 14 characters for some maps. Even the ones that don't fight can be leveled up easily by allocating them the bonus experience earned after each battle.

For the graphics don't expect life like visuals or awesome special effects, the game uses simple yet effective models for characters and backgrounds for the battle map.

It's fine for this type of game since you're usually looking at things from an overhead view. During most of the dialogue sequences static hand drawn character art and backgrounds are used. The unique character designs and use of colors makes it hard to mistake one character for another.

Audio wise, the game uses voice acting for its CG scenes, which are done really well, since most localized voices in games are so-so. The battle music and sound effects is pretty generic and sometimes overused, especially the battle cries. The background

themes on the other hand help give it the fantasy world feel to match up with the games setting.

In the end, it feels good to have a console version of "Fire Emblem" instead of on the Gameboy. "Fire Emblem" is an awesome addition any Gamecube owners collection, but for first timers to the series, I advise trying it out first because the strategy

elements for the game can be a bit overwhelming. Sure, the story may be a little generic, but with such a large cast of unique characters and deep strategic gameplay makes "Fire Emblem" one of the top strategy RPG's available. And considering it's the tenth Fire Emblem game shows there's something about the series that made it last so long.

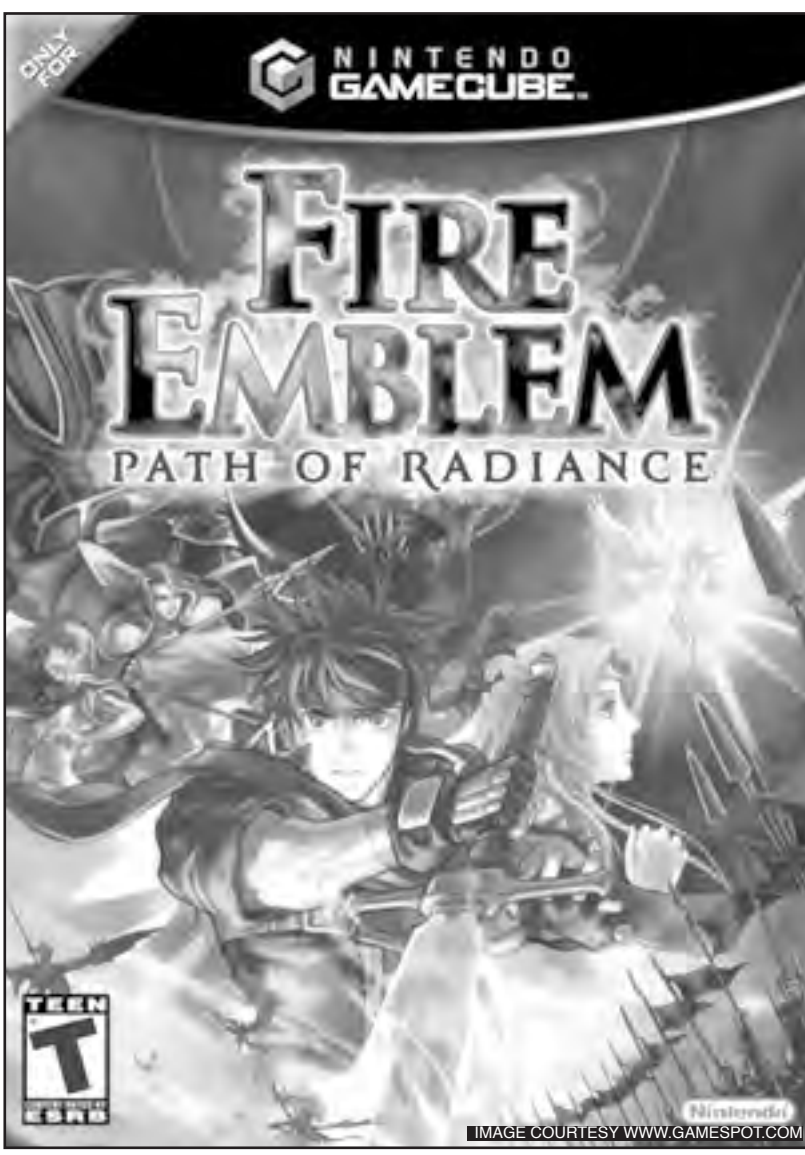


IMAGE COURTESY WWW.GAMESPOT.COM



Xbox 360 launch titles



Perfect Dark Zero
FPS, releases Nov. 16
Supports multiplayer on Xbox Live for up to 32 players.



FIFA 2006: Road to FIFA World cup
Sports, releases Nov. 15
Xbox 360 exclusive title, focus on next years event



Dead or Alive 4
Fighting, releases Nov. 18
Gorgeous Temco fighter sure to push the new console to its graphical limits



Project Gotham Racing 3
Racing, releases Nov. 14
180 real life sports cars to choose from, with no more pesky classes to choose

A Passion For Flight



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GET THE PONG

**HONE YOUR BEER PONG SKILLS:
DIVERSIONS, PAGE C2**



Hone your beer pong skills and head out for some competition

Ashley Moore

Diversions Editor

Beer pong isn't just for college parties anymore, it's sweeping the nation and has found a home at Finnegan's Daytona Pub, where both young and old come to show off their skills at the weekly beer pong tournament.

When owner Tom Finnegan and manager Kevin Williams heard that Thirsty Thursdays at Fuel was on a downward spiral, they got in touch with 103.3 the Vibe and started talking about beginning a Thursday evening event at Finnegan's. D.J. Tremble was interested in hosting the

Thursday evening event, and came up with the idea of a weekly beer pong tournament. The made a reality a couple of months ago and competitors now come from far and wide come to compete for the weekly grand prize. "You have to tune in to find out what the grand prize will be for the week," Tremble said.

"Everyone has a really good time, we get a lot of really good feedback," Williams said. "Since we've

started the event up, it has become one of our bigger nights, even bigger than weekends." The tournament usually begins at 10:30 p.m. and lasts until the final round has ended, usually at 1:00 a.m.

Those interested in competing in the tournament, pay the initial one dollar (per person) entry fee and sign up at the bar closest to the door. When your beer pong team is up, the team's name is called and the table is appointed. The team is

given six clean cups and a new cup of wash water. Each team is given one half of a pitcher of beer to fill the cups with, and then the game begins. Two of the three tables appear to have poor lighting, which could be seen as detrimental to the game, however, nobody seems to complain. Dustin Blackwell, a student at Bethune-Cookman and a first-time customer at Finnegan's, was enjoying his evening at the beer-pong tables and said, "Beer pong isn't great; it's glorious."

Once eliminated from the tournament, you can head to the front of the bar where the band Click Pleasure is playing every Thursday. Finnegan's Daytona Pub is located at 3121 S. Ridgewood Ave. in South Daytona.

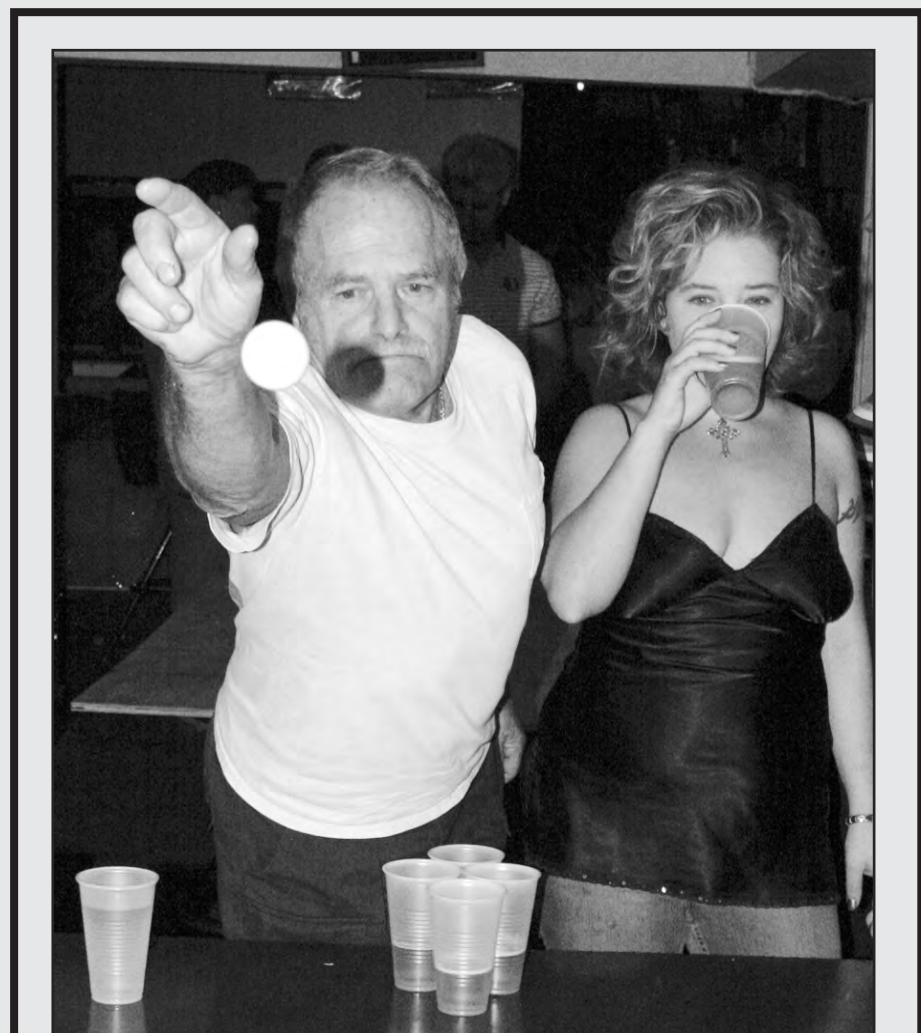


SHYAMAL ADDANKI/AVION

FROM LEFT TO RIGHT: owner Tim Finnegan, D.J. Tremble from 103.3 the Vibe and manager Kevin Williams welcomed *The Avion* newspaper to Finnegan's new Thursday evening event.

"Beer pong isn't great; it's glorious."

- DUSTIN BLACKWELL



SHYAMAL ADDANKI/AVION

THE YOUNG, THE OLD, male and female come to Finnegan's on Thursday evenings to enjoy the Beer Pong Tournament hosted by 103.3 the Vibe. Tournament winners end up with lots of cool prizes.

Basic beer pong rules ... every table comes with a different set

1. Six Red or Blue "Party Cups." Fill the beer up to the first rim on the cup (about 1/3 full). This equals two full beers per team. We arrange them in a pyramid, three cups in the back, two in the middle row, one in the front, all tightly pushed together. The cups are on either end of ping pong table, or about 15 feet apart if you don't have a ping pong table.
2. Water Cup. There is cup of warm water to dip the ball in, in the event that the ball picks up something unpleasant off of the floor.
3. Singles or Doubles (same rules, if you're playing doubles partners rotate shots and drinks)
4. Lobs only.
5. Bounces off of anything count. As soon as the ping pong ball hits something, you can smack it away so it won't bounce in.
6. Drinks occur right after the shot is made. You can't shoot back until your drink is drunk.
7. Rebuttals. After the last cup is made, the team behind gets two shots (one per partner) to try and rebutt.
8. Blowing. If the ball is spinning around the cup and not yet touching the beer, female players can attempt to blow it out of the cup. Male players can not blow the ball out of the cup in the event it is spinning.
9. Reracking. A team is allowed three reracks; once at four cups, once at three cups and once at two cups.
10. Have fun and play competitively!

RULES COURTESY WWW.BEERPONG.COM

Yellowcard rocks Fuel nightclub in Daytona Beach

Melanie Pugh

Copy Editor

This is how it goes. Any relatively decent band hoping to make a name for themselves starts out touring non-stop.

They build a fan base, pay homage to their hometown thirty-seven times in one set, and claim that every city is the best they have ever played. Eventually, the band in question will sell a few albums, take over TRL, alienate said fan base by playing sold-out stadium shows, and lose sight of having any hometown at all.

Though it seemed as if the boys of Yellowcard were heading in that direction, they appeared to be an exception to the rule.

Yellowcard, hailing from Jacksonville, took the stage of Daytona's decidedly small Fuel Nightclub on Nov. 2. With openers Shadow Agency, The Pink Spiders, and Acceptance, the show proved to be a hit. Front man Ryan Key told the crowd that the reason for the smaller venue and rarely played older songs was to show appreciation to the old school fans.

In addition to the older tracks, which included "A.W.O.L." and

"Avondale," the band also previewed three songs, including the title track, from their new album, "Lights and Sounds," due out Jan. 24, 2006.

"Yellowcard was one of the best shows I've been to, Acceptance was awesome, as were the other two openers. I thought it was really cool how they debuted a bunch of their new songs because we were in a much smaller environment," sophomore Casey Grover said.

Another added bonus was the presence of Warren Cooke of Shadow Agency, also from Jacksonville.

Cooke was the former Yellowcard bassist before the band had a falling out, as detailed in Yellowcard's "Empty Apartment." As the band dedicated "Apartment" to Cooke, he took to the stage and gave members a nod of approval as Key crooned, "Maybe someday I will see you again/ And you'll look me in my eyes and call me your friend." As a relatively local show for Yellowcard, Key's parents were also in attendance.

Yellowcard, which has spent the majority of the year recording the new album in a studio, had taken a ten-month hiatus from touring prior to the current tour. This is in contrast to the two years they spent on the road beforehand, in promotion of their much acclaimed "Ocean Avenue."

They have also gone through a number of lineup changes throughout their history, and this year is no exception. Guitarist Ben Harper was

replaced by Ryan Mendez during recording of the new album, leaving only two founding members: Sean Mackin on violin and Longineu Parsons III on drums.

All distractions aside, the band put on a stellar performance. They were able to interact with the crowd and receive feedback on their new material. With one of the best shows I have seen in my five years of following the band, this fan was thrilled to not have to watch the band projected on a screen from a mile away.

"... one of the best shows I've been to, as were the other two openers."

- CASEY GROVER

Steve Martin's 'Shopgirl'

Don Macanlalay

Guest Reporter

Comic Steve Martin writes, produces and co-stars in "Shopgirl," based on his 2000 novella of the same name. The film is directed by Anand Tucker and co-stars Claire Danes and Jason Schwartzman.

Though the film closely follows Martin's best selling novella, "Shopgirl" borders the line between romantic comedy and romantic drama.

The movie is a good film, whose story is as interesting to watch on the big screen as it is to read in the book. However, the movie continues on slowly, only bringing a hint of life each time

Jason Schwartzman is on screen. Mirabelle (Danes) is a struggling artist working in Hollywood's Saks Fifth Ave., in the ever neglected glove department. Lonely, she plods her way through her days trying to find comfort through her art, eventually finding it with two men.

While doing laundry one evening, Mirabelle meets the ever quirky Jeremy (Schwartzman), who seems all but immature for her. Then comes Ray Porter (Martin), a wealthy businessman who somehow manages to sweep Mirabelle off her feet with a little more grace than Jeremy.

The problem is who will she choose or can she? Each of the three performances are quite good, however, it is Jason Schwartzman

that steals the show. Most known for his role of Max Fischer in Rushmore, Schwartzman's comedic timing while playing Jeremy brings some humor and sympathy into Mirabelle's lonely world.

Martin plays an atypical role, going for more of a dramatic performance with his take on Ray Porter. Yet, his performance returns him to an intelligent brand of dry comedy that made him famous.

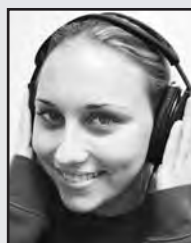
Danes plays the main character, playing a depressed artist on the verge of a breakdown. She portrays Mirabelle with the right amount of longing and loneliness, yet her performance can be taken for granted if you have not read the book.

Even though the film has a very slow pace, it has three good performances. It is heartbreaking and humorous at the same time, and while the plot is well done, if nothing else, Jason Schwartzman is the reason to see this film.



PHOTO COURTESY WWW.YELLOWCARDROCK.COM

Ashley's Assertion



Ashley Moore

Diversions Editor

Earlier this week, I was speaking with Chris Noth (featured in Opinions) about a topic that we could write a point and counterpoint about. He is a little more on the ball than I, so he went ahead and wrote his article first.

While reading through it, picking out the parts I disagreed with and what I was going to argue against I found myself laughing hysterically. It was great; I was loving it, until I got to the bottom where I found my reality exposed.

"She's globalizing because she is upset with her own situation; because she got hurt." Chris is right. I am hurt and I am upset with my situation, but that does not mean that my theories on love and relationships are incorrect. If anything, my situation has made me stronger and given me the opportunity to analyze what went wrong.

I mean, some of the best inventors and theorists came up with their theories because they were bitter and driven. For example: don't you think Sir Isaac Newton was a little angry with his situation when an apple whacked him on the head, and didn't that help him analyze his situation and discover gravity?

Alright, I am going to try and bring this assertion back to the topic Chris and I are debating. Yes, I believe most women want relationships and most

men do not. And yes, I believe that the few men who are interested in real relationships are more likely to have any woman they want (within reason of course). Now, how did I come to this conclusion you ask? Simple women thrive off of relationships: relationships with their families, relationships with their friends, and relationships with their significant others.

Men, on the other hand, do not thrive off of relationships; they partake in relationships but they do not envelope their lives in them. For instance, if you have ever heard what women talk about in the car with one another or at Starbucks, chances are that 90 percent of their conversation will be about relationships.

On the other hand, when men are in the car or fishing they will talk about airplanes, politics, poker, sports, and sometimes just a sentence or two about their girlfriend or wife. Of course, this does not apply to everyone, but next time you hear two really close girl friends talking, and two really close guy friends talking, note the difference in their conversation topics.

So why is it I believe a man interested in a relationship can pretty much have his pick of the litter? Well, women think men they can speak to on an intimate level are

attractive. So whether a guy is hot or mediocre in looks is not as much of an issue, as long as he listens, cares about her feelings, and cares about how her other relationships (family and friends) are going.

Generally speaking, women will consider most men that show interest in them for a relationship, because they enjoy being in intimate relationships and talking about them with their friends. So, guys, if you have a girlfriend far or near do not ask another girl to hang out, you are wasting her time and consideration.

For the guys out there that swear they want a relationship and cannot seem to get one, I have news for you, you either do not really want one or you are not making yourself emotionally available. If you say you want a girlfriend, you better leave time available for her and you better take down some of those emotional barriers. We, women, like challenges, but we do not want to have to scale an emotional barrier the size of the Eiffel Tower to get through to your "sensitive side," (i.e. We will give up and assume you do not really like us.)

Oh, and one more thing, Chris, maybe you are single because you are just a bit too cynical. Maybe if you got rid of the stereotype that all women are gold diggers who only care about how much debt you are in and what car you drive, you would have a little more luck. P.S. I like a guy that is athletic, can read, dance and drink It is all about balance.

The Riddle of Life

By Jonathan Mettin

Friday's Rock Out Rally proved two things:
1) College students like getting stuff for free.
2) They really don't care why they get it.



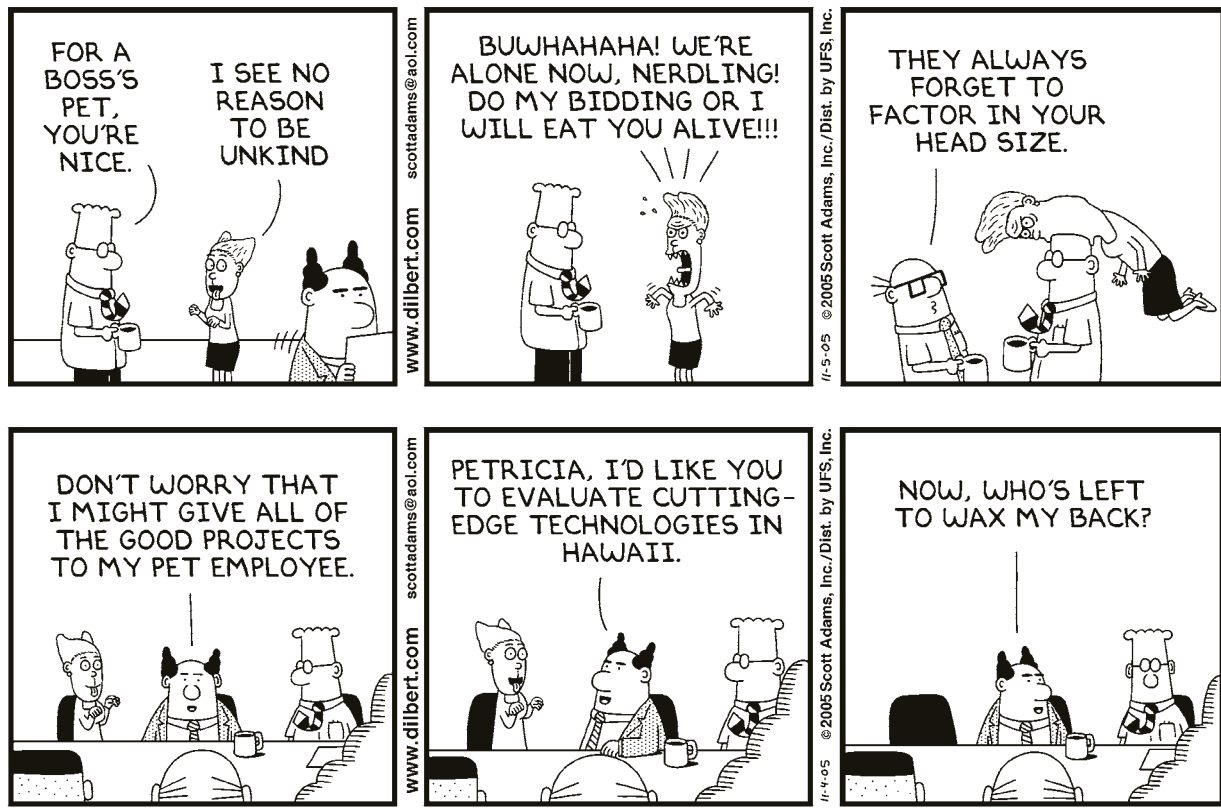
Klyde Morris

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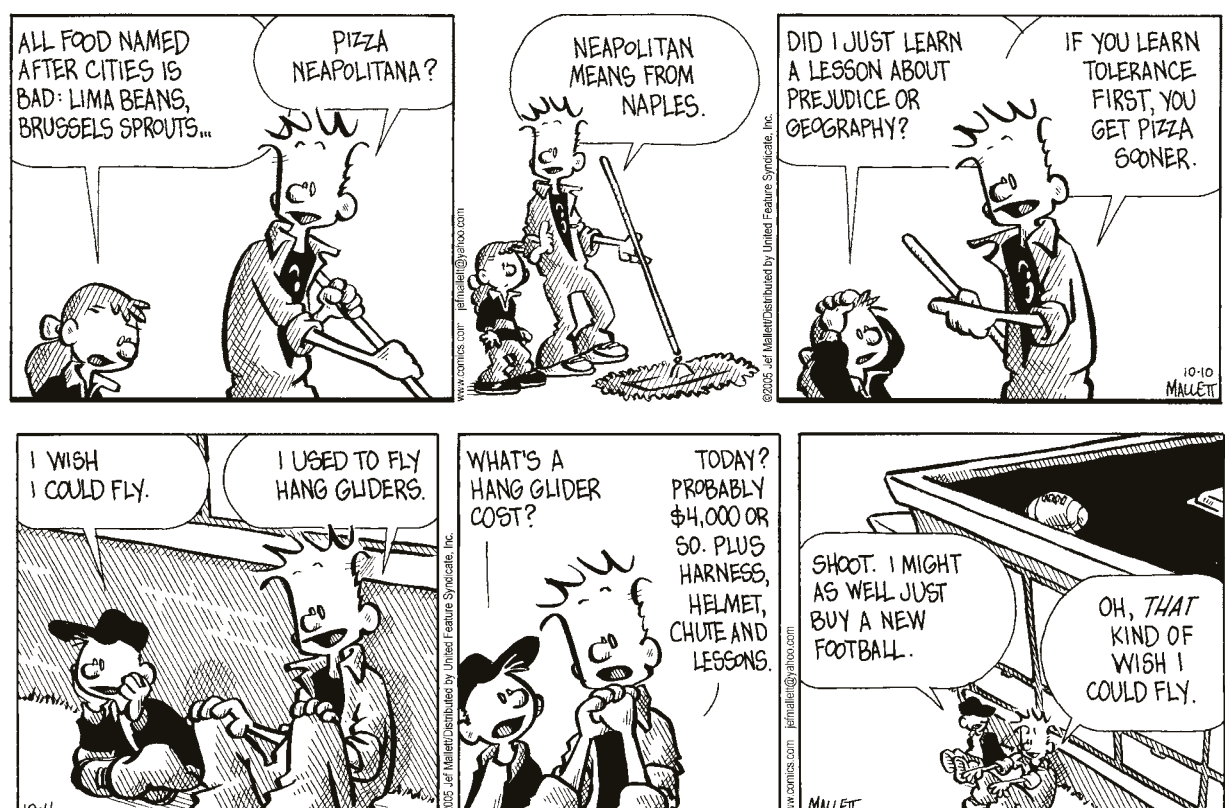
by Wes Oleszewski



Dilbert by Scott Adams



Frazz by Jef Mallett



Living on the Edge by Patrick Kokorian

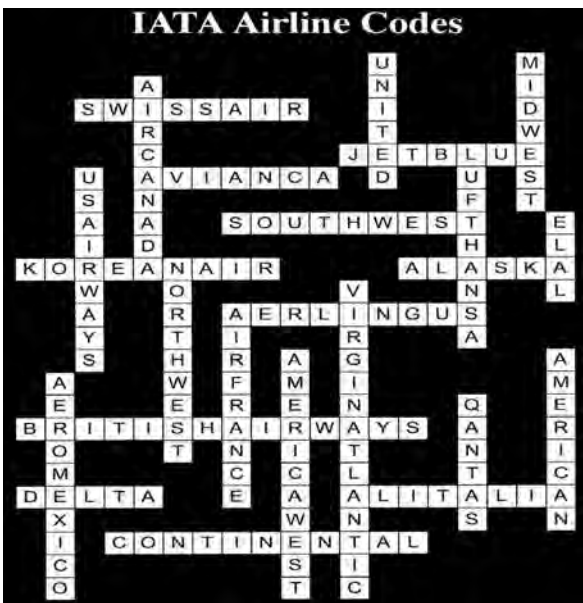


Around the World in 80 Days

CREATED BY CHARLENE VALERIO

- ACROSS**
- Largest province in Canada
 - Holds Apra Harbor
 - Formerly Tanganyika and Zanzibar
 - Island uninhabited until settled by British in 1627
 - Asian nation with largest population density
 - Third most populous nation in the world
 - Small country on Horn of Africa, butt of many MUN jokes

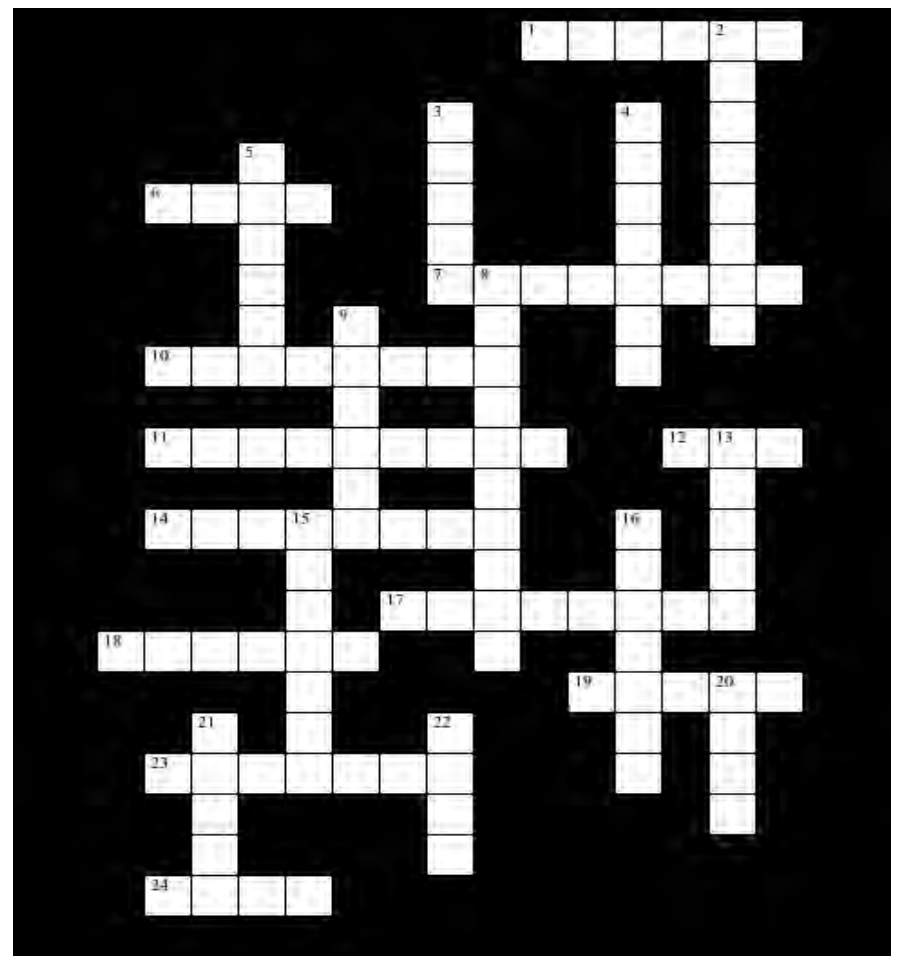
Last Week's Answers



- Number of countries in South America
- Capital of Czech Republic
- Yen is the currency of _____
- Ocean Baker Island is located
- Currency of the Philippines

- DOWN**
- Country that is the hottest place on Earth
 - Where in the world is Carmen Sandiego? (the country, as given by Google)
 - Country of the northernmost capital on European continent
 - 23.5 degrees north of the equator
 - World's smallest continent
 - Capital of Mali
 - Country whose lottery is called "EL GORDO" ("the fat one")
 - Bl is the official license plate abbreviation for _____
 - The Blarney Stone is a landmark for _____
 - Only US city with no consonants
 - State with the fewest syllables
 - What Soviets call the USSR

The first three people to turn in a completed, correct crossword will receive a Subway gift certificate. If you have turned in a crossword for a prize in the last month, you are not eligible.



Protest rocks campus

More than a thousand rally for Board of Trustees vote

Sara McCook
SGA President

Embry-Riddle prides itself on the special heritage and tradition that its foundation was built upon and continues to thrive upon. What makes Riddle stand out from other universities in our category is the fact we, as a university, do not mold to the cookie-cutter style of being a university that our counterparts are currently following. Whether or not you like, hate, or love our University you are here, right this moment, for most likely one main reason.

You chose Riddle for its excellence in the field of academics you wish to

pursue. Riddle constantly finds itself being one of the "best programs" in one aspect or another while at the same time accepting 80% of its applicants.

The rally this past Friday not only voiced student concern over the Board of Trustees issue, but at the same time solidified the passion and belief in the students' voice and vote. Over the course of the day nearly 2,000 students walked through the west lawn, 1,669 signatures were received to save the student voice and vote, 300 t-shirts were handed out and worn all day and food for 1,000 was served. All of this would not have been possible without the hard work from the Student Representatives, Touch-N-Go, Eagles FM, Student Court, Finance Board and *The Avion*.

For such a progressive University that prides itself on uniqueness and individuality, taking away the student voice and vote on the Board would place us in the same realm as the other "cookie-cutter" Universities. Only 12 percent of

universities across the nation have a student and faculty member sit on the Board of Trustees, much less as a full voting member.

Having a student in that position is much more beneficial than destructive. We, as students, want what is best for this University, it is our alma mater. We, the students, are the university.

With 90 percent of revenues coming from tuition, students need to have a voice and vote to help in the decision making processes for the direction of our University. Students and faculty have had a vote for the past 30 years and were placed there by former President Jack Hunt, because he saw and believed in the importance of the student voice and vote.

With the Board meeting on Nov. 12, the decision will be made. Know, as your SGA President, I will do my best to preserve the heritage and tradition of ERAU. What is best for the students is and will always be what is best for our university.

Study seeks test pilots

Rodney O. Rogers
Associate Professor

An airplane upset is any unexpected attitude that threatens a pilot with loss of control, currently the leading cause of hull loss and fatalities in air transport operations as well as in general aviation. Drs. Cass Howell and Rodney Rogers of the Aeronautical Science Department have been awarded a \$200,000 FAA grant to study upset recovery training transfer. The research will address the question of whether upset recovery training using low cost desktop computer simulation develops skills that enable a pilot to recover an airplane from an in-flight upset.

The research experiment involves evaluating student pilot responses to upset situations in an actual airplane. One group of students will be trained in upset recovery on the Microsoft Flight Simulator. A second group will have the same flight background as the first group, but will receive no upset training. Students participating in either group will receive a one hour free flight in an Aerobatic Beech Bonanza. During a portion of the flight, they will attempt to recover the aircraft from

several unusual attitudes. A student is eligible to participate if he or she holds a current instrument rating, has completed a course in aerodynamics (AS309 or the equivalent), and has no prior aerobatic or upset training experience. A total of sixty students is needed, thirty in each group.

There are two ways individuals may volunteer to participate in a Bonanza flight. Those students who desire to receive simulated upset training should register in the Spring 2006 semester for AS471, All Attitude Flight and Upset Recovery. The one credit hour course meets one hour a week for the first ten weeks of the semester, with the Bonanza flight scheduled at the end of the course. The fixed tuition price for students taking between twelve and sixteen credits ensures that anyone signed up for no more than 15 hours in the spring can add AS471 at no additional cost. The Bonanza flight is optional and is not required to receive academic credit for the course.

The other way to volunteer for the experiment is to contact Dr. Rodney Rogers at rogers@erau.edu. Individuals who volunteer in this way will not receive upset recovery training for academic credit, but will be given a free Bonanza flight toward

the end of the spring semester. Dr. Rogers may also be contacted at 226-6436, or in Office 233 in the College of Aviation Building. However, e-mail is the preferred method of contact.

The Bonanza flights will be conducted under contract with the Calspan Corporation. Calspan is known internationally for its In-Flight Upset Recovery Program in Roswell, New Mexico, a three day course during which airline pilots receive a flight in the Beech Bonanza and in a Learjet. They use their Bonanza to introduce pilots to unusual attitudes and to the high "G" forces sometimes required to recover from them. The Lear is computer configured to provide pilots in the right seat with control responses simulating a large air transport airplane, for example a Boeing 737. The Learjet computer can also simulate various aircraft malfunctions that in the past have led to air transport upset accidents. Such malfunctions include rudder hardover, stuck aileron due to icing, and inoperative flight controls due to loss of hydraulic pressure. Rogers is a 2003 graduate of the Calspan program at Roswell.

This article was co-written by Charlene Valerio.



DON MACANLALAY/AVION

EVAN HALBHUBER (RIGHT) WAS one of the many volunteers that participated in Friday's Rock Out Rally. More than 1,600 signatures were collected to petition the Board of Trustees to save the student vote. The final outcome of the voting controversy will be decided at the Board meeting on Nov. 12.



PHOTO COURTESY RODNEY O. ROGERS

DR. CASS HOWELL IN ERAU's Low Cost Flight Simulation laboratory. The research will examine in-flight upset recovery situations at unusual altitudes using Microsoft's Flight Simulator. Airplane upset is currently the leading cause of hull loss and fatalities in air transport operations and general aviation.

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November 12th

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