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Baseball title run halted in the ninth

First seeded Eagles find fierce competition at World Series

Jonathan Mettin
News Editor

Eagles baseball's NAIA World Series run came to an abrupt end Tuesday when host Lewis-Clark State College Warriors scored in the bottom of the ninth to take an 11-10 victory and eliminate top-seeded Embry-Riddle from the tournament.

Earlier in the series, the Eagles beat Concordia 7-4 in the second round after enjoying a first-round bye. Embry-Riddle scored four runs in the first and never looked back, capitalizing on three Concordia errors and seven hits, including a Bernie Hurley double, for the win.

In round three, Embry-Riddle faced the Cumberland Bulldogs, a team that had bested the Eagles in their past three meetings. The Eagles took an early 2-1 lead into the fourth, but the Bulldogs exploded for six runs in the bottom of the fourth, including a grand slam by first baseman Alberto Cruz, his nineteenth home run of the year. The Eagles out-hit the Bulldogs 10-9, but stranded 12 runners in the game. The loss knocked the Eagles into the losers' bracket of the double-elimination tournament. Lewis-Clark was also knocked into the losers' bracket earlier in the tournament and was scheduled to play Lubbock Christian, but since Lewis-Clark and Lubbock Christian had already met in the tournament, the Series committee altered the schedule so there would not be a rematch, giving ERAU and LCSC their fourth World Series contest in as many years.

Lewis-Clark opened up the scoring in the bottom of the second, loading the bases with no outs. Eagle pitcher Brian Letko managed to get three outs in the next three batters, however, allowing only one Warrior to cross the plate. The Eagles loaded the bases themselves in the top of the third, all of them hit by pitches. A single by first baseman Shawn

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Intense drought fuels Fla. wild fires

Heather VanAntwerp
Campus News Editor

So far this season more than 8,000 acres of land has fallen victim to the wildfires that have occurred across Florida. Most damage has occurred in Volusia, Brevard, Hillsborough, and Lee counties. Over the past several weeks, these fires have been an annoyance. Billowing smoke into the air, raining ash down, and closing local roads, including Interstate 95. But the most noticeable losses have been of wildlife, forests, and (most unfortunate) many residences.

Governor Jeb Bush was even led to declare a state of emergency on May 10. This order enabled the Florida National Guard to provide emergency support to Florida's

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STORM SEASON

SPECIAL REPORT

Nicole Titus
Staff Reporter

Since 2004, Volusia County has felt the impact of four major hurricanes, a tropical storm, severe regional flooding, and devastating forest fires. This season's activity is also expected to be above average and has gotten a lot of people's attention.

On Wednesday, the eve of the first official day of hurricane season, ERAU held its first hurricane preparedness seminar.

For the 2006 season, the National Oceanic and Atmospheric Administration (NOAA) predicts there to be 13 to 16 named storms, eight to 10 hurricanes, and four to six intense hurricanes (winds higher than 110 mph). Last year there was a record 27 named storms, with 15 hurricanes and seven intense hurricanes. These numbers are way above average, since a normal hurricane season typically only has 10 named storms, six hurricanes, and two to three intense hurricanes.

"Before the storm, everyone's a Republican, after the storm everyone's a Democrat," said Rick Moore, an employee of the Volusia county emergency management. Moore was speaking of the role that American's expect their government to play in hurricane recovery.

Emergency management is responsible for natural disasters including fires, hurricanes, and lightning, as well as accidents and intentional disasters.

Moore made it very clear that "Katrina wouldn't happen here" in Volusia county. When Katrina hit New Orleans, a lot went wrong. First of all, about 100,000 New Orleans residents did not have vehicles. This meant they had to either stay in their homes or they had to rely on the overcrowded public transportation to get them out of the city. Another problem that elevated the Katrina disaster was the fact that the city is below sea level, which in turn worsened flooding in the area. But most importantly their emergency management was not prepared for such a disaster.

Fortunately, Volusia County has a plan. Transportation shouldn't be an issue, since the majority of residents have their own vehicles. But if not, then Volusia County school buses would be able to provide transportation. Another plus is that Florida Statutes

require neighboring counties to "host" shelters if there is a need. The risk of flooding shouldn't be as bad as New Orleans since Volusia County is above sea level.

Moore talked about the number of shelters available, including shelters for the general population, for people with special needs, and animal friendly shelters.

But self-reliance during a storm was emphasized a lot. In most cases assistance will only come to those in the most need of aid. Volusia residents should be prepared to live without electricity for three to seven days and have a seven-day family supply kit readily available.

Moore also stressed having a plan if you choose to evacuate. Know where you are going, when you need to leave, what to take and how to get there.

Dr. Randy Barry, meteorologist and assistant professor at ERAU, gave a basic lesson on hur-

ricanes and spoke about the potential hazards to be aware of during a storm. High winds, storm surges, tornadoes, heavy rain and flooding are the most dangerous elements of a hurricane.

During a hurricane, most deaths occur as a result of flooding. Yet, only 34 percent of Florida homeowners hold flood insurance.

Recently emergency management released to the public a new surge and flood line to establish the potential flood area if a category 4 or 5 hurricane hit the Daytona Beach area. The new flood line reaches all the way past Nova Road in Daytona and almost to I-95 in certain areas of New Smyrna Beach and Ormond Beach.

Although it is "highly unlikely this area (Volusia County) would witness a category 5 hurricane," said Moore.

The seminar was hosted and facilitated by the students of course WX 429 and ERAU's applied meteorology undergraduate program.



PHOTO COURTESY NOAA.GOV

HURRICANE KATRINA MAKES LANDFALL near New Orleans Aug. 29, 2005. Katrina unleashed 110 mph winds on the Gulf Coast, killing over 1,300 people. More than one million people were ordered to evacuate their homes prior to landfall.



AVION FILE PHOTO

DOWNED POWER LINES BLOCKED Jimmy Ann Dr. in Daytona Beach following Hurricane Charley in 2004. Charley was one of four hurricanes to make landfall in Florida that year. Class was cancelled on several occasions, forcing longer class periods and one day of Saturday class.



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Boeing Delta IV rocket blasts off with NOAA payload.

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Other Contributors
Wes Oleszewski

Faculty Advisor

Dr. Tom Vickers, Professor of Humanities

Contact Information

Main Phone
(386) 226-6049

Advertising Manager's Desk
(386) 226-7697

Fax Number
(386) 226-6727

E-mail
avion.newsroom@gmail.com
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ERAU staff members depart

Heather VanAntwerp
Campus News Editor

This summer, Embry-Riddle will lose two of its most devoted staff members, Allison Austin and husband Kelly Austin. Kelly was recently offered a position as Director of the Student Union and Student Activities at the University of Pittsburgh. As such, the Austins are headed for Jamestown, Pa. Kelly will be leaving his position as Academic Advisor for First Year Programs while Allison is vacating her position as the Advisor to the Student Government Association. Allison has worked for Embry-Riddle for over five years, two as SGA Advisor. One of the most well-liked staff on campus, she has been a mentor to countless students. Thomas Kiley is sad to see the Austins' leave, saying, "We're really going to miss them around here ... You'd be hard-pressed to find two people on this campus more devoted to the students than Allison and Kelly."

During the last year, the Austins became the proud new parents of a beautiful baby boy, Aiden Noah Austin. The family plans to move

mid-summer in order for Kelly to start the fall semester at Pitt. When asked about her future plans, Allison responded, "my first priority is my baby. I plan on taking time off to raise him, look for a new job and then set up our new home."

Not particularly sure what position she wishes to pursue in the future, she plans to take the advice of one of her students, "to continue spreading goodness elsewhere." For someone as devoted to the welfare of the students as Allison, this task will assuredly be an easy task to accomplish.

Despite her short time as SGA Advisor, Allison made an enormous impact on almost every student she worked with. She consistently goes above and beyond and constantly reaches out to those students who need guidance, or simply a friend.

While the Austins are excited about the uncertainty that accompanies a family move, one thing is absolutely certain. As advisors, mentors and proud new parents, Allison and Kelly are loved dearly and will be sorely missed, especially by the SGA and its divisions. *The Avion* would like to thank Allison and Kelly for their guidance and wish them the best of luck and a fond farewell.



PICTURED ABOVE ARE HUSBAND and wife Kelly and Allison Austin. Planning to leave before the end of the summer, the couple plans to relocate to Jamestown, Pennsylvania.

Volleyball team goes on recruiting spree

Jonathan Mettin
News Editor

Embry-Riddle volleyball head coach Joslynn Gallop has signed five new recruits to the team, adding to the already-potent offense and bolstering a defense weakened by a lack of returning players.

Now entering her second season at the helm of the Eagles, Gallop again has hit the recruiting trail. Gallop's recruits, including FSC Player of the Year Janelle Marinos and Marissa Gonzales, shattered school records last semester and carried the team to a third-place 24-12 finish after a dismal 3-30 season in 2004.

Savannah Trakes was Gallop's first signing of the year. Planning to major in Air Traffic Management, Trakes has been praised by Gallop as an impact player. The 5'10"

California native will join Marinos and Jenni Nelsen as an outside hitter for the Eagles.

April Ebanks joins the Eagles after two years with the South Florida Community College Panthers, the same program where Gallop found Mia Jaramillo. Coming in with a .303 hitting percentage, 1.143 blocks per game and .545 service aces per game, Ebanks intends to major in Civil Engineering.

Jenn Meglic is a 5'11" middle blocker from Florida's All Saints Academy, where she posted over 1000 kills and 150 blocks. "She will compete

for playing time with the other middles on the team," Gallop said. "Jenn is a talented middle that will give us more options offensive and defensively." She will study Applied Meteorology.

“... Gallop again has hit the recruiting trail...”

- JONATHAN METTIN

Rebecca Heller is a four-year varsity letterwinner from Rome, Ohio's Ledgemont High School, also earning another seven letters from basketball and softball. She plans to major in Aerospace Engineering.

Rachel Ridder, daughter of ERAU Athletic Director Steve Ridder, comes to the team from NCAA Division III Transylvania

University, which posted a 12-18 record in 2005. While she primarily played as an outside hitter, Gallop intends to play Ridder as a libero, joining Amanda Meller as the defensive specialists of the team. Nancy Sabl and Marcia Bullara-Smith, the primary liberos from the past two years, played their final seasons last year. Ridder has local playing experience, playing under former ERAU head coach Trina Keeton and current assistant coach Blake Rawlins. She plans to major in Communications.

The season begins on Aug. 25 with a tournament in New York. The first home game is scheduled for Sept. 1, with the first conference game Sept. 8 at Warner Southern. Flagler, who no longer plays in the Florida Sun Conference, will still play against Embry-Riddle on Nov. 1 in the ICI Center.

Wild fire threat across Florida continues

“FIRE” from Front

Division of Forestry and to the Division of Emergency Management if necessary.

Army Guard helicopters have

stood by for wildfire assistance missions. According to state officials with Florida National Guard Army Aviation, a UH-60L Fire Hawk and two UH-60 Black Hawks have been available for the fire suppression

missions. The Florida Guard has specially equipped the Black Hawk helicopters by outfitting them with buckets that can carry water over the wildfire outbreaks. The Fire Hawk retrieves water through a snorkel

and can hold up to 1,000 gallons in its external tank. The water can be mixed with foam in order to be more effective.

The cause of these fires has been attributed to the recent extreme dry conditions, as well as debris left as a result of the past hurricanes. The fallen foliage mixed with the layer of dried out dead vegetation upon the forest floors. With such a large amount of dried leaves and trees, the smallest spark from a cigarette, or even lightning can cause an entire forest to burst into flames.

In order to stop the fires before they begin it has been advised by fire specialists from the Division of Forestry to organize small contained burns. Small controlled fires mimic what wild fires do naturally, the only difference is private property and human lives are not put into danger.

Without these regular maintenance burns, overgrowth in the forests, and the piles of vegetation, not only cause a fire hazard, but make it difficult for deer, and other wildlife to travel. So, it is a natural process for forests to catch on fire, but with residences near by makes it dangerous. After the fires have died, the soil is reconditioned in a way, and allows for healthier plants and trees to grow once more. These fires are definitely a vicious cycle, but with proper knowledge of how to avoid them, perhaps more will be prepared in the future.

But, current conditions are too dry for these prescribed burns. The levels of dryness are depicted in the picture on the left. It can be seen that almost all of Florida is continually in danger of rogue wild fires.

With all the debris left over from the hurricanes, and the extremely dry conditions, it is said that a spark from any source is likely to cause a raging fire. So be advised to this, and be aware of your surroundings. Like Smokey himself said, "Only we can help prevent forest fires."

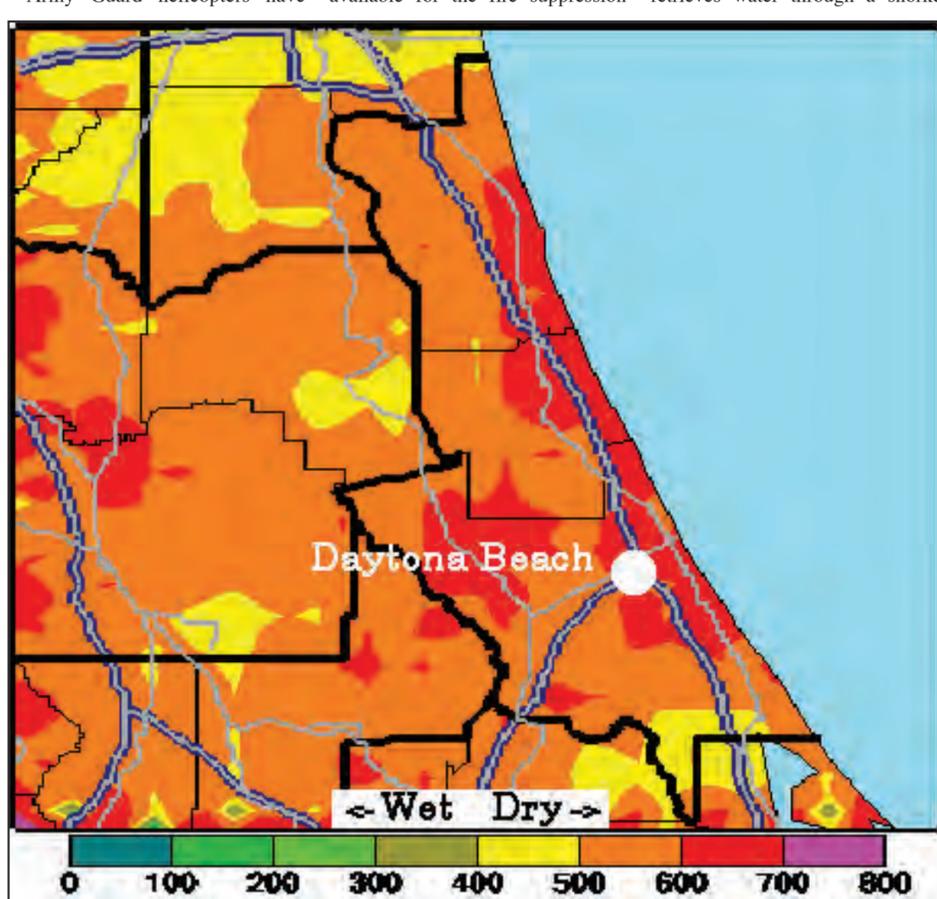


PHOTO COURTESY OF FL-DOF.COM

THE ABOVE MAP IS a representation of the drought level across Volusia County and its neighboring counties. The dryness level in Daytona Beach is currently among the highest, and therefore the area remains susceptible to wild fires.

Eagles lose world series by one run

“BASEBALL” from Front

Williams drove in one run before Warrior starter Shannon Wirth closed out the side.

The Warriors blew the game open in the bottom half of the inning, plating five runs on a double, a walk, a single, a three-base error from the Eagles defense and a sacrifice fly.

They gained another run in the fifth and again took advantage of Eagle miscues on the fielding and pitching ends to add three more in the sixth.

Trailing by nine, the Eagles rallied, plating four in the seventh and five in the eighth, with doubles by third baseman Victor Roldan, right fielder and FSC Player of the Year Derrick Pyles and shortstop Michael Brady

and a three-run home run by pitcher Josh Smith.

The Warriors put runners on the corners with one out in the bottom of the ninth. After an intentional walk to load the bases and try force an out at home, LCSC's Allen Balmer singled down the first base line to score Justin Fuller and end the Eagles' pennant hopes.

Lewis-Clark advanced to the championship game, ironically facing Cumberland for the title. Going into extra innings, Lewis-Clark won the crown 5-4 in the eleventh off of a bases-loaded walk.

Pyles and Letko were named First-Team All-Americans, while Roldan, Smith, Hurley and Josh Doane garnered All-American honors.

Polly Vacher speaks about trip around the world

Mijeong Yoon
Staff Reporter

With the objective to fly a single-engine aircraft around the world and to endow an annual flying scholarship for a disabled person, Polly Vacher is breaking world records and drawing world's attention with "Wings Around the World."

She started learning to fly in 1994, at 50, as she was retiring as a music teacher. Now at the age of 62, she has flown around the world twice, the first one back in 2001 and the second one in 2003-2004.

Vacher made her second solo flight around the world in 357 days. She broke records as the first woman to fly around the world solo in a single-engine airplane, a Piper Dakota and landing on all seven continents including the North Pole and Antarctica which adds to about 60,000 nautical miles of solo flying. This is her second trip around the world but first time flying by the poles and setting new records.

Some observers compared Vacher's aviation feats to Amelia Earhart, according to Daytona Beach News Journal, which she replied, "I hope I don't, I don't want to end up where she ended up."

Her efforts and the "Wings Around the World" team started this project to raise awareness and funds for the "Flying Scholarship for the Disabled" (FSD). So far, Vacher and the "Wings Around the World" team raised \$570,000 for FSD.

The FSD is established to help disabled people overcome mental and physical challenges by learning to fly a light aircraft and rebuild their self-confidence and self-esteem. This is in hopes

that they will feel empowered "to explore their potential by extending their personal mental and physical boundaries," according to the program website.

Working together with The British Disabled Flying Association, each scholarship student completes a 6-week resident training at the flight schools located in the USA and South Africa. At no cost to the student, the program includes ground schooling and up to 40 hours of dual and solo flying.

On May 16, Vacher visited ERAU to talk about her flights and her team's mission for FSD. Tim Brady, the Dean of College of Aviation, introduced her. She started off saying, "Late converter is a fanatic. I absolutely love flying."

The love for long distance flying started with her husband in Australia when they flew around and through the island. The next challenge started when she was talking to her instrument instructor that she was planning on having someone to fly her over to US/Canada from the UK. Where her instructor suggested, why not fly over, she had her own airplane and a pilot's license. She thought, why not? Her adventure for long distance flying started.

In memory of Sir Douglas Barter and his indomitable spirit regardless of not having both of his legs inspired her to get involved with FSD. She trained rigorously for her flight. This included survival training with the ex-marine commanders, ditching-n-dumping training over water, camping and survival training in Alaska and the Alps which included landing on glassy ice, building an igloo and putting up a tent in freezing cold. She also had to train on how to battle polar bears. She even obtained a firearms license in the UK and learned

to use it. She used GPS for the most part of the navigation but in some remote areas, she had to use natural resources like the sun to navigate through the North Pole. She also used a GPS phone to contact JAX Flight Service station to get weather information.

When she was nervous about her flight into the icy North Pole, she told herself, "can not be scared forever" and continued on. When her instruments read 90 degrees N, she called her husband on her GPS phone to say, "I'm on top of the world." However, as she was leaving the ice region, she experienced an engine failure where she admitted that it did ruin the rest of the flight for her because it did make her anxious. However, she successfully recovered using the emergency procedures.

With her single engine Dakota going fastest at 130 knots IAS, it is no wonder the entire trip took almost a year. However, she also detoured in the U.S. to go to different schools and promote about FSD while waiting for the light to reach the poles. Also, the weather did not always cooperate, where she had to wait from ten days up to five weeks.

Overall, her trip was endearing but beneficial to many. Vacher ended her presentation with a reading from a speech written by a scholar recipient who earned her pilot license through FSD and how it inspired her to move on and live again.

Steve Wood of EAA's Young Eagles Program brought Vacher to ERAU. He is also planning on flying around the world to promote FSD, taking off from Daytona Beach this August. He said, "It was Polly who really inspired me." Currently he is working on getting sponsors for his fund raising flight.



PHOTO COURTESY OF WORLDWINGS.ORG

POLLY VACHER IS PICTURED here reentering her plane to continue her flight as the first woman to fly around the world solo in a single-engined plane. The plane is adorned with stickers from the sponsors who have helped to fund her trip to raise money for the Flying Scholarship for the Disabled.

He will be flying a super charged aircraft with 220 HP, the first auto engine aircraft to fly around the world.

Companies from all over the world sponsor Vacher's flights. The long list includes big names like Jeppesen, Shell Aviation and

Lycoming. She also has various items for sale from her trips including a DVD/VHS.

She also wrote a book to be published in September 2006, which will consist of her diary, photos from her journey and aviation history. All proceeds go towards

the FSD and her publisher; Grub Street Publishing will contribute a portion of the book sales to FSD as well.

For more information about the organization and the charity, view their website at www.worldwings.org.

Student run company sells personal airplane kits

Curtis Ewbank
Staff Reporter

The dream of an "airplane in every garage" has been with Americans since the 1950s. With the recent introduction of the light-sport aircraft rule, this dream is closer than ever. Just across the runway from ERAU, Embry-Riddle student Morgan Hunter is contributing to the light-sport aviation market by designing and selling the Personal Cruiser.

The Personal Cruiser is a single

place airplane designed to be a light-sport aircraft. It uses a 100 horsepower Corvair automotive engine to achieve a projected cruise speed of 120 knots. The Cruiser's sleek lines, beginning at its large spinner and ending in a V-tail, give away its composite construction. Most parts are created through the usual fiberglass-lay-ups-on-foam-cores technique.

The fuselage, however, is different. It uses a revolutionary Foldaplane technique to supply parts to builders. Flat, flexible fuselage panels are formed at the

shop by Hunter. These are then shipped to the builder, who connects them and forms them by dropping them between specially spaced "goalposts." After attaching strengthening bulkheads, the fuselage is removed from the forms, ready for the next step. Using the Foldaplane system, a fuselage can be made of higher quality parts than what a homebuilder would usually use, yet be shipped in flat boxes for only around \$60.

Currently, the Personal Cruiser prototype is nearly complete in Hunter's hanger. He expects to

have a test flight in the next month and be able to fly the Personal Cruiser to EAA Oshkosh in July. There are also five other Cruisers being built in a beta testing program. Once Hunter has feedback from these builders and has completed his own testing program, he will offer the kit to about 15 initial builders. He does not expect to have trouble finding buyers; he has attracted a following from his website, and some helpful publicity from one of the beta builders who works for Sport Pilot TV.

As the number of kits sold

increases, Hunter plans to expand the range of options on his kit, adding fast-build options, with the ultimate goal of having an airplane that is nearly ready to fly once it rolls out of his hangar. Since the Personal Cruiser is a light-sport aircraft, it does not have to comply with the 51 percent rule usually required for homebuilts by the FAA, saving Hunter mountains of paperwork yet also saving builders hundreds of hours in building time.

Morgan Hunter is happy to have his headquarters across from Embry-Riddle. He consid-

ers ERAU and its professors a great resource. As a student of Embry-Riddle, he "kind of double majored in Aeronautical Science and Aerospace Engineering." Currently, he is taking online courses in Professional Aviation. Hunter encourages any students interested in composite construction or experimental aviation to stop by his hangar and check the Personal Cruiser out. Just walk into Cloud Dancer Aviation and ask for Morgan. Information is also available from his website, www.fulltiltaviation.com.

McKay renovation commences to accommodate students



MELANIE PUGH/AVION

THIS PAST MAY RENOVATION commenced on the McKay residence hall. The interiors of each dorm room are being revamped, with wood-style flooring, renovated bathrooms and new air conditioning systems. The remodeling currently plans to be completed by the end of summer, hopefully before new and returning students arrive for the fall semester.

Fun Facts: Flights around the world

□ In 1924 four Douglas World Cruisers and eight Americans took 175 days to complete the first circumnavigation of the Earth by air. The planes flown were Douglas World Cruiser biplanes that were a variation of the Navy's DT-2 torpedo operator.

□ In 1933, Wiley Post was the first to fly solo around the world; the trip took 7 days, 18 hours and 49 minutes. Post flew a single-engine Lockheed Vega, called the **Winnie Mae**. The plane was equipped with a Sperry automatic pilot, a radio direction finder, and other new devices of the time.

□ In 1949, a team of flyers from the U.S. Air Force completed the first non-stop. Beginning in Fort Worth, Texas in a B-50 Superfortress, named the **Lucky Lady II**. The trip took 94 hours and 1 minute, covering 37,743 km (23,452 mi), and averaged a speed of 368 km/h (249 mph).

□ In 1986, Burt Rutan and Jeana Yeager designed, tested (along with Dick Rutan), and flew their craft called the **Voyager**, around the world. **Voyager** was the first craft to circumnavigate the world nonstop and nonrefuelling. The trip took 9 days, 3 minutes and 44 seconds.

Fun Facts courtesy www.didyounow.cd

Final Boeing 717 rolls off the assembly line



PHOTO COURTESY BOEING

THE LAST BOEING 717 airplane was delivered to AirTran Airways in May and marks the end of the 717 model's production. The plant where it was produced will also cease operations. The Long Beach, Calif. plant was opened in 1920s by the Douglas Aircraft Company to produce airplanes for World War II.

Aircraft plant in Long Beach closes after more than 80 years

Brian Case

Editor-in-Chief

The last Boeing 717 rolled off the production line and into the AirTran Airways fleet last month. The delivery marks the end of aircraft manufacturing in Long Beach, Calif., where airplanes have been made since the Douglas Aircraft Company started manufacturing in the 1920s.

AirTran placed the first 717 order in 1995, when the aircraft was manufactured by McDonnell Douglas as the MD-95. When Boeing acquired McDonnell Douglas in 1997, the aircraft was renamed the 717. The airplane is modeled after the DC-9, with its two aft fuselage-mounted engines and T-tail. The DC-9, MD-80 series, MD-90 series and 717 are so similar the pilots who fly any of those aircraft receive a single type rating in the DC-9. Graduates of Embry-Riddle's CAPT program receive training in an MD-90 simulator and earn a DC-9 type rating.

The Long Beach factory has been around since 1941, when it was constructed to build World War II aircraft. Douglas and McDonnell Aircraft Company merged in 1967 to become McDonnell Douglas. According to Boeing, over 15,000 have passed through the Long Beach factory.

AirTran Airways now operates the youngest Boeing fleet in the United States. The final 717 is the eighty-seventh for AirTran, and the one-hundred-fifty-sixth to be produced. Configured for 117 passengers, it is ideal for AirTran's short hop, low-cost operation. AirTran also flies the slightly larger Boeing 737-700.

New 747-8 to replace 747-400, compete with A380

Will begin service in September of 2009

Joshua Brown
Staff Reporter

As the old saying goes, "Out with the old and in with the new". This holds true for the Boeing Corporation, which announced the newest member of the B-747 family on Nov. 14, 2005. The 747-8 Intercontinental and 747-8 Freighter plan to help save money by operating efficiently at lower costs.

The advent of the initial 747s marked a new era in the history of aviation. Airlines were now able to carry more passengers an even farther distance than imagined. The more recent 747-400, a staple in the operations of many passenger and freighter airlines, has added even more capability along with improved efficiency. According to a Boeing press release the 747-8 will be the only jetliner in the 400- to 500 seat market to provide 450 seats in a three-class configuration

and an 8,000 nautical mile range.

This aircraft also has a noticeable difference in name. Unlike the traditional 200, 300 and 400 models, the -8 is named for its new-technology connection to the Boeing 787 Dreamliner. For a few years, Boeing had been researching the feasibility of creating a new, larger 747 that would help to continue the profitability of the current 747 program.

This new aircraft will be the direct competitor to the Airbus A-380, a new double-decker jumbo jet also capable of extremely large payloads. However, the biggest advantage the 747-8 has over the A-380 is its size. Fortunately for Boeing, the 747-8 will fit into any airport that already services a member of the 747 family (as it has only been stretched 11.7 ft from the 747-400); that is roughly more than 210 airports worldwide. The A-380 is currently able to serve a very limited amount of airports and is expected to enter service in late 2006. Even though many airports are raising funds to begin runway and gate modifications for this massive aircraft, very few upgrades, if any, are needed to successfully cater to the 747-8.

As of Nov. 14, 2005, Boeing has 18 firm orders for the 747-8 Freighter. Ten of the freighters belong to Cargolux of Luxembourg

and the other eight orders are for Nippon Cargo Airlines (NCA) of Japan. "We are thrilled to have Cargolux and Nippon Cargo choose the new 747-8 and become the launch customers for this next generation of the proud and valuable 747 airplane family," said Alan Mulally, President and CEO, Boeing Commercial Airplanes. The Nippon Cargo family and employees of Cargolux are also very excited to be the first receivers of this new aircraft. "The 747-8 Freighter will be very important in allowing Nippon Cargo to take advantage of the high expected cargo market growth in Asia," said Takuro Uchiyama, president and CEO of Nippon Cargo Airlines. Ulrich Ogiermann, president and CEO of Cargolux Airlines, stated, "The Boeing 747-400 Freighter has been a cornerstone of our success, and I have high expectations that the 747-8 Freighter will build on that success and expand our capabilities worldwide."

The 747-8 will have a cruising speed of .85 Mach, a height of 63.5 ft, a wingspan of 224 ft 7 inches and a maximum takeoff weight of 960,000 pounds. It is expected to enter its final configuration in the fourth quarter of 2006, rollout in the third quarter of 2008, its first flight in the fourth quarter of 2008 and will finally begin service in September of 2009.



PHOTO COURTESY BOEING

BOEING'S NEW 747-8 IS seen here during wind tunnel tests on May 8, 2006 in Seattle. The model is a three percent scale of the 747-8 and has a wingspan of 1.8 meters and is 2.2 meters long. Boeing's newest aircraft is an answer to the Airbus A380.

Revamped TSA regulations to strengthen air cargo safety

Andy Kwok
Staff Reporter

New security regulations have just been implemented for air cargo by the Transportation Security Administration to protect the United States against possible threats from terrorists.

Originally planned to be enforced in Aug. 2005, the security additions were delayed due to a revision on the background check criteria.

The finalized rules include the creation of a centralized database which contains information about 4,000 existing cargo shippers. These companies are required to attend TSA designated security training sessions and devise a new security plan to be approved by the government.

A total of 51,000 air cargo shipper employees and another 50,000 freight-

forwarders must now have their backgrounds checked.

TSA also planned to increase their screening for air cargo being delivered to passenger aircraft, and additional bomb-sniffing dogs will be used to assist in the process. All packages delivered to the ticket counters will be screened. Random TSA inspections, targeting air cargo shippers, are to take place more frequently under the new guidelines.

Three hundred people have been newly hired to handle the implementation of the new regulations. "I wanted to be sure we covered the entire supply chain," TSA chief Kip Hawley told *The Associated Press*.

The Airforwards Association welcomed some of these new screening regulations which they developed with the TSA. "We will continue to support TSA's risk-based strategy to air cargo and will work closely to distribute

information to freight forwarders throughout the implementation process," the Airforwards Association told *The Aviation Daily*.

Aside from establishing new regulations for air cargo, TSA is taking action to improve their infrastructures at various airports. For instance, a new automated baggage screening system under the Hartsfield-Jackson Atlanta International Airport will begin functioning this summer as an effort to reduce lobby crowds and speeding up the screening process.

Despite the use of an electronic automatic screening system, suspicious luggage will still be inspected manually by TSA inspectors.

Dulles International Airport, which currently has a shortage of baggage screeners, will hire 150 student ambassadors over the summer assist passengers with the screening process.



PHOTO COURTESY TSA.GOV

Delta IV rocket launches the GOES-N satellite

Curtis Ewbank
Staff Reporter

On May 24, a Boeing Delta IV Medium+ sent the National Oceanic and Atmospheric Administration's GOES-N satellite into orbit. The Geostationary Operational Environmental Satellite is the thirteenth in the GOES series and represents a marked improvement over the other satellites in the GOES constellation.

The GOES constellation monitors Earth's atmosphere in visible and infrared wavelengths, measuring moisture content and tracking weather systems. GOES data provides valuable information to meteorologists and help improve the accuracy of forecasts. The GOES-N satellite carries instruments with improved resolution and greater downlink speeds, increasing the quality and quantity of data.

GOES-N reached its parking

slot, on the equator 22,300 miles up at 90 degrees west longitude, on May 31. There it began a 200 day testing period, and was redesignated GOES-13. Once testing is complete, it will be stored until it is needed to replace GOES-12 sometime after 2008. It joins four other GOES satellites on orbit. GOES-10 was recently retired and will be moved to serve Latin America once the status of GOES-13 has been confirmed. It will be replaced by GOES-11, an on-orbit

spare launched in 2000. GOES-9 currently covers the Pacific Rim and is used by Japan.

The launch was delayed over a year due to problems with the

Delta IV launch vehicle. Battery and computer problems delayed the launch from February to August, when two consecutive launch attempts were scrubbed.

The flight was delayed even further due to expired batteries and a strike by Boeing's machinists union. This was the fifth flight for the Delta IV.

One year of terminal shock for the Voyager 2

Andy Kwok
Staff Reporter

Voyager 2 entered the termination shock while traveling south of the planetary plane after Voyager 1 exited one year earlier.

The termination shock is a region where solar wind particles are slowed and condensed. Voyager 2 entered the termination shock earlier than expected and is estimated to pass through it within a year, despite it taking Voyager 1 almost two years to get through the termination shock. Afterwards,

Voyager 2 will be entering into the heliosheath, where accumulated solar wind shields the entire solar system against interstellar wind.

Currently, Voyager 2 is 76 AU away from Earth while Voyager 1 is 85 AU away. One astronomical unit (au) is the measured distance between the Sun and Earth, which is 93 million miles.

"This tells us that the shock down where Voyager 2 is must be closer the sun than where Voyager 1 is," Ed Stone, a Voyager project scientist, told *Space.com*.

This discovery shows that the heliosphere is not symmetrical, as

previously suspected. Scientists believe that a weaker interstellar magnetic field acting against the southern region might be the cause of this asymmetry.

Voyager 1 was launched in Sept. 5, 1977 and Voyager 2 was launched in Aug. 20 of the same year. Traveling at a rate of 3.6 AU and 3.3 AU per year, respectively, it would take them at least another decade before they reach the heliopause, the edge of the solar system, and enter interstellar space. The batteries aboard in both Voyagers will last until approximately 2020.

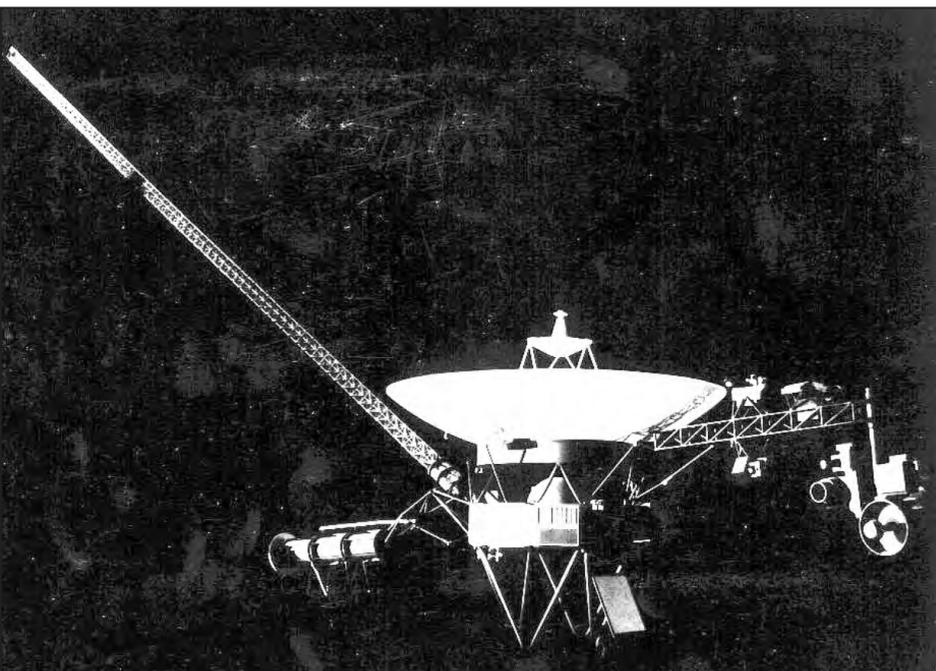


PHOTO COURTESY NASA.GOV

AN EARLY PHOTO OF the Voyager 2 space exploration craft before it departed on its fifty year journey to the edge of our solar system.



PHOTO COURTESY BOEING

A DELTA IV ROCKET lifts off at Cape Canaveral's Launch Complex 37B on May 24, carrying a GOES-N weather satellite as its payload. The GOES-N is the latest model of the National Oceanic and Atmospheric Administration's weather observation satellite.

Crew Exploration Vehicles, the next gen spacecraft

Brandon Boekelman
Copy Editor

Man has been racing for the stars for thousands of years. A large part of the race was accomplished by the Apollo program and the subsequent space shuttle program. But in order to continue this effort, there needs to be a new generation of spacecraft to replace the space shuttle when it is retired. The race for this new spacecraft is just now heating up.

This next spacecraft will be the Crew Exploration Vehicle (CEV). There are many questions of what this will look like and, perhaps most importantly, who is going to build it. There are two major players in the development of the CEV: Lockheed Martin and the team of Northrop Grumman and Boeing. Both of the teams will bring in an impressive team of subcontractors who have worked on past space vehicles. Lockheed Martin and Northrop Grumman/Boeing are close-lipped about their proposals, which have recently been submitted to NASA. NASA is also keeping the information of the process relatively secret. "We are currently evaluating proposals and plan to down-select and award the Phase 2 contract in the August/September time frame. All other information is competition-sensitive and will not be provided at this time," Michael Braukus, a NASA Headquarters spokesman, told *Space.com*.

"We're clearly in a competition. I don't feel it's the right time to be coming out with a lot of details about how we plan to tackle the job," Doug Young, Vice President and CEV program manager at Northrop Grumman told *Space.com*. He also went on to say that they are looking at all possible approaches they can take in order to come up with the most cost effective way. This team is saying that they want to keep the

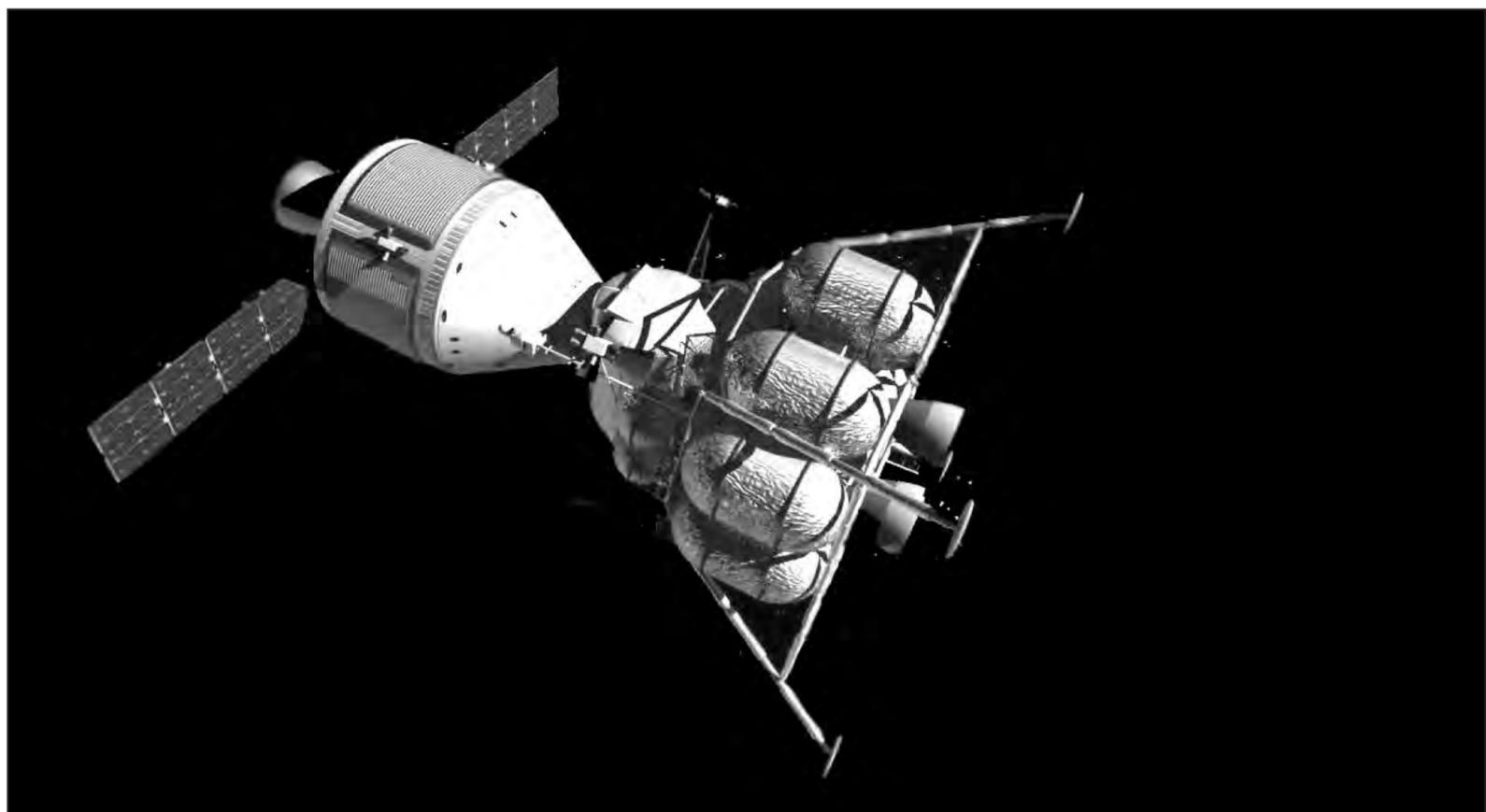


IMAGE COURTESY NASA.GOV

A COMPUTER GENERATED CONCEPT of a next generation Crew Exploration Vehicle (CEV) that's currently under development. Though the final designs of the CEV are being held tightly under wraps by both participating teams, they will incorporate a Modular Design to make upgrading components easier and lower costs.

design simple. They are going to be using a lot of existing technology to accomplish this feat.

Lockheed, on the other hand, is going for a vehicle full of the newest technology. Their plan will have the ability to quickly and painlessly upgrade the ship's sys-

tems. This team is ready to take the next step in the process, as well as watching costs. "It's a design goal for both the CEV and the Crew Launch Vehicle to look at how we can streamline the system to one that's affordable... so that we can afford to invest in the other ele-

ments of exploration... Our team is ready to go," Cleon Lacefield, vice president and program manager for the CEV at Lockheed Martin, told *Space.com*.

NASA will be looking over the details of the two teams' proposals to find the best one. They are

following a simple plan to do so. "The bidder who can best demonstrate an understanding of the issues involved here, and can convince NASA that their solutions to these issues are safe, reliable, cost-effective, and likely to impose the fewest schedule-busting 'unknown

unknowns,' would get high marks in the proposal review," Jerry Grey, director of science and technology policy for the American Institute of Aeronautics and Astronautics, told *Space.com*. Only time will tell what the CEV will look like and who will be building it.

Is the very basis of our religion today flawed?

Let me begin by asking everyone reading this article to be honest with yourself when I ask you this question. Has religion done more good or bad for the world? Now before you begin to list off every charity drive and fund raiser that your church has done, ask yourself how much of those very magnanimous efforts could have been done by any charitable organization with good intentions. Now that you realize most of the good things done in the name of religion can easily be done by any benevolent group of individuals, let me ask you if you know anything about the real history of religion and its purpose.

Now before you answer that question I want you to think about the nature of people. Have you ever been a part of the familiar psychological

exercise which asks one person at one end of a long line of people to pass along a message with clear and specific bits of information?

You usually start with something like, "A black car with a maroon interior made a left turn on Sunset Boulevard and parked for a few hours." This simple and clear piece of information will be passed from person to person, down a long line of people before reaching the last person, who will probably be told something more along the lines of "A black car turned onto Maroon Boulevard at sunset and then went to the park for a few hours."

Take that a bit further and imagine a long line of people, stretching thousands of miles for hundreds of years trying to pass along bits of information about an obscure event

which probably took place. Picture in your mind the brutal and powerful Roman Empire around the year 33 AD having just recently executed a young man who challenged the authorities and the system. Now imagine this regular guy as being very charismatic, always striving to inspire and convince others to follow his lead. Now keep in mind that this guy was born into a society and a religion which honestly believed that someday a Messiah would be born to rescue them all from the abysmal conditions they lived in under the Romans.

Now take that very specific information about what happened and pass it on to the first person in a line so long it stretches around the world hundreds of times and lasts for almost two thousand years. What do

you think the last person hears as the message and information is finally passed to them?

The last person in the line hears a story of a perfect woman who never committed a sin in her life, giving birth to a child that never cried, and managing to remain a virgin through the whole thing. This absolutely perfect child is actually the son of God!

And guess what, he walked on water, cured the blind, fed thousands of people with a few loaves of bread, turned water to wine and lets not forget this part...he actually came back after the Romans killed him! Yeah no kidding! In fact, this guy sees everything you do and if you don't accept him as your personal savior, good luck getting into that famed and never-proven-to-exist Heaven!

So if the story was in fact altered just a tad, its not like it paved the way for the establishment of a rigid and conformist doctrine of organized religion that persecuted people for not converting, jailed people for claiming the Earth wasn't the center of the universe and today forbids the use of condoms while sexually transmitted diseases devastate an entire continent.

You know what, let's ask some of the Amerindian people of the Caribbean what they think about that "guy in Judea two thousand years ago being executed so you better be nice and hand over your gold or you're not going to heaven." Come on let's ask them...oh that's right...they're all dead! Hmm I wonder what could have happened to them? I mean when the Spanish

brought "Christianity" to the new world to convert the savages it was supposed to make life so much better. After all they had such a smashing success back at home with the Inquisition!

Okay so life isn't perfect but at least we all know that religion is wonderful and great and the stories most of them are based on are 100 percent true and not in any way, shape or form a distortion and/or manipulation of the truth to establish power over the masses. So keep following your Commandments and saying your prayers. Oh and don't forget to pay up before you leave church, your indulgences are due today and those sixteen times you took the "Lord's" name in vain last week are gonna cost you.

~Levi Jordan

Wasting of tax dollars

I'm going to stop paying my taxes if my government doesn't at least pretend to be doing something useful. On May 18, in an atmosphere of frustration over the illegal immigration dilemma, the U.S. Senate passed two moronic amendments. First, by a vote of 63 to 34, an amendment was passed declaring English as the national language. We're really losing something here, and I believe it's our sanity. Laws

"... we start off in the red for about ten billion dollars.

- MIKE POTASH

either mandate that citizens do something or that they do not do something. There has to be a verb in there somewhere. An amendment declaring English to be our national language is like an amendment declaring that the sky is blue. English is our national language and, in case you aren't aware, it is also the international language. When a Japanese airliner flies into German airspace, what language do you think they speak? Then, by a vote of 58 to 39, an amendment was passed declaring English as the nation's common and unifying language. Again - Where's the verb? Remind me why we're paying these dolts. Of course, sometimes our laws

do contain verbs. Like the recent legislation that will place 6,000 National Guard troops along the United States/Mexican border. Let's apply a little math here. 6,000 troops taking eight hour shifts means that the 2,000 mile long border will be patrolled at any one time by 2,000 soldiers. While their numbers may double or triple, the net result will only make the border less porous, not air-tight. Each border patrol agent costs taxpayers \$170k to install. I don't have figures on the cost of deploying National Guard troops to the border, but I'm sure it's comparable. Then, there's the verb to build a triple layer fence along the border at a cost of \$3M per mile as well as vehicle barriers at a cost of \$1.3M per mile.

By my calculations, we start off in the red for about ten billion dollars. Then it escalates from there. Now I'm fully aware that illegal immigration does impose financial costs on the United States. Every year, we educate, medicate and incarcerate illegal immigrants, which also costs billions of dollars (without considering the great economic value that many of these

same immigrants bring to this country). Why is it better to spend our tax dollars to keep them out than to permit them in with some defined legal status? What is the motivating force behind this fit of insanity?

I can recall former presidential candidate Pat Buchanan declaring that white Americans should reproduce in greater numbers for fear that America will eventually be 'overly Hispanic.' That's really the issue, isn't it? Would there really be such uproar if we were being overrun by Canadians? (Actually, I think more than a few Americans think that Canada is a state.) At any rate, it has upset many in this country to contemplate an America with too many non-white residents speaking a language that they perceive to be a non-white language.

The people they've elected to Congress represent their xenophobic urges with articulately crafted legislation. The message is as ignorant and ugly as ever. President Bush, representing the party that wants flag burning to be a felony, declared that the National Anthem should be sung in English only. If such a desire is rooted in patriotism, how do you feel about this? People of every nationality, every ethnicity, and every culture, are all singing 'The Star Spangled Banner' in whatever language they prefer because they have all decided that this is their favorite place after all.

~Mike Potash

Bills destroying nature

There is a new bill on the Governor's desk which contains hazardous provisions for those citizens who live or who may live in the coastal high hazard areas of the state. It would allow more residents to move into these vulnerable coastal areas.

The bill, HB 1359, states evacuation times would determine whether developers could add more homes and condominiums along the coast. The measure allows developers that agree to build roads, construct hurricane shelters or contribute cash to offset their projects and construct them.

The legislation sets a 12-hour deadline for counties and cities to evacuate residents to shelters. The evacuation would apply to people who live in coastal high-hazard areas, which are susceptible to storm surge in relatively mild Category One storms. There must be shelter space "reasonably expected" to accommodate residents of any new coastal development. Counties also must be able to evacuate vulnerable residents out of the county within 16 hours. If a proposed development endangers those escape plans, the local government would have to either turn down the project or extract promises from the developer to mitigate the harm to be done.

This bill is more feel good language from the legislature which will put more people in harm's way. There are no timetables for construction of these shelters, and the developers only have to pay their share for road improvements which would leave

them underfunded and unfinished for years; this would result in evacuation times being increased.

Regarding other proposed legislation, for the first time in ten years, the legislature passed the Environmental Resource Permitting bill, HB 7163, which makes the Florida Panhandle subject to the same stormwater and wetlands permitting that the rest of the state uses. The provisions will be no weaker than any other Water

In a related measure, the legislature did not pass a bill delegating to the Department of Environmental Protection (DEP) the small scale wetlands permitting done currently by the Army Corps of Engineers. As lax as the Corps has been, DEP hasn't seen a permit it didn't grant and the more stringent federal role is welcome. Likewise, it is important so-called Incentive or Performance Based Permitting didn't move because this would both have weakened DEP's ability to enforce existing standards and also would have given relief to repeat violators.

The next bill veto candidate is HB 683 dealing with Developments of Regional Impact (DRI). DRI's in many categories have been unnecessarily eliminated. One of the most glaring is to exempt boat marinas, dry storage and wet slips from the DRI process, which is meant to identify environmental and regional impacts.

The Agricultural Enclave bill, HB 1015, takes away a local government's right to manage growth, eliminates

public participation at hearings, and encourages the conversion of farmland into urban industrial, commercial and residential developments.

Another bill deserving of a veto is HB749 which deals with septic tanks. By making it harder for local governments to run central sewer lines, the developers get off cheaper, and the environment takes the negative hit in the long run.

Energy Bill, SB 888, facilitates growth because it has become a streamline permitting bill for coal and nuclear energy, making it easier for them to be built and eliminating points and time along the way for the public to have their voices heard.

The potential benefits in the bill related to alternative energy and a tax free consumer week to buy energy efficient products are not nearly enough to offset all the other negative effects in the bill and it does little, if anything to move us to a clean energy future.

On a final note, the legislature did not pass the Anti-Petition Gathering bills; the Supreme Court Subject Filter Citizen Initiatives; and the Purifying the Constitution proposed amendment. The first of those amendments I trust happens will be the Florida Hometown Democracy amendment, currently undergoing Supreme Court review, which will allow the voters the final decision anytime a local government's comprehensive plan is proposed to be amended.

~John Hedrick

Eating off-campus

Food on campus in the summer can be hard to find. Only three locations are open. Of those, two close early and actually had their closing times moved back! Thus, dinner for the dorm-housed student means the Student Center or nothing. If the student cannot make it to the Student Center by 7 p.m., tough luck. The cooking facilities in Doolittle are extremely limited, meaning a student has to make a frightening decision - he has to eat off campus.

However, off-campus food can be just as tricky to find as on-campus food. Sure, the locations are numerous; one can hardly walk down International Speedway Boulevard without being able to hit a dining establishment with a randomly thrown brick. Sure, the food quality is often superior to cafeteria food. Sure, it is often cheaper than a meal plan. But those two benefits work dangerously together. By not using meal plans, one can pay for precisely the amount they want to eat. But quality becomes tricky.

One could spend those dollars at McDonald's, where the food quality is at or below that of on-campus food. If one seeks food of high quality, prices can easily skyrocket. Are you prepared to pay over fifty dollars for a meal? Most college students are not. So one must be careful when dining off campus.

But there is another, often overlooked component to the on or off campus dining equation. Is eating off-campus ethical? For most locations, the answer is yes. But some bring dangerous combinations that must be examined before considering eating. Think of Chik-fil-A and their chicken and egg breakfast burrito. In one bite, one can eat both parent and progeny. How can such a thing be allowed? The mere notion of consuming both mother and child in a single bite is outrageous. Therefore, I encourage those of you who are forced to seek food off campus this summer to think before you eat, and do the right thing.

~Curtis Ewbank

Stand Up!

Congress needs some cleaning

Well the summer is upon us and after a semester hiatus, I have decided to return to the column I have found people do actually read sometimes. For any first timers I created "Stand Up" to try to get lesser known political and government stories out in the open and try to better the understanding people have of their government, throwing in some quips in the process. This column encourages all who disagree or just share a different opinion to write in to *The Avion*, as is my main goal of bettering the public discourse.

The first topic I would like to hit is somewhat of an undercurrent to the tidal wave of controversy surrounding the NSA and its collecting of public phone data. Late last

month, MSNBC published a story about a memo from President Bush to NSA Director John Negroponte. In the memo, Bush gave authority to the NSA to use a little known



Chris Tezak

Columnist

power that every president since Jimmy Carter has been capable of using. This slightly scary authority is the ability to exempt publicly traded companies from disclosing accounting and securities obligations to the Securities and Exchange Commission.

Basically, this means a company such as Halliburton would be able to hide its dealings having to do with certain projects doled out by the government. Especially scary when, in February, the Army Corp of Engineers awarded Halliburton subsidiary Kellogg Brown and Root \$385 million to build immigration "detention centers." The

memo was actually written before the press broke the wire-tapping fiasco and could prove to be an equally disturbing problem, though it has gotten almost no coverage in the media.

My second topic for this week is the ongoing drama surrounding the FBI raid of Representative William Jefferson's (D-LA) office in Washington D.C. Jefferson was being investigated for charges of accepting bribes and the FBI issued a search warrant after months of pursuing the case. After the raid, there was bi-partisan outrage on Capitol Hill saying that the Department of Justice had overstepped their boundaries and invaded the checks and balances system, demanding the return of seized documents.

As the mud started to fly FBI director Robert Mueller and Attorney General Alberto Gonzalez threatened to resign if the docu-

ments were returned. In response, Speaker of the House Dennis Hastert threatened to cut FBI funding if they were not returned. Then, with the situation at boiling point, President Bush stepped in and ordered the records sealed for 45 days so the parties could work out the situation.

To me, the response from the Hill is absolutely unbelievable. It seems lawmakers in this country work under the belief they have immunity from normal laws. This raid signifies true checks and balances with the Department of Justice actually doing their job and policing the lawmakers for once. I hope this kind of activity continues when it is needed and maybe congressmen will stop threatening to cut funding of our policing organizations and actually do their jobs. Congress needs some cleaning; maybe some stiffer ethics regulations would do the job.

Student Forum

The Avion asks: "What's your favorite weekend road trip to get away from Daytona?"

—Compiled by Mijeong Yoon



Susie Crosbie
Sophomore
Human Factors



Christopher Regal
Freshman
Aeronautical Science



Keri Broderick
Senior
Aerospace Engineering



Alex Zeiners and
Nicholas Joseph
Seniors
Business



Brian Louderback
Senior
Aeronautical Science



Ryan Buchanan
Junior
Aviation Business

"I go to Jacksonville a lot. That's where I'm from ... and we hunt wolverines while eating tacos."

"Ocala National Forest just to get away from things. Just time to relax and hang out with friends and good time to spend with God."

"Tampa, to go to Busch Gardens and visit family."

"We have our own airline; we fly. We don't drive."

"West Palm Beach, was going down for work and went downtown and parties. A lot better than Daytona."

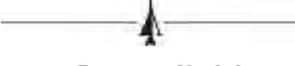
"To Jacksonville to see my girlfriend."

APARTMENTS / ROOMMATES

Roommate Needed
To share Misty Springs 2b/2b apartment. Rent split \$570 each (covers everything, including broadband Internet, cable TV w/ DVR, and electricity). No lease - month to month. Washer/dryer in unit. Upstairs end-unit. 3 minute drive to ERAU. Misty Springs, 1420 Bellevue Ave., Daytona Beach, FL 32114. Current 1st year MBA student @ ERAU. Working full time M-F, 8am-5pm + classes. Planning to graduate May 2008 at the earliest. Willing to sign lease if preferred (this would lower rent). Call James 650-533-1452.



Beautiful House For Rent
Grand Preserve of LPGA, 4 miles from Embry Riddle, great location. 4 bedroom, 2 full bath, dining room, living room, TV room, kitchen nook, walk in pantry room, laundry room, 2 car garage, closed in patio with lake view, community pool, beautiful neighborhood, a must see. \$1400 a month. Available June 1st. Call Sean 386-295-5686.



Roommate Needed
One room available late June to early July -- San Marco Apts: 2 bedroom, 2 bath, washer & dryer in apartment, cable and DSL internet. Rent will be \$300 plus half of the utilities (which is about \$100). No lease required.



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

APARTMENTS / ROOMMATES

Roommates Needed
Beautiful Pelican Bay townhouse. Looking for two roommates for three bedroom, 2 and 1/2 bath, two story townhouse. Living room, dining room, eat-in kitchen. Includes w/d, water, sewer, basic cable, & trash p/u. This is a wonderful gated community just 3 miles from campus, 10 min. to beach, and close to all shopping. \$75/mo/person, \$250 sec. dep/person, 12 mo lease, starting in Aug. Renters to split electric. Will need to supply own bd rm furnishings. Call Mike @ 302-478-1995 e-mail @ mjmascar@comcast.net.



Port Orange Home for Rent
3 bedroom - 2 bath. Stone fireplace, 2 car garage, tile floors throughout, screened lanai, washer & dryer, yard maintained by lawn service, sprinkler system. Great neighborhood, schools, shopping. Available June 1. \$1,350 per month. 813 Sugarhouse Dr. 386-689-6605, 386-427-0274, Paul Anthony Mgmt.



Efficiency Apt on Intracoastal
Large efficiency apartment, in historical home on Intracoastal, Rent \$450/month, includes utilities and cable. Call 386-453-1913.



Furnished Room for Rent
Perfect for students! Close to ERAU and airport! Summer terms only. FULLY furnished room available in a 4 bedroom house. Share house with one other student. Close to Publix and WalMart. Wireless Internet. Available May 1. SHORT TERM! May 1 - Sept 1 (neg). \$650/mo including utilities. 518-727-7444.

APARTMENTS / ROOMMATES

Room for Rent
Beautiful home Port Orange. 8 mi from ERAU approx 1.5 mi west of I-95 and Dunlawton Ave. Includes following: all utilities except phone, kitchen privileges, high speed wireless network, expanded cable including HBO, all linens and laundry supplies, furnishings including desk, etc. Walking and bike trails available, SERIOUS STUDENTS/STAFF ONLY. No smoking in home... outside OK. \$550 per month. Call Peggy at 386-760-8865 (home) or 386-212-2832 (cell).



Female Preferred to Share Single Home
Female student to share 3 bedroom 2 bath single home on Russett Lane with pool, fully loaded kitchen CA, W/D and more! Unfurnished \$400, furnished \$450 plus half utilities. Email herself4121@aol.com or call 484-213-1403.



Furnished Room for Rent
Furnished bedroom with king size bed located in an ERAU neighborhood at Townhouse North. Located on the corner of Clyde Morris and Big Tree Rd. Very clean and comfortable. Beautiful backyard and den. Six minutes from ERAU. For more info contact Mrs. Short at 767-2300



Roommate Needed
One room available in 2 bedroom 2 bath apartment in Indigo Plantation. Available starting end of June. \$390/month plus half electric. Washer and dryer in unit. Great location, quiet and only 5 minutes from ERAU. Call Josh (770) 713-2142.

APARTMENTS / ROOMMATES

Ormond Beach Furnished Home for Rent

Beautiful, immaculate, 3/2 home in prestigious Ormond Lakes subdivision, available last week of June or 1st of July for a 1 yr lease. Approx 20 min to ERAU campus. Lush, tropical setting backs up to common land, very quiet, safe neighborhood, wonderful for biking & walking. All new Ashley furnishings throughout, full size W/D, linens, cookware, turn-key ready for occupancy. 1 month deposit, lease & references required. Pool, tennis & clubhouse in complex. Absolutely no smoking or pets, 2 car garage w/ remote. \$1700 monthly includes water, Direct TV, and lawn mx. Pay own electric, phone, Internet. Perfect for professional couple or temporary faculty assignment for upcoming school year. Have photos available by email. Call 802-985-9497 or email cinbad58@aol.com.



Summer Rental
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HARD

The Riddle of Life

By Jonathan Mettin

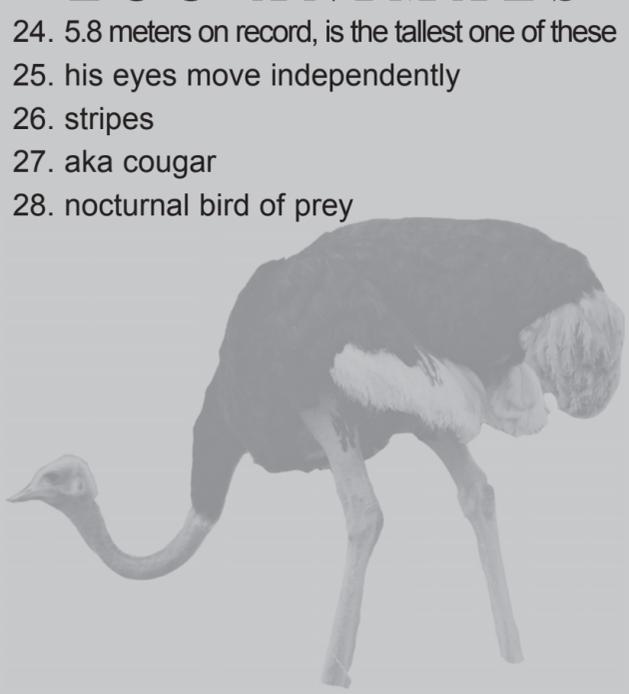
Superhuman ways to express mediocrity

Klyde Morris
Aviation's Only Ant!™
by Wes Oleszewski

ZOO ANIMALS



- Across**
- coat of sharp spines
 - largest land carnivore species
 - they can store lots of stuff in their trunk
 - hybrid between a lion and a panther?
 - freshwater reptile
 - water dwelling plant eater



- 5.8 meters on record, is the tallest one of these
- his eyes move independently
- stripes
- aka cougar
- nocturnal bird of prey



- largest memory of the deer family
- very large bird
- could be bald or gold

- big cat
- fast, real fast
- red and yellow, kill a fellow
- this snake eats other snakes

- Down**
- salt water reptile
 - prefers the birch, poplar and willow trees
 - closely related to the moth
 - slow and steady
 - males are dogs, and females are vixens
 - hides in his shell
 - largest members of the monkey family
 - brown, polar, sun
 - tux
 - they throw their poop in a festive manner
 - big spider
 - mistaken for a parrot
 - could pose a challenge for Mike Tyson
 - it's a thief
 - laughs

X-Men series makes "The Last Stand" count



PHOTO COURTESY TWENTIETH CENTURY FOX



Jonathan Mettin
News Editor

Well, when they said "The Last Stand," they meant it. The third installment of the X-Men series leaves almost no room for a follow-up. The trilogy definitely goes out with a bang, but it wasn't exactly the awesome fireworks display that fans were hoping for.

The basic plot of the movie revolves around a pharmaceuti-

cal company developing a "cure" for mutants. Hardcore fans will recognize Leech as the source of the substance. Predictably, this leads to Magneto and Professor X butting heads over how to deal with the issue.

Enter the Phoenix, Jean Grey's malevolent alter ego. After coming back from the dead, Jean Grey goes on a killing spree that tears a swath from Alkali Lake to suburbia USA. The movie revolves around the two plotlines, alternating between the doom of mutantkind and the fate of the good Dr. Grey as the X-Men try to save her.

While the movie is supposedly the final chapter of the franchise before it goes into spin-off mode, it left a lot of questions unanswered. For example, the movie introduces a love triangle between Kitty Pryde, Iceman and Rogue, but never really settles it.

Another thing that fans will find disappointing is that despite having a huge roster of characters available to them, they didn't utilize it very well. Angel, Colossus, Juggernaut and Callisto all get about five minutes of screen time. Nightcrawler is nowhere to be seen, and we don't even get to see the entire Sentinel body. And to top it all off, staple characters from the first movies, such as Rogue, Cyclops and Mystique are left hanging in a plot that seems to forget about them.

Fans of the comic will be quick to point out several plot inconsistencies, but these can be forgiven in the interest of time - after all, the comic has been around since 1963 and has about half a dozen alternate plotlines, some of which include alternate universes and time travel. So for a two-hour movie, "The Last Stand" does fairly well with plot.

On the plus side, the special effects in the movie are spectacular, and the battle scenes are amazing. The characters they do focus on, namely Storm and Wolverine, are developed fairly well, and we see sides of Professor X and Magneto that have never been exposed before, although those sides did seem a little forced.

Overall, "The Last Stand" is a good popcorn movie, but it falls far short of what fans of the first movies are expecting. While it was almost definitely the final battle between the X-Men and Magneto's Brotherhood, fans are also left with a lot of questions that were presented to us on a silver platter but never satisfactorily answered. The movie starts a lot of subplots and has to wrap them up hastily, leaving us with an unsatisfied taste in our mouths. Don't go to this movie expecting the subtle undertones of its predecessors: this is a straight-up action flick. A good one that raises some pressing ethical issues about genetic research, granted, but still just an action flick.

From the movies to your PC



Tommy Chen
Space Technology Editor

"X-Men III: The Official Game," is the movie tie-in game for recently released X-Men movie. The game is supposed to take place immediately after the second movie up until the start of the third. The player gets to



IMAGE COURTESY ACTIVISION

NIGHTCRAWLER SITS ATOP THE Brooklyn Bridge. Players can also take control of Iceman and Wolverine as they battle a variety of foes, including Multiple Man, Silver Samurai and Sentinels.

suit up as Wolverine, Iceman and Nightcrawler saving the world from the new mutant threat: the Sentinels.

Each mutant has their own gameplay mechanic so it's like getting three games in one. About half of the missions require the player to use Wolverine, whose missions consist of slaughtering dozens generic cronies. Getting to slaughter these guys isn't too bad but cheap deaths happen a little too often. The camera cannot be moved, so it can be really frustrating when it suddenly changes and the controls get screwy for a second. The scenery for his stages are really plain until you go to Japan, where you'll see more than three colors.

On the other hand, the Iceman and Nightcrawler missions help spice up the game a bit. Nightcrawler stages are probably the most entertaining to play of the three. Remember the beginning of "X-Men 2," where he teleported around in the White House taking out the guards? The player gets to do the same thing here. If his teleporting powers are used properly, Nightcrawler can basically be called the "walking" cheat code. Nightcrawler's scenery is more interesting than Wolverine's because he's

constantly moving to different locales to take care of business.

For Iceman, his missions are a bit more unique. You're given tasks like get from point A to point B in a certain amount of time or to freeze/blast specific targets. The good thing is that the enemies he's blasting consists mainly of Pyro's Raptors or Sentinels, unlike Nightcrawler and Wolverine with their cronies; his missions are a nice refresher.

After each mission, you're awarded a certain amount of mutation points depending on the difficulty chosen to augment your mutant's stats. Each character has five power specific upgrades matching their powers but the main beef is that all three have healing powers. When did Nightcrawler get the ability to go into stealth mode refill his stamina and Iceman have ice healing powers? Somebody's been getting their super heroes mixed up.

The game is average at best, but that's to be expected for a game that's based off of a movie. It's also rather short, four hours tops on the hardest difficulty level. "X-Men III: The Official Game" is very well suited to be a weekend rental.

Louder Now makes some chart noise



Melanie Pugh
Business Manager

The boys of Taking Back Sunday are back and better (and louder)

than ever; excuse the cliché. Following up on the successes of 2002's *Tell All Your Friends* and 2004's *Where You Want to Be*, Warner Brothers Records released *Louder Now* on April 25. Bands of similar stature and genre usually hit the sophomore (or junior) slump by now, but *Taking Back Sunday* is showing no signs of following suit.

Hailing from Amityville, N.Y., the band got off to a rocky start in 2001. After a few lineup changes and a brief Vans Warped Tour stint in 2003, they got their big break in 2004. Opening for industry veterans Blink-182, the band returned to the Warped Tour to headline one of the main stages in the same year. With their July 2004 release, they reached number two on the Billboard Top-200 chart and contributed to several soundtracks, including "Spiderman 2."

With the release of *Louder Now*, the boys joined WB Records, home to the likes of My Chemical

Romance and Linkin Park. WB says of the band, "From the high-octane drumming and blazing syncopated riffs that rain down on 'What's It Feel Like to Be a Ghost'-the opening track ... it's clear that the album's title couldn't be more fitting." Ten other tracks join "What's It Feel" and the album's first single, "MakeDamnSure," which hit number 48 on the Billboard Top-100 chart.

Each track on the album is accompanied by a signature sound - a mix of classic TBS style with an edgy uniqueness to every song. If a listener were to add the album to an iPod party shuffle, he would never guess the tracks belong to the same CD. "We love our first two albums, but we were always told that our live shows had more energy than our records," says guitarist-vocalist Fred Mascherino. "Our intention with *Louder Now* was to capture that energy. Keeping that in mind, the whole time we made

our record, we got some really intense results." Along with the band's new sound, frontman Adam Lazzara has really grown into his voice, allowing him to experiment artistically and the rest of the band to concentrate on the music itself. They're the dictionary definition of an emo band, but will never admit to the stereotype, though they have managed to get a little darker on their latest effort.

After playing about 'a bizillion' shows, Taking Back Sunday is back on the road this summer. They'll be reunited for a few stateside tour dates with Blink-182's Tom DeLonge and his new band Angels and Airwaves before heading overseas to Japan and the United Kingdom. The stateside dates will also feature Head Automatica and The Subways. They'll be rocking out in Pompano Beach July 12 and in Tampa on July 13.

A definite up-and-coming ... and-going-somewhere.

Duo's first release crosses genres



Don Macanlalay
Photography Editor

Michelle Branch is back, sort of. She is back with a new CD and a new band. Self-proclaimed The Wreckers, Michelle Branch and co. do not disappoint with their debut CD, *Stand Still, Look Pretty*.

After recording hit albums *The Spirit Room* and *Hotel Paper*, Michelle Branch formed the band with Jessica Harp, a friend whom she's been collaborating with since the start of her first album.

At first, I was disappointed that Michelle B. was releasing a collaboration album under a new band name. The album is a solid album with lyrical depth, and I don't even like country. The album marketing is sort of deceiving, it is rock-driven enough to draw some rock fans to listen, and folksy enough to draw some country listeners.

The duo of Michelle Branch and Jessica Harp work well and they harmonize through most of the CD (even though at times it's hard to tell the two apart). As an added bonus, the CD cover shows some pretty pictures of the two ladies.

A rare break-up song starts off the album that isn't too emo with its direction. Although the CD is heavily marketed as a pop-country CD, the songs definitely lean more towards the pop end of the spectrum and get a country sound from the instrumentation. However, *Stand Still, Look Pretty* isn't grass, banjos and cowboy hats, as the ladies get a little edgy on a few songs.

The album ends on a humorous note with "Crazy People," a song about how the ladies only seem to fall for well...crazy people.

If anything, Michelle Branch lovers should give this CD a listen, but you can't help but wish she came out with another solo album instead.

RECOMMENDED DISTRACTIONS

A few things that have our editors stoked

If the quick pace of summer classes is getting to you, kick back and relax on Wednesday nights because Comedy Central has put up a killer lineup. Starting at 10 p.m., **SOUTH PARK**, **MIND OF MENCIA**, **THE DAILY SHOW** and **THE COLBERT REPORT** have us in stitches with their biting humor and political satire.

If you like live shows but are living on a college budget, head over to CityWalk and check out **CLASSIC ALBUMS LIVE** covering the Beatles' *Sgt. Pepper's Lonely Hearts Club Band* in its entirety at the Hard Rock.

The concert is on the 17th at 8:30 p.m. and is pretty reasonable at \$38. The Orlando Philharmonic Orchestra will be backing them up.

After a five-year hiatus, **BILLY JOEL**



will release the live album *12 Gardens Live*, which represents his first vocal performance release since 2000's *2,000 Years: The Millennium Concert* (he put out a CD of classical compositions in 2001). We're a bit disappointed that we're not hearing some new stuff though - it's been 13 years since his last studio album, *River of Dreams*.

Okay, we've been seeing the trailers since, like, forever ago. On Friday we'll finally see if **CARS** can live up to its advertising budget. With the voice talents of Owen Wilson, Paul Newman and Richard Petty, Pixar's latest features a race car that gets diverted to a sleepy Route 66 town. Whether this animated version of NASCAR drama will be a hootenany or will make us want to get the shotgun out of the truck (guess what region of the country this film is aimed at) is yet to be seen, but it has potential.

Also opening soon is **NACHO LIBRE**, a story of a Mexican priest (Jack Black) who becomes a pro wrestler. Coming from the same director as "Napolean Dynamite," this has all the makings of another cult hit.



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